

GRAPHITE INDIA LIMITED

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

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

Date: 25.05.2024

Sub.:

Submission of Six Monthly Compliance Report for the period of October 2023

to March 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)

E-mail Id : qilro@qraphiteindia.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		comply with the rules and guidelines
	(MSHIC) Rules, 1989 as amended time to		under Manufactures, Storage and
	time. All transportation of Hazardous		Import of Hazardous Chemicals
	Chemicals shall be as per the Motor Vehicle		(MSHIC) Rules, 1989 as amended
	Act (MVA), 1989.		time to time. All transportation of
			Hazardous Chemicals shall be as
			per the Motor Vehicle Act (MVA),
			1989.
ii.	Air quality monitoring and preservation		
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,

SI.	Compliance conditions	:	Compliance status
	SPCB and CPCB online serves and calibrate		1986 is installed. Commissioning is
	these systems from time to time according to		in process. Photos Attached
	equipment supplier specification through labs		Annexure – 3.
	recognized under Environment (Protection)		
	Act, 1986 or NABL accredited laboratories.		
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		Commissioning is in process. The
	relevant to the main pollutants released (e.g.		project proponent has monitored
	PM ₁₀ and PM _{2.5} in reference to PM emission,		Ambient Air Quality from NABL
	and SO ₂ , and NO _x in reference to SO ₂ and NO _x		accredited lab. Reports are attached
	emission) within and outside the plant area at		as Annexure – 4 . Photos of
	least at four locations (one within and three		CAAQMS is attached as Annexure
	outside the plant area at an angel of 102°		-3 .
	each), covering upwind and downwind		
	directions. (case to case basis small plants:		
	Manual; Large plants: Continous).		
iv.	The project proponent shall submit monthly	:	The project proponent will submit
	summary report of continuous stack emission		monthly summary continuous report
	and air quality monitoring and results of		emission of 15 KTPA expansion
	manual monitoring of air quality/fugitive		processes stack and air quality
	emissions to Regional Office of Ministry of		monitoring and results of manual
	Environment, Forest & Climate Change / State		monitoring of air quality/fugitive
	Environment Impact Assessment Authority		emissions after Commissioning to
	/State Pollution Control Board / Zonal office of		Regional Office of Ministry of
	CPCB along with six-monthly monitoring		Environment, Forest & Climate
	report.		Change / State Environment Impact
			Assessment Authority /State
			Pollution Control Board / Zonal office

SI.	Compliance conditions	:	Compliance status
			of CPCB along with six-monthly
			monitoring report. Stack monitoring
			has been carried out. Reports are
			attached as Annexure – 4 .
v.	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	1	

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 in process. 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 will be
	water quality to Regional Office of Ministry of		submitted to Regional Office of
	Environment, Forests & Climate Change /		Ministry of Environment, Forests &
	State Environment Impact Assessment		Climate Change / State Environment
	Authority/Zonal office of CPCB/ State Pollution		Impact Assessment Authority/Zonal
	Control Board along with six-monthly		office of CPCB/ State Pollution
	monitoring report.		Control Board along with six-monthly
			monitoring report.
			j .

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.
٧.	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.		

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		3
	Personal Protection Equipment (PPE) as per		
	the norms of Factory Act.		
<u></u>	·		Provision was made for the
V.	Provision shall be made for the housing		
	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 submited 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)	<u> </u>	
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
			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.		
v.	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.
Χ.	Additional conditions		<u> </u>
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		<u> </u>

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

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	I. Compliance conditions	:	Compliance status
	MoEF&CC/SEIAA/WBPCB b	y furnishing the	
	requisite data / informatio	n / monitoring	
	reports,		
χV	vi. The above conditions shall be	e enforced, inter-	The condition will be followed.
	alia under the provisions	of the Water	
	(Prevention & Control of Poll	ution) Act, 1974,	
	the Air (Prevention & Control	of Pollution) Act,	
	1981, the Environment (Prote	ction) Act, 1986,	
	Hazardous and Other Waste	es (Management	
	and Transboundary Moveme	ent) Rules, 2016	
	and the Public Liability Insu	rance 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	ng to the subject	
	matter.		
X۷	vii. Any appeal against this EC	shall lie with the	The condition will be followed.
	National Green Tribunal, if pr	eferred, within a	
	period of 30 days as prescribe	ed under Section	
	16 ofthe National Green Trib	unal Act, 2010.	
1	l .		1

Annexure -1



NOC NO172047

WEST BENGAL POLLUTION CONTROL BOAR

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: 1Your letter No. N11 Dated 24.03.2023

ii) Environmental Clearance issued by SETAA, 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, Sacarbhanga, Lurgapur-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

Rectroulating 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. (i)
 - 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 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 (EIM CELL) Dated......Ghief.Engineer......

Yours faithfully,

-2N-08/2020(E)-Pt.-I dd. 31.09.2023 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./ 4.

Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni

Dist. Hooghly

Vill, Panpur

P.O. Narayanpur Dist. 24 Pgs. (N)

City Centre, Durgapur-16 Kalyani Expressway Dist. Burdwan

10. Camac Street 2nd Floor Kolkata-700 017

W. B. Pollution Control Board

Matigara, Siliguri

Dist.-Darjeeling

Sahid Khudiram Sarani

Paribahan Nagar

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	Individual acoustic enclosures stacks of height 9m above D room	

- 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.
- 24X7 continuous effluent monitoring system to be installed.
- 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 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)

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



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

n	T	Number		COL	111	J,	051	Г
consent	Letter	Number	:			7	V	

WPBD-Cont (408) 98 (Pt-VII)

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 refe 26 of the Water (Prevention and Control of Pollution) Act, 1974, as of Pollution) Act, 1981, as amended and Rules and Orders made	erred to as State Board) under the provisions of Section 25 & s amended and Section 21 of the Air (Prevention and Control thereunder, hereby grants its consent to:
MIS. Graphite India Limited	(Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at P.O. P.S Coke Oven, Dist Paschim	- Sagarbhanga, Durgapus,
for a period from Date of issue	(Detailed address of the manufacturing unit)
to operate the industrial unit and to discharge liquid effluent and to trial unit, in accordance with the conditions as mentioned in the instance the quantity and quality of liquid discharge and gaseous en the Table I & II of this consent letter and in the Environmental (P	Annexure to this consent letter provided on any day at any mission shall not exceed the permissible limit as specified in
Breach of the conditions and / or failure to comply with	the directions as set out in the Annexure shall render the

applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

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

For and on behalf of the State Board

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

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ANNEXURE

Consent to MS. Graphite India Limited.
for its unit at P.O Sagarbhanga, Durgapur, P.S Coke Oven, Dist - Paschian
Bardhaman, Pin-713211

Conditions:

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Finished Gnaphite Electrode	15000 Ton lyear
02	400000000000000000000000000000000000000	
03		
04		
05	WESTBE	NGAL
06	And the second s	
07		
08		
09		
10	Version of the second	
11		
12		The state of the s

02.	The Applicant	shall remain responsible	for quantity and quality	y of liquid effluent and air emissions.	

- 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.)

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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	рН	Between: 5.5 to 9.0	Half Yearly
	Q_	Total Suspended Solids	Not to exceed: 100 mg/1.	1
	Industrial	Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.	
	and best in a	Chemical Oxygen Demand	Not to exceed: 250 mg/1.	
		Oil & Grease	Not to exceed: 10 mg/1.	
		Treated eppluent shall be	e recycled.	
		Address of the second		
		CHARLES BURNESS CO. C.		
		THE PER		
		WESTBER	I(-A)	
		44501 001		
		STATE OF THE PARTY	NAMES OF THE PARTY	
			THE RESIDENCE OF THE PARTY OF T	
		Maria Harris		
		TENNE TRANSPORT TO SEE		
			THE REPORT OF THE PERSON OF TH	

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

 - Domestic purpose → 1'3 KL

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

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

Environmental Engineer
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Consent to MIS. 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	Stack attached to (sources and control system.	Volume Nm³/hr.	Velocity of gas emission m/sec	Concent	eed Frequency of emission sampling	
	G.I., (in mts.)	if any):	WES		SPM (mg/Nm³)	(%v/v)	
S-I	15	Finishing a	WANTED PLANT	PARKET HOSE	30		Half-Year
S-2	15	Finishinge Bag Filter	THE RESERVE	and the same	30		-Do-
S-3	45	Baking Pur: with ESP	nace RHS	-4(m)	30	7	-Do-
S-4	24.3	Stock clear with Bag F		hine	30		-Do -
S-5	22:4	Jaw Crush		ne with	30	5	-Do -
S-6	15	SOOKVAJ.	G. Set	1	120	-	Yearsly.
S-7	12	5,00 KVA L	. G. Set	_	150	_	-00-
S-8	15	SOOKVAI	o.G. Set	_	150	-	-00-
S-9							
S-10							-

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

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Consent to Mls. Graphite India Limited

for its unit at P.O. - Sagarbhanga, Dungapur, P.S. Coke Oven, Dist. Paschim Dandhaman, 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		D.G. Setz.
02			
03			
04			
05			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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
Fines, Mipple Ser	pap I coke 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 (29 p.m. to 06 a.m.)	55

- 18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
- 19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.
- 20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
- 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. Graphite India Limited for its unit at PO- Sagarbhanga, Durgapus, AS-Coke Over, Dist-Paschim Bardhaman, Pin-713211

- 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.
- 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 Rules, 2010 and Execution Control of the English of the English



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	рН	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.
- The industry shall install comprehensive pollution control equipment and operate and maintain the same to conform to the standard as given below:

Stack	Stack	Capa city of emiss ion sourc e	Fuel o	letails		Conc	entrati	ons of	param	eters n	ot to e	xceed		Cons	Rem arks
from grou nd level (m	attac hed to emiss ion sourc es		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	

4.5	DITUI	1.00	CD3.4	G 11	ECD	1.50	1				TT 10	,, l	
45	RH#1 (24- sectio n,	160	CBM	Cubic Meter s/Hou r	ESP	150	1				Half- yearly	Metri c Tonne	
	80MT /charg e) & RH (16- sectio			-									
	n, 80MT /charg e)												
30	HGG- 4nos. (2 lac- kcal/h r each)	80000	СВМ	Cubic Meter s/Hou r	Water scrub ber	150	1				Half- yearly	KCA L/HO UR	
29.29	Boiler (1.5T on & 2Ton) [Extru sion#	3.5	СВМ	86 Cubic Meter s/Hou r		100	1				Half- yearly	Metri c Tonne s/Hou r	
14.1	DG set (500K VA) [of RH#1 (24- sectio ns)& RH- 16 sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour	((s.	150 /EST	¥	NGA			Yearl y	KVA	
13.91		630	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				Yearl y	KVA	
13.2	DG set (500K VA) [For RH#2 (24- sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour		150	1				Yearl y	KVA	

	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	pg 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	150 ES1	1 BE	NGA	L		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	5	150 /EST	1 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		7			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	

15	Finish ing Unit# 3 (Sout h Side) Nippl e Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
22	RH#3 24- sectio n Jaw Crush er Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	30					Half- yearly	Metri c Tonne s/Day	
22	RH#2 24- Sectio n Jaw Crush er Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day		150					Half- yearly	Metri c Tonne s/Day	
15	Extrus ion #2 IRIC H (Trem a) Scrub ber Syste m	0	NA	Metri c Tonne s/Day	Water scrub ber	150 /ES1	BE	NGA			Half- yearly	Metri c Tonne s/Day	
30	Coole r North (Extru sion# 1)	0	NA	Metri c Tonne s/Day		150					Half- yearly	Metri c Tonne s/Day	
30	Fume Extrac tor (West side, weigh floor) [Extru sion# 1]	0	NA	Metri c Tonne s/Day	Bagfil ter	150						Metri c Tonne s/Day	
34	Extrus ion#2 main dust collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	

16	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	
15	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	
34	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	
15	Core Sampl ing Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
22	Main Dust Collec tor (Extru sion#	0	NA	Metri c Tonne s/Day	Bagfil ter	150 /EST	BE	NGA	١ (االـ		Half- yearly	Metri c Tonne s/Day	
15	Finish ing Dust Collec tor (Unit# 3)	0	NA	Metri c Tonne s/Day	Bagfil ter	7					Half- yearly	Metri c Tonne s/Day	
15	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	
15	Extrus ion#2 Silo Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	

											-			
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	Ť L	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	СВМ	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	
	[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	

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 ne Dust	0	NA	Metri c Tonne s/Day	Bagfil ter	150				Half- yearly	Metri c Tonne s/Day	
	Collec tor											
30	Mixtu re Fume Extrac tor (Sout h) (Extru sion# 1)	0	NA	Metri c Tonne s/Day	/((s	150				Half- yearly	Metri c Tonne s/Day	
30	TFH-2 nos.(4 lac-kcal/h r each) [Extru sion#2]	80000	CBM	80 Cubic Meter s/Hou r		150	1			Half- yearly	KCA L/HO UR	
35.8	Pre- Heate r (4.8 lac- kcal/h r each) [PI#4]	19200	СВМ	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.

// /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.
- 4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- 8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
- 13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 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@graphiteindia.com*

To,

Maste Management Cell
West Bengal Pollution Control Board,
Paribesh Bhavan,
10A, L.A. Block, Sector - III
Salt Lake City,
Calcutta - 700 091.



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,

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
Traste	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	Proposed	Total	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 methods
Description		Category	Existing	Proposed	Total	_ Disposar methods
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/ CPCB guidelines
Empty/ discarded drums/ containers/	МТРА	33.1	0.211	HITE INDIA L	tr 2	

Senior Vice Frasion

182

a dit

M/s Graphite India	Ltd.,					EIA Report
barrel						
Discarded asbestos	МТРА	15.2	3.88	3.006	6.886	
Oily cotton waste	МТРА	5.2	11.739	9.094	20.833	
Metwrap	MTPA	***	2.68	2.076	4.756	
Thermocole	MTPA	an-10	0.1	0.077	0.177	
ETP sludge	MTPA	36.5	0.74	4.26	5	

(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

Authorized Signator

Socior Vice President

183

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^{*}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

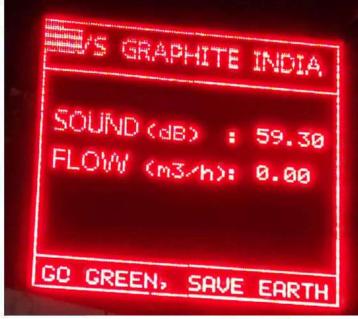
AMBIENT AIR QUALITY MONITORING STATION



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

AMBIENT NOISE LEVEL MONITORING SYSTEM





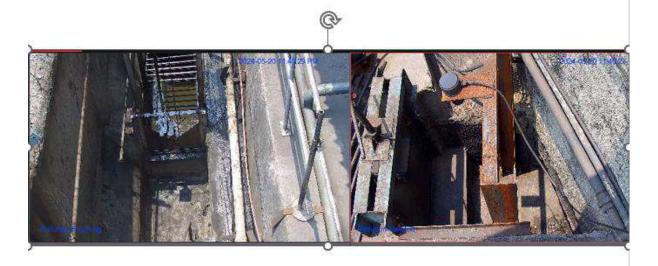
For EC compliance Ambient Noise level Monitoring Station Installed – Commissioning is in process

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-4







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	td.			Туре	f Inc	lustry		:	Graphite U	nit	
Address	:	P.O Sagarbhar	ıga, Durgap	ur, l	Pin – 713211	Sampl	ng E	ate		:	05.02.2024	ŀ	
						Period of Analysis					15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure						d							
Sample Condition	••	Sealed Sampl	Report No. : El			EN	IV/	32/Feb./TR(A)/	I/23-24			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Mixture Fume Extractor (North) (Stack - 1) (E	xtrusion 1 Dept.)				
Shape of Stack	:	Circular	:	30	.0		
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.7	2	
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Due to Process Activity While Mixing					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes	
Working Fuel Consumption	:	N.A.	Section of the last				
Pollution Control Device	:	Nil					

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)		38.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.69	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	16340.82	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.15	150.0
	Matter	1	3685M-98 (reapproved 2005) : Sec. 11			
		100	(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 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 Ph. 033 25792889

E-mail : 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/38

Name of the	:	Graphite India I	Graphite India Ltd.							:	Graphite Unit		
Industry											A.		
Address	:	P.O Sagarbhai	ıga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	05.02.2024	ŀ	
						Period of Analysis				:	15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024	Ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	тре о	of Sample	:	Stack Emission
Procedure									28	4			
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/II	Report	No.	: 1	EN	VV/	32/Feb./TR(II/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Mixture Fume Extractor (South) (Stack - 2) (I	Extrusion 1 Dept.)			
Shape of Stack	:	Circular	:	30.	0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.7	10
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	16.	0
Emission Due to	:	Due to Process Activity While Mixing				2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	41.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	11.15	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	15001.85	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	23.89	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 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

E-mail : 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/38

Name of the Industry	:	Graphite India L	ıtd.			Type o	of Inc	lustry		:	Graphite U	nit	
Address	:	P.O Sagarbhar	P.O. – Sagarbhanga, Durgapur, Pin – 713211								05.02.2024		
				Period of Analysis							15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure					A 1-				A				
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/III	Repor	t No.	:	El	ENV/32/Feb./TR(A)/III/23-24			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Cooler (North) (Extrusion - 1 Dept.) (Stack - 3)					
Shape of Stack	:	Circular	:	30	.0		
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.5	550	
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Due to Process Activity				2	
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	•	-	Yes	
Working Fuel Consumption	:	N.A.	Frank Alle		1,3		
Pollution Control Device	:	Nil					

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	ģ:	64.0	N.A.
2.	Barometric Pressure	mm of Hg.			756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	14.91	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	11210.96	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	14.79	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

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	Graphite India Ltd.								Graphite Unit		
Industry											-		
Address	:	P.O Sagarbhai	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	05.02.2024	ŀ	
						Period of Analysis				:	15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									10				
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/32/Feb./A/IV	Report	No.	:	EN	ENV/32/Feb./TR(A)/IV/23-24			IV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Fume Extractor (West Side) Weight	me Extractor (West Side) Weight Floor (Extrusion # 1 Dept.) (Stack - 5)									
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.)	:	0.3	352						
Capacity	:		Height of sampling port : (mtr.) (from G.L.)									
Emission Due to	:	Due to Process Activity	(2000年) · 1000年(1000年)									
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes						
Working Fuel Consumption	:	N.A.	The second second		1,7							
Pollution Control Device	:	Bag Filter										

B. RESULTS

PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
Flue Gas Temperature	оС	IS : 11255 (Part 1)	<u>.</u> :	39.0	N.A.
Barometric Pressure	mm of Hg.		۴.	756.0	N.A.
Velocity of Gas flow	m/s	IS: 11255 (Part 3)	1:	11.12	N.A.
Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	- :	3555.61	N.A.
Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	13.62	150.0
Matter		3685M-98 (reapproved 2005) : Sec. 11			
		(Vol.11.07) : 2017			
	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate OC mm of Hg. m/s Nm³/hr. mg/Nm³	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Nm³/hr. Concentration of Particulate Matter OC IS: 11255 (Part 1) IS: 11255 (Part 3) IS: 11255 (Part 3) IS: 11255 (Part III) IS 11255 (Part - 1): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : Barometric Pressure mm of Hg. : Velocity of Gas flow m/s IS: 11255 (Part 3) : Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : Matter 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : 39.0 Barometric Pressure mm of Hg. : 756.0 Velocity of Gas flow m/s IS: 11255 (Part 3) : 11.12 Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : 3555.61 Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : 13.62 Matter 3685M-98 (reapproved 2005): Sec. 11

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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite Inc	Type of Industry				:	Graphite Unit						
Address	:	P.O Sagarl	Pin - 713211	Sampling Date				:	05.02.2024					
				Period of Analysis								15.02.2024 - 16.02.2024		
							Date of	Issu	ıe		٠.	17.02.2024		
Sampling Plan &	:	ENV/SOP/0	1 D	Deviation	froi	m the Sampling Method and I	Plan	:	No	Ту	pe (of Sample	:	Stack Emission
Procedure														
Sample Condition	:	Sealed Sa	mple I	ID No.	:	ENV/32/Feb./A/V	Report	No.	:	EN	1V/	32/Feb./TR(A)/	V/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		AUTOMORPH TO A SERVICE OF THE PARTY OF THE P							
Stack Attached to	:	Raymond Mill Dust Collector (Extrusion	1 Dept.) (Stack – 6)						
Shape of Stack	:	Square	Height of Stack (mtr.) (from G. L.)	:	: 16.0				
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.3	x 0.3			
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	7.0				
Emission Due to	:	Due to Process Activity							
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	1	:	Yes			
Working Fuel Consumption	:	N.A.			1,7				
Pollution Control Device	:	Bag Filter							

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	<u>.</u> :	36.0	N.A.
2.	Barometric Pressure	mm of Hg.		F.	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	1:	9.76	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	= :	3032.13	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	15.28	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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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Type of Industry				:	Graphite Unit					
Address	:	P.O Sagarbhar	ıga, Durgaj	our, l	Pin - 713211	Sampling Date				:	05.02.2024		
										:	15.02.2024 - 16.02.2024		
		_				Date of Issue					17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									28				
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/VI	Repor	No.		EN	ENV/32/Feb./TR(A)/VI/23-24			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Scrap System Dust Collector (Extrusio	n No.1 Dept.) (Stack No.7)					
Shape of Stack	:	Height of Stack (mtr.) (from G. L.)	:	15.	0			
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.6	0		
Capacity	:		Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Process Activity				2		
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder		-	Yes		
Working Fuel Consumption	:	Nil						
Pollution Control Device	:	Bag Filter						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	<u>į</u> :	41.0	N.A.
2.	Barometric Pressure	mm of Hg.			756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	1	18.59	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	17863.05	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.46	150.0
	Matter	70.0	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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FORMAT NO: ENV/FM/38

	1					_						-	
Name of the	:	Graphite India I	Type of Industry				:	Graphite Unit					
Industry											-		
Address	:	P.O Sagarbhai	nga, Durga	our,	Pin - 713211	Sampli	ng D	ate		:	05.02.2024	ļ	
			Period of Analysis					:	15.02.2024 - 16.02.2024				
		_				Date of	of Issue				17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									di	H			
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/VII	Report	No.	:	EN	1V/3	32/Feb./TR(A)/	VII/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Main Dust Collector (Extrusion No.1 D	ept.) (Stack No.8)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	22	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.7	70
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	15	.0
Emission Due to	:	Process Activity				2
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder	r	-	Yes
Working Fuel Consumption	:	Nil			1,91	
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	<u>.</u> :	35.0	N.A.
2.	Barometric Pressure	mm of Hg.			756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	1	16.06	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	21495.01	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	53.50	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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite Inc	Type of Industry					Graphite Unit							
Address	:	P.O Sagar	bhang	ga, Durgap	ur,	Pin - 713211	Sampli	ng D	ate		:	07.02.2024	:		
									Period of Analysis				15.02.2024 - 16.02.2024		
							Date of	Issu	ıe			17.02.2024			
Sampling Plan & Procedure	:	ENV/SOP/0)1	Deviation	fro	m the Sampling Method and I	Plan		No	Ту	Type of Sample		:	Stack Emission	
Sample Condition	:	Sealed Sa	ample	ID No.	:	ENV/32/Feb./A/XX	Report	No.	:	EN	IV/	32/Feb./TR(A)/	XX/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Reid Hammer Furnace (Baking Furnace) (Stack	(No.12) (14 Section)				
Shape of Stack	f Stack : Circular Height of Stack (mtr.) (fro G. L.)						
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8	0	
Capacity	:	- A	Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Combustion of CBM and Baking of Electrodes				2	
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. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
-						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		65.0	N.A.
2.	Barometric Pressure	mm of Hg.			755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.83	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	21899.52	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	20.78	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	12.43	N.A.
		- A	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	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			
		a de la companya della companya della companya de la companya della companya dell	(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







FORMAT NO: ENV/FM/38

	_	1				Type o				_			
Name of the	:	Graphite India I	Graphite India Ltd.							:	Graphite Unit		
Industry		-											
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampli	ng [ate		:	10.02.2024	ļ	
			Period of Analysis					S	•	15.02.2024 - 16.02.2024			
		-				Date of Issue				:	17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									28				
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXXV	Report	No.	:	EN	IV/3	32/Feb./TR(A)/:	XXXXV/23-24

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	:	45	.0		
Materials of Construction	M.S.	Stack I.D. at sampling point : 1.8 (mtr.)					
Capacity	:	- A	Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Combustion of CBM and Baking of Electrodes				22	
Fuel Used	:	C.B.M	Permanent Platform & Ladder	r	-:	Yes	
Working Fuel Consumption	:	170 m ³ /hr.			1,5		
Pollution Control Device	:	E.S.P					

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	<u>.</u>	70.0	N.A.
2.	Barometric Pressure	mm of Hg.		ř.	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	11.56	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	91733.34	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	-:	15.55	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	11.92	N.A.
		- A	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	15.78	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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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	td.			Type of	fInc	lustry		:	Graphite U	nit		
muusti y											100			
Address	:	P.O. – Sagarbhai	nga, Durgap	our,	Pin – 713211	Sampli	ng [ate		:	07.02.2024			
						Period of Analysis					15.02.2024 - 16.02.2024			
						Date of	Issi	ue		:	17.02.2024	4		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure					71.0				AR	3				
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XV	Report	No.	: 0	ENV/32/Feb./TR(A)/XV/23-24			XV/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P. I Unit - 2 (Thermo Pack Stack) (Stack	ck No.16)			
Shape of Stack	:	Circular	:	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				a
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.	2.3	The same of the sa				
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	65.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second state of the se	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	8.57	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	3392.91	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	17.38	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	9.94	N.A.
		1	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.6	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	16.64	150.0
	Matter	G,	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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I		Type o	f Ind	lustry		:	Graphite Unit				
Industry											-8-		
Address	:	P.O Sagarbhai	nga, Durgaj	our,	Pin - 713211	Sampli	ng D	ate		:	07.02.2024	ļ	
				Period of Analysis					S		15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	<i>т</i> ре (of Sample	:	Stack Emission
Procedure									18				
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/32/Feb./A/XVI	Report	No.	: 6	ENV/32/Feb./TR(A)/XVI/23-24				XVI/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P. I Unit - 2 (HGG Stack) (Stack No.17)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.40	
Capacity	:		Height of sampling port (mtr.) (from G.L.)			
Emission Due to	:	Combustion of CBM			2	
Fuel Used	:	C.B.M	Permanent Platform & Ladde	r	: 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.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	67.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	12.17	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	4792.69	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	16.16	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	12.42	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.2	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	21.45	150.0
	Matter	J.,	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:**

Barl

Dr. AJOY PAUL Quality Manager

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

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I		Type o	f Inc	lustry		:	Graphite Unit				
Industry											A.		
Address	:	P.O Sagarbha	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate			10.02.2024	ŀ	
						Period of Analysis				:	15.02.2024 - 16.02.2024		
						Date of	Issi	ıe			17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									di.	3			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXX	Report	No.	:.8	ENV/32/Feb./TR(A)/XXXX/23-24			XXXX/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Dust Collector (Unit - 2) (Stack No.20))			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9)
Capacity	:		Height of sampling port (mtr.) (from G.L.)	×	11	.0
Emission Due to	:	Process Activity				2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	1	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	31.0	N.A.
2.	Barometric Pressure	mm of Hg.	The state of the s	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	15.54	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	34610.71	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	49.06	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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E-mail : 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/38

Name of the Industry	:	Graphite India L	ıtd.			Туре	of Inc	lustry		:	Graphite U	nit	
Address	:	P.O Sagarbhar	ıga, Durgaj	our, l	Pin – 713211	Sampling Date				:	12.02.2024		
			Period of Analysis : 15.02.2024								24 - 16.02.2024		
						Date o	f Iss	ıe	: 17.02.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission
Procedure					A 11				A A				
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/X	Repor	t No.	: 3	ENV/32/Feb./TR(A)/X/23-24				X/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Fine Screening Dust Collector (Stack No.21)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.5	6	
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Process Activity				2	
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	:	Yes	
Working Fuel Consumption	:	N.A.	A COLUMN TO SERVICE STATE OF THE PERSON SERVICE STATE SERVICE STATE STATE SERVICE STATE STATE SERVICE STATE SERVICE STATE SERVICE STATE SERVIC				
Pollution Control Device	:	Bag Filter					

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.	Flue Gas Temperature	оС	IS : 11255 (Part 1)		34.0	N.A.
2.	Barometric Pressure	mm of Hg.			755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.96	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	11929.91	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	42.08	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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.			Type of Industry					Graphite Unit		
Industry											100		
Address	:	P.O Sagarbha	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	06.02.2024		
						Period of Analysis					: 15.02.2024 – 16.02.2024		
						Date of	Issi	ıe			17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure					A .				d	4			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XIV	Report	No.	:	ENV/32/Feb./TR(A)/XIV/23-24				XIV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Boiler (No.1 & 2) (Stack No.22) (common stack)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	29.	29	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.2	8	
Capacity	:	No.1 – 1.5 Ton & No.2 – 2 Ton	1.5 Ton & No.2 – 2 Ton Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Combustion of CBM	Maria Ma				
Fuel Used	:	C.B.M	Permanent Platform & Ladder	•	:	Yes	
Working Fuel Consumption	:	65 m ³ /hr.	September 198		N.		
Pollution Control Device	:	Nil Sales and the sales and the sales are sa					

B. RESULTS

		No. of Concession, Name of Street, or other Designation, Name of Street, Name				
SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.		I A				
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	<u>:</u>	135.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	3:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		7.30	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	1174.03	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	23.24	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	10.93	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.0	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.67	800.0
	Matter	<i>5.</i>	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..

During monitoring 1.5 Ton capacity Boiler was running.

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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: UAE = Qatar = Netherlands Overseas







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India Ltd.						f Ind	ustry			Graphite Unit			
Address	:	P.O. – Saga	arbhar	ıga, Durgap	ur,	Pin - 713211	Sampling Date					12.02.2024			
						Period of Analysis				:	15.02.2024 - 16.02.2024				
							Date of	Issu	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/	/01	Deviation	fro	m the Sampling Method and I	Plan		No	Ту	pe o	of Sample		Stack Emission	
Procedure						- N -					4				
Sample Condition	:	Sealed S	Sampl	e ID No.		ENV/32/Feb./A/XXXXVII	Report	No.		EN	ENV/32/Feb./TR(A)/XXXXVII/23-24				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tunnel Kiln -1 (Re-Baking Furnace) (Stack No.23)						
Shape of Stack	:	Circular	Circular Height of Stack (mtr.) (from G. L.)						
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.7	3			
Capacity	:	an disc	Height of sampling port (mtr.) (from G.L.)						
Emission Due to	:	Combustion of CBM							
Fuel Used	:	C.B.M	Permanent Platform & Ladden	r	:	Yes			
Working Fuel Consumption	:	85 m ³ /hr.	The second second		N.				
Pollution Control Device	:	Incinerator	The Court of the C						

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	191.0	N.A.
2.	Barometric Pressure	mm of Hg.	The state of the s	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		7.77	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	7469.28	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	22.27	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	15.90	N.A.
		The 1	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.8	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.81	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:**

Maril

Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	Ltd.			Type of Industry					Graphite Unit		
Industry											100		
Address	:	P.O Sagarbha	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	10.02.2024	ŀ	
						Period of Analysis				:	15.02.2024 - 16.02.2024		
						Date of	Issi	ıe			17.02.2024	ŀ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									d	4			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXIX	Report	No.	:	ENV/32/Feb./TR(A)/XXXIX/23-24				XXXIX/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Dust Collector Unit – 3 (Stack No.24)	THE STATE OF THE S			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	13.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.7	8
Capacity	:	- Alle	Height of sampling port (mtr.) (from G.L.)	:	9.0	
Emission Due to	:	Process Activity	Secretary Secretary			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	•	:	Yes
Working Fuel Consumption	:		Company of the last		13	
Pollution Control Device	:	Bag Filter				

B. RESULTS

PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
Flue Gas Temperature	оС	IS: 11255 (Part 1)		35.0	N.A.
Barometric Pressure	mm of Hg.		. :	755.0	N.A.
Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.24	N.A.
Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	13610.36	N.A.
Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	87.48	150.0
Matter	1	3685M-98 (reapproved 2005) : Sec. 11			
	100	(Vol.11.07): 2017			
	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate OC mm of Hg. m/s Nm³/hr. mg/Nm³	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Nm³/hr. Concentration of Particulate Matter OC IS: 11255 (Part 1) IS: 11255 (Part 3) IS: 11255 (Part 3) IS: 11255 (Part III) IS: 11255 (Part - 1): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : Barometric Pressure mm of Hg. : Velocity of Gas flow m/s IS: 11255 (Part 3) : Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : Matter 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : 35.0 Barometric Pressure mm of Hg. : 755.0 Velocity of Gas flow m/s IS: 11255 (Part 3) : 8.24 Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : 13610.36 Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : 87.48 Matter 3685M-98 (reapproved 2005): Sec. 11

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

H.O.

Authorised Signatory:

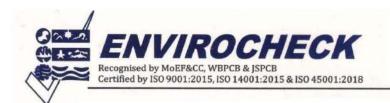
Dr. AJOY PAUL Quality Manager

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.			Type of Industry					Graphite Unit		
Industry											100		
Address	:	P.O Sagarbha	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	10.02.2024		
						Period of Analysis				:	15.02.2024 - 16.02.2024		
						Date of	Date of Issue				17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure					70.0				A	3			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XVIII	Report	No.	:	ENV/32/Feb./TR(A)/XVIII/23-24				XVIII/23-24

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.)					
Emission Due to	:	Combustion of CBM	MANAGEMENT OF STREET					
Fuel Used	:	CBM	Permanent Platform & Ladder	•	:	Yes		
Working Fuel Consumption	:	60 m ³ /hr.	Page 1		131			
Pollution Control Device	:	Water Spray and Cooling Chamber						

B. RESULTS

SL.	PARAMETERS	PARAMETERS UNIT METHOD NO			RESULTS	LIMIT
NO.	8.3	The second of the				
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)		48.0	N.A.
2.	Barometric Pressure	mm of Hg.	The state of the s	<u> </u>	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	10.55	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	4401.45	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	17.38	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	12.92	N.A.
		The same	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.8	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	30.55	150.0
	Matter	G,	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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Dr. AJOY PAUL Quality Manager

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.			Type of Industry				:	Graphite Unit		
Industry											a de		
Address	:	P.O Sagarbha	Sampling Date					07.02.2024					
						Period of Analysis				: 15.02.2024 - 1			6.02.2024
						Date of Issue					17.02.2024		
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/32/Feb./A/XVII	Report	No.	:	: ENV/32/Feb./TR(A)/XVII/23-24			XVII/23-24	

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	Height of Stack (mtr.) (from G. L.)	:	30.	0
Materials of Construction	:	M.S.	0.4	0		
Capacity	:		:	28.	0	
Emission Due to	:	Combustion of CBM				2
Fuel Used	:	CBM	Permanent Platform & Ladder			Yes
Working Fuel Consumption	:	70 m ³ /hr.			131	
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.		The state of the s				
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	73.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	10.25	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	3968.10	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	14.88	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	8.45	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.6	N.A.
3.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
€.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	11.30	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.

Reviewed By:

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

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Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite I	Graphite India Ltd. Type of Indu						ustry			Graphite U	nit	
Address	:	P.O. – Saga	Sampli	ng D	ate			09.02.2024						
							Period of Analysis				:	15.02.2024	5.02.2024 - 16.02.2024	
							Date of	Issu	ıe			17.02.2024		
Sampling Plan &	:	ENV/SOP	/01	Deviation	fro	m the Sampling Method and I	Plan		No	Ту	pe o	of Sample		Stack Emission
Procedure						A 1 - 1								
Sample Condition	:	Sealed	Sampl	e ID No.	:	ENV/32/Feb./A/XXVIII	Report	No.	:	ENV/32/Feb./TR(A)/XXVIII/23-24			XXVIII/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Thermic Fluid Heater (Extrusion # 2 Dept.) (St	ack – 28)					
Shape of Stack	G. L.)							
Materials of Construction	The second state of the se							
Capacity	:	10 Lac K-Cal/Day	Day Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Combustion of CBM to Heat Treatment Fluid	THE RESIDENCE OF THE PARTY OF T					
Fuel Used	:	CBM	Permanent Platform & Ladden	r		Yes		
Working Fuel Consumption	:	50 m ³ /hr.			131			
Pollution Control Device	:	Nil						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
	PARAMETERS	UNII	METHOD NO.		KESULIS	LIMITI
NO.	32, 3	A CONTRACTOR OF THE PARTY OF TH				
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)		49.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second of th	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	8.39	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	7152.81	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	21.69	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	8.94	N.A.
		The state of	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	4.2	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	16.19	150.0
	Matter	<i>.</i>	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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Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India	Ltd.			Type o	f Ind	lustry		:	Graphite Unit			
Industry											A.			
Address	:	P.O Sagarbha	Sampling Date				:	09.02.2024						
						Period of Analysis				s : 15.02.2024 - 16.02.2024			6.02.2024	
						Date of Issue					17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	тре (of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXIX	Report	No.	: 1	El	VV/	32/Feb./TR(A)/	XXIX/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	IRICH Dust Collector (Extrusion # 2 Dept.) (Stack - 29)			
Shape of Stack	G. L.)					
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.30	
Capacity	: Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Process Activity			28	
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		: Yes	
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter	Me and a few and a second and a second			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	32.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	7.33	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1811.57	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	24.38	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:

DURBADAL CHAKRABORTY Dy. Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Ltd.			Type of	f Ind	lustry		:	Graphite U	nit	
Address	:	P.O Sagarbh	Sampling Date				:	09.02.2024					
			Period of Analysis							1	15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	Type of Sample		:	Stack Emission
Sample Condition		Sealed Sam	ole ID No.		ENV/32/Feb./A/XXX	Report	Nο		EN	ENV/32/Feb./TR(A)/XXX/23			XXX/23-24

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.	Stack I.D. at sampling point (mtr.)	:	1.0	
Capacity	:	TAPAL	Height of sampling port (mtr.) (from G.L.)	÷	33	.0
Emission Due to	:	Process Activity				22
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r		Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	32.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.22	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	36292.39	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	56.50	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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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi







FORMAT NO: ENV/FM/38

	_	1												
Name of the	:	Graphite India I	Type of Industry					Graphite Unit						
Industry		•									A STATE OF THE STA			
Address	:	P.O Sagarbha	P.O. – Sagarbhanga, Durgapur, Pin – 713211							:	09.02.2024			
		Period of Analysis							s	16	15.02.2024 - 16.02.2024			
						Date of	Issu	ıe		5 .	17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	Type of Sample		:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXI	Report	No.	:	El	NV/	32/Feb./TR(A)/XXXI/23-24			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		AND THE PARTY OF T					
Stack Attached to	:	Raymond Mill Dust Collector (Extrusio	n # 2 Dept.) (Stack - 31)				
Shape of Stack	:	Circular	:	: 15.0			
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.2	23	
Capacity	:		Height of sampling port (mtr.) (from G.L.)	•	: 10.5		
Emission Due to	:	Process Activity					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	1	:	Yes	
Working Fuel Consumption	:	N.A.					
Pollution Control Device	:	Bag Filter	THE RESERVE OF THE PARTY OF THE				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	41.0	N.A.
2.	Barometric Pressure	mm of Hg.	And the second	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.92	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1962.33	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	128.60	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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India Ltd.						Graphite India Ltd. Type of Industry							
Address	:	P.O Saga	P.O. – Sagarbhanga, Durgapur, Pin – 713211								:	09.02.2024			
			Period of Analysis								1	15.02.2024 - 16.02.2024			
							Date of	Issı	ıe			17.02.2024			
Sampling Plan & Procedure	:	ENV/SOP,	/01	Deviation	fro	m the Sampling Method and I	Plan		No	Ту	Type of Sample			Stack Emission	
Sample Condition	:	Sealed	Sampl	e ID No.	:	ENV/32/Feb./A/XXXII	Report	No.	: 0	EN	IV/	32/Feb./TR(A)/	XXXII/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Silo Dust Collector (Extrusion # 2 Dept.) (Stac	ck - 32)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.6	0
Capacity	:	APPL AND AND ADDRESS OF THE PARTY OF THE PAR	Height of sampling port (mtr.) (from G.L.)	÷	7.0	
Emission Due to	:	Process Activity				25
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	32.0	N.A.
2. Barometric Pressure		mm of Hg.	Barrier State of the State of t	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	19.05	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	18823.28	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	16.02	150.0
	Matter	100	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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: UAE = Qatar = Netherlands







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite	Graphite India Ltd.						lustry		: Graphite Unit			
Address	:	P.O Sag	garbhai	ıga, Durgap	ur, l	Pin - 713211	Sampl	ng D	ate	-	: 09.02.2024			
									nalysi	S	-	15.02.2024 - 16.02.2024		
							Date o	f Issı	ıe			17.02.2024		
Sampling Plan & Procedure	:	ENV/SOP	P/01	Deviation	fro	m the Sampling Method and I	Plan		No	Type o		of Sample :		Stack Emission
Sample Condition	:	Sealed	Sampl	e ID No.	:	ENV/32/Feb./A/XXXIII	Repor	No.	:	El	VV/	32/Feb./TR(A)/	XXXIII/23-24

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	:	APPL AND AND ADDRESS OF THE PARTY OF THE PAR	Height of sampling port (mtr.) (from G.L.)	÷	7.0	
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	1	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Scrubber System				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	37.0	N.A.
2.	Barometric Pressure	mm of Hg.	Barrier State of the State of t	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		60.72	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	12704.95	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.24	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

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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.		Type o	Type of Industry : Graphite Un					nit			
Industry														
Address	:	P.O Sagarbhai	nga, Durga	pur,	Pin - 713211	Sampli	ng [ate		:	12.02.2024			
									S	- 63	15.02.2024 - 16.02.2024			
						Date of	Issi	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan		No	Ту	pe o	of Sample	:	Stack Emission	
Procedure									gr.	3	-			
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/32/Feb./A/IX	Report	No.	:	EN	IV/3	32/Feb./TR(A)/	IX/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Acheson Dust Collector (Stack - 34)	ACCOUNT OF TAXABLE			
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	:	ATTL COMME	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. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	4	RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	<i>*</i> :	30.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	29.05	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	26101.34	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	21.17	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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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.		Type of	Type of Industry : Graphite Unit								
Industry											200			
Address	:	P.O Sagarbha	2.0. – Sagarbhanga, Durgapur, Pin – 713211								09.02.2024			
								Period of Analysis : 15.02.2024 – 16.02.2					6.02.2024	
						Date of	Issi	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure		·							AN I	3				
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXIV	Report	No.	:	El	VV/	32/Feb./TR(A)/	XXXIV/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Scrap System Dust Collector (Extrus	ion # 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	:	APPL AND	Height of sampling port (mtr.) (from G.L.)		8.9	
Emission Due to	:	Process Activity				2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	33.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the last of	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	12.18	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	14085.49	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	84.40	150.0
	Matter	100	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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E-mail : info@envirocheck.in / envirocheck50@gmail.com • Website : www.envirocheck.in Branch Office: Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi

: UAE = Qatar = Netherlands Overseas







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.		Type o	Type of Industry : Graphite Unit								
Industry														
Address	:	P.O Sagarbha	nga, Durgap	our,	Pin - 713211	Sampli	ng D	ate	77		06.02.2024			
									S	:01	15.02.2024 - 16.02.2024			
						Date of	Issu	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	тре о	of Sample	:	Stack Emission	
Procedure											1.00			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XI	Report	No.	:	EN	IV/	32/Feb./TR(A)/	XI/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RH - 24 (II) Furnace (Stack - 36)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	45.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.6	0
Capacity	:	80 MT/Charge	Height of sampling port (mtr.) (from G.L.)	7	33.	0
Emission Due to	:	Combustion of CBM	The second second second			
Fuel Used	:	CBM	Permanent Platform & Ladden	r	١:	Yes
Working Fuel Consumption	:	120 m ³ /hr.				
Pollution Control Device	:	E.S.P				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		77.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the second secon		756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	7.20	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)		44090.82	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	31.43	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	15.90	N.A.
		100	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	14.98	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
		N. 5	(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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India	Ltd.			Type of Industry					Graphite Unit		
Industry													
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampling Date					10.02.2024		
									S	1	15.02.2024 - 16.02.2024		
			Date of Issue							17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviatio	n fro	om the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure										Ŧ			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXXVIII	Repor	t No	. :	EN	ENV/32/Feb./TR(A)/XXXXVIII/23-			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Unit - 3 (South Side) Nipple	nishing Unit - 3 (South Side) Nipple Dust Collector (Stack - 37)										
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0							
Materials of Construction	:	M.S.	:	0.7	0								
Capacity	:	ATTL NOTE	Height of sampling port (mtr.) (from G.L.)										
Emission Due to	:	Process Activity											
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	٠:	Yes							
Working Fuel Consumption	:	N.A.											
Pollution Control Device	:	Bag Filter											

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	34.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.74	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	18338.74	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	11.86	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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite In	Graphite India Ltd.							Type of Industry			Graphite Unit			
Address	:	P.O. – Sagar	rbhan	iga, Durgap	Pin - 713211	Sampling Date					06.02.2024					
								Period of Analysis				15.02.2024 - 16.02.2024				
							Date of	Issu	ıe			17.02.2024				
Sampling Plan & Procedure	:	ENV/SOP/	01	Deviation	fro	m the Sampling Method and I	Plan	:	No	Ту	pe of Sample			Stack Emission		
Sample Condition	:	Sealed S	Sampl	e ID No.	:	ENV/32/Feb./A/XXXXIII	Report	No.	:	EN	IV/32/Feb./TR(A)/XXXXIII/23-24			XXXXIII/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Unit - 2 (South Side) Nipple Dust	nishing 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.	(mtr.)										
Capacity	:	APPL AND DESCRIPTION	Height of sampling port (mtr.) (from G.L.)										
Emission Due to	:	Process Activity	The second secon										
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden		:	Yes							
Working Fuel Consumption	:	N.A.											
Pollution Control Device	:	Bag Filter											

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	30.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	18.99	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	19513.01	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	48.50	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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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	∡td.		Type of Industry				:	Graphite Unit			
Industry													
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampling Date					06.02.2024		
									S	:01	15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan		No	Ty	pe o	of Sample	:	Stack Emission
Procedure									A.	3			
Sample Condition	:	Sealed Samp	le ID No.	1:	ENV/32/Feb./A/XXIV	Report	No.	:	El	VV/	32/Feb./TR(A)/	XXIV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		A STATE OF THE PARTY OF THE PAR					
Stack Attached to	:	RH - 16 Stock Cleaning Machine Dust Collector	(Stack - 39)				
Shape of Stack	:	Rectangular	Height of Stack (mtr.) (from G. L.)	:	15	.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.4	x 0.6	
Capacity	:	Att.	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. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	31.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	7.32	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	6160.09	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	69.34	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.

: Result relates only to the sample tested.

Reviewed By:

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit	
Address	:	P.O Sagarbhar	ıga, Durgaj	our, l	Pin - 713211	Sampling Date				1		06.02.2024		
										S		15.02.2024 - 16.02.2024		
						Date of Issue					17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan		:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure										8	ď	-		
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/XII	Rep	ort N	lo.		EN	ENV/32/Feb./TR(A)/XII/23-24			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RH - 24 (II) Stock Cleaning Machin	e Dust Collector (Stack - 40)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30	.0	
Materials of Construction	:	M.S.	:	0.6	5		
Capacity	:	- APTIL 1999	Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Process Activity	TO SECURE A SECURE ASSESSMENT				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes	
Working Fuel Consumption	:	N.A.					
Pollution Control Device	:	Bag Filter					

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		34.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	6.37	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	7341.78	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D	:	14.80	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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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	raphite India Ltd.					lustry		:	Graphite Unit			
Industry											A.			
Address	:	P.O Sagarbhai	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate			06.02.2024			
									S	- 10	15.02.2024 - 16.02.2024			
						Date of	Issi	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	уре (of Sample	:	Stack Emission	
Procedure									£	7				
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/32/Feb./A/XII	Report	No.	:	El	VV/	32/Feb./TR(A)/	XII/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	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	5
Capacity	:	AT ()	Height of sampling port (mtr.) (from G.L.)	:	3.0	
Emission Due to	:	Process Activity	The second secon			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	E :	39.0	N.A.
2.	Barometric Pressure	mm of Hg.	the same of the sa	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	7.41	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1240.93	N.A.
5	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	13.07	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:

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: UAE - Qatar - Netherlands







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	raphite India Ltd.							Industry : Graphite Unit				
Industry														
Address	:	P.O Sagarbhai	nga, Durgap	ur,	Pin - 713211	Sampli	ng D	ate	77	:	10.02.2024			
									S		15.02.2024 - 16.02.2024			
						Date of	Issu	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure										ď.	190			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XIX	Report	No.	:	EN	IV/3	32/Feb./TR(A)/	XIX/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	P.I 2 Turning Machine Dust Colle	ctor (Stack – 42)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.2	5
Capacity	:	"ATTLA EDIT	Height of sampling port (mtr.) (from G.L.)		3.0	2
Emission Due to	:	Process Activity	The second section is a second section of the second section of the second section is a second section of the section of the second section of the section of the second section of the second section of the section of the second section of the section of t			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	1	:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	36.0	N.A.
2.	Barometric Pressure	mm of Hg.	the second second	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.04	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1528.35	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	12.68	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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FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	raphite India Ltd.					lustry		:	Graphite Unit		
Industry											2		
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampli	ng [ate		:	08.02.2024		
									S	: 6	15.02.2024 - 16.02.2024		
						Date of	Issi	ıe			17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission
Procedure									di.	3			
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXI	Report	No.	:	El	VV/3	32/Feb./TR(A)/	XXI/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P.I 3 Turning Machine Dust Collect	or (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	:	ATTL AND	Height of sampling port (mtr.) (from G.L.)	:	3.0	
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	0:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	<i>*</i> :	36.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.04	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1528.36	N.A.
5	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	14.17	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. A IOV PA

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Dr. AJOY PAUL Quality Manager

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	raphite India Ltd.						lustry : Graphite Unit				
Industry													
Address	:	P.O Sagarbha	nga, Durgaj	our,	Pin - 713211	Sampli	ng [ate		:	08.02.2024		
								nalysi	S	.0	15.02.2024 - 16.02.2024		
						Date of	Issi	ıe			17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission
Procedure									ar.	3	-		
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXVI	Report	No.	:	El	IV/3	32/Feb./TR(A)/	XXVI/23-24

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	:	ATTL AND THE	Height of sampling port (mtr.) (from G.L.)	2	18.	8
Emission Due to	:	Combustion of CBM Gas	process and the second			
Fuel Used	:	CBM Gas	Permanent Platform & Ladde	r	٠:	Yes
Working Fuel Consumption	:	100 m ³ /hr.				
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.	AL I	The same of the sa				
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	4:	104.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the last of	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	8.10	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	16211.20	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	18.81	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	11.43	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.14	150.0
	Matter	S. 3	3685M-98 (reapproved 2005) : Sec. 11			
		N. F	(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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	Type of Industry			:	Graphite Unit						
Industry											A.		
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampli	ng [ate	-		08.02.2024	ŀ	
								Period of Analysis			15.02.2024 - 16.02.2024		
						Date of	f Issi	ıe			17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure									A.	3			
Sample Condition	:	Sealed Samp	le ID No.	1:	ENV/32/Feb./A/XXVII	Report	No.	:	El	VV/	V/32/Feb./TR(A)/XXVII/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

0. 1 4 1 1		D. 160 11 150				
Stack Attached to	:	P.I. – 4 (Pre-Heater) (Stack – 45)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	35	.8
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.1	.5
Capacity	:		Height of sampling port (mtr.) (from G.L.)			
Emission Due to	:	Combustion of CBM	Name of the State			
Fuel Used	:	CBM	Permanent Platform & Ladder	r		Yes
Working Fuel	:	60 m ³ /hr.				
Consumption						
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		32.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the last of	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	6.31	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)		22881.93	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	22.88	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	12.43	N.A.
		The state of the s	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.0	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	14.82	150.0
	Matter	. 3	3685M-98 (reapproved 2005) : Sec. 11			
		N. 4	(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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	Graphite India Ltd.							:	Graphite Unit		
Industry											A.		
Address	:	P.O Sagarbha	nga, Durga	pur,	Pin - 713211	Sampli	ng [ate			06.02.2024	ŀ	
								Period of Analysis			15.02.2024 - 16.02.2024		
						Date of	Issi	ıe			17.02.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	ı fro	m the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission
Procedure									All I	7			
Sample Condition	:	Sealed Samp	le ID No.	1:	ENV/32/Feb./A/XIII	Report	No.	:	El	VV/	32/Feb./TR(A)/	XIII/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

	_	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE OWNER.						
Stack Attached to	:	RH - 24 II Jaw Crusher Machine Dust Collecto	r (Stack – 46)					
Shape of Stack	:	Circular	G. L.)					
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.4	8		
Capacity	:	All more	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	:	Transfer Waster						
Pollution Control Device	:	Bag Filter						

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	32.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the last of	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.98	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	5681.59	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	12.58	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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E-mail : 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/38

Name of the Industry	:	Graphite India L	td.			Type o	f Inc	lustry		:	: Graphite Unit						
Address	:	P.O Sagarbhar	nga, Durgaj	our,	Pin – 713211	Sampling Date				:	08.02.2024						
									S		15.02.2024 - 16.02.2024						
		_				Date o	f Issı	ue			: 17.02.2024						
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and I	Plan	:	No	Ty	pe (of Sample	:	Stack Emission				
Procedure									48								
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/XXV	Repor	No.		EN	IV/	IV/32/Feb./TR(A)/XXV/23-24						

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Raid Hammer - 16 Jaw Crusher Ma	chine Dust Collector (Stack - 47)		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.80
Capacity	:	arts.	Height of sampling port (mtr.) (from G.L.)		
Emission Due to	:	Process Activity			2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	1	: Yes
Working Fuel Consumption	:	The second of the second			
Pollution Control Device	:	Bag Filter			

B. RESULTS

PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	33.0	N.A.
Barometric Pressure	mm of Hg.	A STATE OF THE STA	:	755.0	N.A.
Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.0	N.A.
Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	15752.50	N.A.
Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	14.18	150.0
Matter		3685M-98 (reapproved 2005) : Sec. 11			
		(Vol.11.07): 2017			
	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate	Flue Gas Temperature Barometric Pressure Velocity of Gas flow Quantity of Gas flow Concentration of Particulate OC mm of Hg. m/s Nm³/hr. mg/Nm³	Flue Gas Temperature OC IS: 11255 (Part 1) Barometric Pressure Welocity of Gas flow Mm's IS: 11255 (Part 3) Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) Concentration of Particulate Matter IS: 1255 (Part - 1): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : Barometric Pressure mm of Hg. : Velocity of Gas flow m/s IS: 11255 (Part 3) : Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : Matter 3685M-98 (reapproved 2005): Sec. 11	Flue Gas Temperature °C IS: 11255 (Part 1) : 33.0 Barometric Pressure mm of Hg. : 755.0 Velocity of Gas flow m/s IS: 11255 (Part 3) : 9.0 Quantity of Gas flow Nm³/hr. IS: 11255 (Part III) : 15752.50 Concentration of Particulate mg/Nm³ IS 11255 (Part - 1): 2019 & ASTM D 3685/D : 14.18 Matter 3685M-98 (reapproved 2005): Sec. 11

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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	td.			Type o	f Ind	lustry		:	Graphite U	nit		
Address	:	P.O Sagarbhai	ıga, Durgaj	our, l	Pin - 713211	Sampling Date					10.02.2024	ŀ		
										:	15.02.2024 - 16.02.2024			
						Date of	Issu	ıe		: 17.02.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission	
Procedure						1				ď	1 100			
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/32/Feb./A/XXXXIV	Report	No.	:	EN	IV/	IV/32/Feb./TR(A)/XXXXIV/23-2			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RS - 24 (I) Stock Cleaning Dust Collector (S	Stack - 48)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.3	0
Capacity	:		Height of sampling port (mtr.) (from G.L.)	•	4.5	7
Emission Due to	:	Process Activity			9	
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	•	:	Yes
Working Fuel Consumption	:					
Pollution Control Device	:	Bag Filter with Cyclone Separator				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	35.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.28	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	3220.43	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	13.11	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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:	Graphite Unit			
Address		P.O Sagarbhai	nga, Durgaj	our, I	Pin - 713211	Sampling Date				1	:	06.02.2024			
										5	i.	15.02.2024 - 16.02.2024			
							Date of Issue				:	17.02.2024			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and	Pl	lan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Sample Condition		Sealed Sampl	le ID No.	:	ENV/32/Feb./A/VIII		Report l	No.		EN	ENV/32/Feb./TR(A)/VIII/23-24				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		AND THE PERSON NAMED TO ADDRESS OF THE PERSON NAMED TO ADDRESS			
Stack Attached to	:	Core Sampling Dust Collector (Stack - 49)			
Shape of Stack		Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.25
Capacity		ATTL AND TO SERVICE	Height of sampling port (mtr.) (from G.L.)	÷	4.5
Emission Due to	:	Process Activity			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	: Yes
Working Fuel Consumption	:	Transfer Market			
Pollution Control Device	:	Bag Filter with Cyclone Separator			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	do-	RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	30.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.67	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	1668.32	N.A.
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	53.31	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







FORMAT NO : ENV/FM/38

Name of the Industry	:	Graphite India L	td.		Type of Industry				:	Graphite Unit			
Address	:	P.O Sagarbhar	ıga, Durgapur	r, Pin – 713211	Sampling Date				:	08.02.2024			
									:01	15.02.2024 - 16.02.2024			
		_			Date of	Issu	ıe			17.02.2024	ŀ		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation fro	om the Sampling Method and	Plan		No	Ту	pe	of Sample	:	Stack Emission	
Sample Condition	:	Sealed Sampl	e ID No. :	ENV/32/Feb./A/XXIII	Report	No.	:	EN	ENV/32/Feb./TR(A)/XXIII/23-24				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	CBS Dust Collector (Stack - 50)			
Shape of Stack		Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.60
Capacity	:	APPL MINE	Height of sampling port (mtr.) (from G.L.)	÷	5.0
Emission Due to	:	Process Activity	And the second s		
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	: Yes
Working Fuel Consumption	:	"Transport I I Van			
Pollution Control Device	1:	Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		32.0	N.A.
2.	Barometric Pressure	mm of Hg.	the state of the s	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.69	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	9578.35	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.05	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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FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite	India I	ıtd.			Type o	f Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Sa	garbhai	nga, Durgap	ur,	Pin - 713211	Sampli	ng D	ate	1	:	06.02.2024	ļ	
					Period of Analysis				:0	15.02.2024 - 16.02.2024				
							Date of	Issu	ıe			17.02.2024	ļ	
Sampling Plan & Procedure	:	ENV/SO	P/01	Deviation	fro	m the Sampling Method and I	Plan	:	No	Ту	pe (of Sample		Stack Emission
Sample Condition	:	Sealed	Samp	le ID No.	:	ENV/32/Feb./A/XXXXI	Report	No.	:	ENV/32/Feb./TR(A)/XXXXI/23-24				XXXXI/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing – 4 Electrode Line Dust C	ollector Stack (Stack - 51)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	17.	5		
Materials of Construction	:	M.S.	(mtr.)					
Capacity	:	40,000 m ³ /hr.	/hr. Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Process Activity	The Colonia of the Co					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	١:	Yes		
Working Fuel Consumption	:	The second state of						
Pollution Control Device	:	Bag Filter						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.	AL LOS					
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	* :	33.0	N.A.
2.	Barometric Pressure	mm of Hg.	the second	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.01	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	27238.54	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.48	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
Dv. Ossality Manager

Authorised Signatory:

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India	Graphite India Ltd.							:	Graphite Unit			
Industry											Br			
Address	:	P.O Sagarbh	nga, Durga	our,	Pin - 713211	Sampli	ng D	ate		:	06.02.2024	ŀ		
						Period of Analysis			S	-	15.02.2024 - 16.02.2024			
						Date of	Issu	ıe			17.02.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	тре о	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Sam	ole ID No.	:	ENV/32/Feb./A/XXXXII	Report	No.	: 0	E	NV/32/Feb./TR(A)/XXXXII/23-24				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing - 4 - Nipple Line Dust Collector Stack	(Stack - 52)				
Shape of Stack	:	Circular Height of Stack (mtr.) (from G. L.)				5	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8	5	
Capacity	:	30,000 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	•	:	Yes	
Working Fuel Consumption	:	The same of the sa					
Pollution Control Device	:	Bag Filter					

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	35.0	N.A.
2.	Barometric Pressure	mm of Hg.	No. of the last of	:	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.64	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	22910.93	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D	:	23.78	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 Dy. Quality Manager **Authorised Signatory:**

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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite	India I	ıtd.			Type o	f Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sag	garbhai	nga, Durgap	ur,	Pin - 713211	Sampli	ng D	ate			09.02.2024	ŀ	
							Period of Analysis					15.02.2024	- 1	6.02.2024
							Date of	Issu	ıe			17.02.2024	ŀ	
Sampling Plan & Procedure	:	ENV/SOI	P/01	Deviation	fro	m the Sampling Method and I	Plan	:	No	Type of		of Sample	:	Stack Emission
Sample Condition	:	Sealed	Samp	le ID No.	ENV/32/Feb./A/XXXV	Report	No.	:	EN	IV/	32/Feb./TR(A)/	XXXV/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		All the second s				
Stack Attached to	:	RH – 24 III, E.S.P Stack (Stack – 53)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	45	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.6	50
Capacity	:	ATTLE MINISTER	Height of sampling port (mtr.) (from G.L.)		30	.0
Emission Due to	:	Combustion of CBM Gas & Baking of electrode	& Nipple			
Fuel Used	:	CBM	Permanent Platform & Ladde	r		Yes
Working Fuel	:	120 m ³ /hr.				
Consumption						
Pollution Control Device	:	E.S.P				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)		78.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	7.21	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	:	43968.0	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	31.05	N.A.
ó.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	16.40	N.A.
		1	Sec. 11 (Vol. 11.07) : 2017			
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
3.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
9.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1): 2019 & ASTM D 3685/D	:	18.0	30.0
	Matter	. 3	3685M-98 (reapproved 2005) : Sec. 11			
		No. 45	(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







FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Ltd.			Type of	Ind	lustry			Graphite U	nit	
Address	:	P.O. – Sagarbh	anga, Durga	pur,	Pin - 713211	Sampli	ng D	ate		:	09.02.2024	ŀ	
						Period	of A	nalysi	s	:	15.02.2024	- 1	6.02.2024
						Date of	Issı	ıe		:	17.02.2024	Ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	Deviation from the Sampling Method and Plan						тре о	of Sample	:	Stack Emission
Procedure													
Sample Condition	1:	Sealed Sam	ole ID No.	1:	ENV/32/Feb./A/XXXVI	Report	No.	:	EN	VV/	32/Feb./TR(A)/	XXXVI/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

		A STATE OF THE PARTY OF THE PAR				
Stack Attached to	:	RH - 24 - III Jaw Crusher Dust Collector (S	tack – 54)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	22.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.6	
Capacity	:	TATAL	Height of sampling port (mtr.) (from G.L.)	:	14	0
Emission Due to	:	Process Activity				2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden		:	Yes
Working Fuel Consumption	:	Transport III a 10				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	36.0	N.A.
2.	Barometric Pressure	mm of Hg.	Name of the Party	:	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.44	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	10181.68	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	12.47	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 Dy. Quality Manager **Authorised Signatory:**

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







FORMAT NO: ENV/FM/38

Name of the	:	Graphite India I	⊥td.			Type o	f Inc	lustry		:	Graphite U	nit	
Industry											25		
Address	:	P.O Sagarbha	nga, Durga	our,	Pin - 713211	Sampli	ng [ate			09.02.2024		
						Period	of A	nalysi	S	-	15.02.2024	- 1	6.02.2024
						Date of	f Issı	ıe			17.02.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	уре (of Sample	:	Stack Emission
Procedure													
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/32/Feb./A/XXXVII	XVII Report No. : ENV/32/Feb./TR(A)/XXXVII/23-24					XXXVII/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RH - 24 - III Stock Cleaning Machine D	ust Collector (Stack – 55)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	22	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.5	0
Capacity	:	APPL COMM	Height of sampling port (mtr.) (from G.L.)	ż	14	.0
Emission Due to	:	Process Activity				2
Fuel Used	:	Electrically Operated	Permanent Platform & Ladden	r	:	Yes
Working Fuel Consumption	:	The same of the same				
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	32.0	N.A.
2.	Barometric Pressure	mm of Hg.	Name of the last o		755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		8.20	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	5625.65	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	26.28	30.0
	Matter	199	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

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Quality Manager

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: UAE = Qatar = Netherlands Overseas









STATEMENT OF STACK EMISSION DETAILS FOR THE YEAR FEBRUARY-2024

M/s. Graphite India Ltd.

Date of Sampling: 05.02.2024 - 12.02.2024

Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)		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 Pollutant s if any	Description of Air Pollution control devices if any
1	Mixture Fume Extractor (North) (Extrusion #1 Dept)	1	Electricity	720	30000	26000	38	16340.82	18.15	-	-	-	11.69	N.A.	Nil
2	Mixture Fume Extractor (South) (Extrusion#1 Dept)	2	Electricity	710	30000	16000	41	15001.85	23.89	-	-	-	11.15	N.A.	Nil
3	Cooler (North) (Extrusion#1 Dept)	3	Electricity	550	30000	15000	64	11210.96	14.79	-	-	-	14.91	N.A.	Nil
4	Cooler South (Extrusion#1 Dept)	4	Electricity			I	Producti	on unit not in	operation					N.A.	Nil
5	Fume Extractor (West side) weigh floor (Extrusion#1 Dept)	5	Electricity	335.2	30000	9144	39	3555.61	13.62	-	-	-	11.12	N.A.	Bag Filter
6	Raymond Mill Dust Collector (Extrusion#1 Dept)	6	Electricity	300x300	16000	7000	36	3032.13	15.28	-	-	-	9.76	N.A.	Bag Filter
7	Scrap System Dust Collector (Extrusion#1 Dept)	7	Electricity	600	15000	5600	41	17863.05	12.46	-	-	-	18.59	N.A.	Bag Filter
8	Main Dust Collector (Extrusion#1 Dept)	8	Electricity	700	22000	15000	35	21495.01	53.50	-	-	-	16.06	N.A.	Bag Filter
9	Ried Hammer Furnace (Baking Furnace) (14 SECTION)	12	CBM 90 m³/hr.	800	30000	10500	65	21899.52	12.80	20.78	12.43	3.4	13.83	N.A.	E.S.P
	Ried Hammer Furnace (Baking Furnace)(RH16 & RH24-I SECTION) [RH-24(I) running]	13	CBM 170 m ³ /hr.	1800	45000	33000	70	91733.34	15.78	15.55	11.92	3.4	11.56	N.A.	E.S.P

Continuee to Next Page.....









SI. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	~ (.	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 Pollutant s 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	3392.91	16.64	17.38	9.94	3.6	8.57	N.A.	Nil
12	P.I. UNIT- 2 (HGG STACK)	17	CBM 70 m ³ /hr.	400	30000	28000	67	4792.69	21.45	16.16	12.42	3.2	12.17	N.A.	Water spray and Cooling Chamber
13	Finishing Dust Collector (Unit 2)	20	Electricity	900	15000	11000	31	34610.71	49.06	-	-	1	15.54	N.A.	Bag Filter
14	FINE SCREENING DUST COLLECTOR	21	Electricity	560	15000	6700	34	11929.91	42.08	-	-	-	13.96	N.A.	Bag Filter
15	Boiler (1.5 Ton/2Ton) 1.5 Ton Running	22	CBM (65 m ³ /Hr.)	280	29290	13500	135	1174.03	12.67	23.5	11.2	3.0	7.30	N.A.	Nil
16	Tunnel Kiln – 1 (Re-baking Furnace) (4.6 TPH)	23	CBM (85 m ³ /Hr.)	730	30000	18000	191	7469.28	12.81	22.27	15.9	3.8	7.77	N.A.	Incinerator
17	Finishing Dust Collector (Unit 3)	24	Electricity	780	15000	9000	35	13610.36	87.48	-	-	-	8.24	N.A.	Bag Filter
18	P.I. Unit – 3 (HGG STACK)	25	CBM (60 m ³ /Hr.)	400	30000	28000	48	4401.45	30.55	17.38	12.92	3.8	10.55	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	147	11110.94	11.6	18.58	14.41	3.2	10.47	N.A.	Incinerator
20	P.I. Unit – 3 (THERMOPACK STACK)	27	CBM (70 m ³ /Hr.)	400	30000	28000	73	3968.10	11.30	14.88	8.45	3.6	10.25	N.A.	Nil
21	Thermic Flueid Heater (Extrusion -2 Department)	28	CBM (50 m ³ /Hr.)	580	30000	20000	49	7152.81	16.19	21.69	8.94	4.2	8.39	N.A.	Nil
22	Extrusion #2 IRICH Dust Collector	29	Electricity	300	34000	28000	32	1811.57	24.38	-	-	-	7.23	N.A.	Bag Filter
23	Extrusion #2 Main Dust Collector	30	Electricity	1000	34000	33000	32	36292.39	56.50	-	-	-	13.22	N.A.	Bag Filter

Continuee to Next Page.....









Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)		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 Pollutant s if any	Description of Air Pollution control devices if any
24	Extrusion #2 Raymond Mill Dust Collector	31	Electricity	230	15000	10500	41	1962.33	128.60	-	-	-	13.92	N.A.	Bag Filter
25	Extrusion #2 Silo Dust Collector	32	Electricity	600	15000	7000	32	18823.28	16.02	-	-	-	19.05	N.A.	Bag Filter
26	Extrusion #2 IRICH (Trema) Scrubber System	33	Electricity	280	15000	7000	37	12704.95	18.24	-	-	-	60.72	N.A.	Scrubber System
27	Acheson Dust Collector	34	Electricity	800x320	18000	-	30	26101.34	21.17	-	-	-	29.05	N.A.	Bag Filter
28	Extrusion #2 Scrap system Dust collector	35	Electricity	650	15000	8900	33	14085.49	84.40	-	-	-	84.40	N.A.	Bag Filter
29	R.H24 (II) Furnace	36	CBM (120 m ³ /Hr.)	1600	45000	33000	77	44090.82	14.98	31.43	15.9	3.4	7.2	N.A.	E.S.P
30	Finishing Unit – 3 (South Side) Nipple Dust Collector	37	Electricity	700	15000	8000	34	18338.74	11.86	-	-	-	13.74	N.A.	Bag Filter
31	Finishing Unit - 2 Nipple line Dust Collector	38	Electricity	610	15000	9140	30	19513.01	48.50	-	-	-	18.99	N.A.	Bag Filter
32	R.H16 Stock Cleaning Machine Dust Collector	39	Electricity	400 × 600	15000	7000	31	6160.09	69.34	-	-	-	7.32	N.A.	Bag Filter
33	R.H24 (II) Stock Cleaning Machine Dust Collector	40	Electricity	650	30000	15000	34	7341.78	14.80	-	-	-	6.37	N.A.	Bag Filter
34	Turning-1 Dust Collector	41	Electricity	250	15000	3000	39	1240.93	13.07	-	-	-	7.41	N.A.	Bag Filter
35	P.I2 Turning Machine Dust Collector	42	Electricity	250	15000	3000	36	1528.35	12.68	-	-	-	9.04	N.A.	Bag Filter
36	P.I-3 Turning Machine Dust Collector	43	Electricity	250	15000	3000	36	1528.36	14.17	-	-	-	9.04	N.A.	Bag Filter

Continuee to Next Page.....









37	P.I Unit- 4 (THERMOPACK STACK)	44	CBM (100 m ³ /Hr.)	950	30500	18800	104	16211.2	12.14	18.81	11.43	3.4	8.1	N.A.	Nill
38	P. I 4 Pre-Heater	45	CBM (60 m ³ /Hr.)	1150	35800	21200	32	22881.93	14.82	22.88	12.43	3.0	6.31	N.A.	Nil
39	RH-24 (II) Jaw Crusher Machine Dust Collector	46	Electricity	480	22000	10000	32	5681.59	12.58	-	-	-	8.98	N.A.	Bag Filter
40	Ried Hammer-16 Jaw Crusher Dust Collector	47	Electricity	800	15000	6400	33	15752.50	14.18	-	-	-	9.00	N.A.	Bag Filter
41	R.H24 (I) Stock Cleaning Dust Collector	48	Electricity	300	15000	4570	35	3220.43	13.11	-	-	-	13.28	N.A.	Bag Filter
42	Core Sampling Dust Collector	49	Electricity	250	15000	4500	30	1668.32	53.31	-	-	-	9.67	N.A.	Bag Filter
43	CBS Dust Collector	50	Electricity	600	15000	5000	32	9578.35	18.05	-	-	-	9.69	N.A.	Bag Filter
44	Finishing -4, Electrode Line Dust Collector Stack	51	Electricity	950	17500	14000	33	27238.54	18.48	-	-	-	11.01	N.A.	Bag Filter
45	Finishing -4, Nipple Line Dust Collector Stack	52	Electricity	850	17500	14000	35	22910.93	23.78	-	-	-	11.64	N.A.	Bag Filter
46	RH-24 III, E.S.P Stack	53	CBM (120 m ³ /Hr.)	1600	45000	30000	78	43968.00	18.00	31.05	16.4	3.4	7.21	N.A.	E.S.P
47	RH-24 III, Jaw Crusher Dust Collector	54	Electricity	600	22000	14000	36	10181.68	12.47	-	-	-	10.44	N.A.	Bag Filter
48	RH-24 III, Stock Cleaning Machine Dust Collector	55	Electricity	500	22000	14000	32	5625.65	26.28	-	-	-	8.2	N.A.	Bag Filter

Many

Checked By: D. Chakraborty
Dy. Quality Manager
Envirocheck

Kolkata 700 028

Stamp

Hand

Dr. Ajoy Paul
Quality Manager
Envirocheck

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.







FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.				Type of	Ind	ustry	5	1:10	Graphite U	nit		
Address	:	P.O Sag	garbhar	ıga, Durgap	our,	Pin - 713211		Samplin	ng D	ate		:	05.02.2024	4 - 06.02.2024		
								Period	of A	nalysi	3	:	15.02.2024	- 1	6.02.2024	
								Date of	Issı	ıe	vi	:	18.02.2024			
Sampling Plan &	:	ENV/SOI	P/01	Deviation	fro	om the Sampling Method and	Pl	lan	:	No	Туј	pe d	of Sample	:	Ambient Air	
Procedure		-														
Sample Condition	:	Sealed	Sampl	II Report No. : E			ENV/32/Feb./TR(A)/XXXXVIII/23-24									

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) : 22.0
 Average Relative Humidity (%) : 69.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	46.61	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	79.20	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	12.75	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	36.47	80.0
			Sec. 11 (Vol. 11.07) : 2018	pri	
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.48	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 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141

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E-mail : 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/37

Name of the Industry	:	Graphite	India I	ıtd.				Type of	Ind	ustry	5	:11	Graphite U	nit	
Address	:	P.O. – Sa	garbhai	nga, Durgap	ur,	Pin – 713211	_	Samplin				:		1 - 06.02.2024	
				Period of Analysis							5	:	15.02.2024	- 1	6.02.2024
								Date of Issue				:	18.02.2024		
Sampling Plan & Procedure	:	ENV/SO	P/01	Deviation	fro	m the Sampling Method and	d Plan : No Ty			Type of Sample			:	Ambient Air	
Sample Condition	:	Sealed	Samp	mple ID No. : ENV/32/Feb./A/XXXXIX					No.	:	ENV/32/Feb./TR(A			A)/	XXXXIX/23-24

A] GENERAL INFORMATION

Smell or Odour

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

1. Average Temperature (°C) : 22.0

2. Average Relative Humidity (%) : 69.0

3. Barometric Pressure (mm of Hg) : 756.0

5. Weather Condition : Partly Cloudy

C] RESULTS

4.

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	51.73	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23): 2019	82.50	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	14.16	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	32.56	80.0
			Sec. 11 (Vol. 11.07) : 2018	pc	
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.48	2.0

No Remarkable Smell

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







FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.			1	Type of	Ind	ustry	5	i	Graphite U	nit	
Address	:	P.O. – Sag	garbhai	nga, Durgap	Pin - 713211	_	Samplin			_			k – 06.02.2024 k – 16.02.2024		
							-	Period of Analysis Date of Issue				1	18.02.2024		6.02.2024
Sampling Plan & Procedure	:	ENV/SOF	P/01	Deviation	fro	m the Sampling Method and	d Plan : No Ty			Ту	pe o	of Sample	:	Ambient Air	
Sample Condition	:	Sealed	Sampl	e ID No.	Report No. : E			ENV/32/Feb./TR(A)/XXXXX/23-24							

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

1. Average Temperature (°C) : 22.0

2. Average Relative Humidity (%) : 69.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			W ₁		
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	42.06	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	70.12	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	11.09	80.0
			Sec. 11 (Vol. 11.07) : 2017	100	
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	30.17	80.0
			Sec. 11 (Vol. 11.07) : 2018	1/2	
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:

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	td.			Туре	of In	dustry	у	*:1	Graphite U	nit		
Address	:	P.O Sa	garbhai	ıga, Durgap	ur,	Pin - 713211	Samı	ling	Date		:	05.02.2024	ł – 06.02.2024		
							Perio	d of	Analys	sis	:	15.02.2024	1 – 1	6.02.2024	
							Date	of Iss	ue		:	18.02.2024	1		
Sampling Plan &	:	ENV/SO	P/01	Deviation	fro	m the Sampling Method and	Plan	:	No	,	Гуре	of Sample	:	Ambient Air	
Procedure															
Sample Condition	:	Sealed	d Sample ID No. : ENV/32/Feb./A/XXXXXI					I Report No. : E			: ENV/32/Feb./TR(A)/XXXXXI/23-24		XXXXXI/23-24		

A] GENERAL INFORMATION

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

68.0

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

B] METEOROLOGICAL INFORMATION

Average Relative Humidity (%)

1. Average Temperature (°C) : 22.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

2.

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			34	(A)	
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	51.27	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	86.48	100.0
3.	Concentration of SO ₂	μg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	14.16	80.0
		100	Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	38.50	80.0
		The state of the s	Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.48	2.0
6.	Concentration of Pb	μg/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	0.48	1.0
			(Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11		
		7.00	(Vo. 11.07) : 2021		
8.	Benzene (C ₆ H ₆)	$\mu g/m^3$	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	1.20	5.0
		100	(Vol. 11.07): 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9) : 2019	25.0	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:**

Dr. AJOY PAUL Quality Manager

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E-mail : 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/37

Name of the Industry	:	Graphite	e India I	∡td.			Тур	oe of I	Ind	ustry	5	: 11	Graphite U	nit		
Address	:	P.O Sa	garbha	nga, Durgap	ur,	Pin - 713211	San	npling	g Da	ate		:	06.02.2024	4 - 07.02.2024		
			Period of Analysis								;	:	15.02.2024	- 1	6.02.2024	
							Date of Issue				7	:	18.02.2024			
Sampling Plan &	:	ENV/SO	P/01	Deviation	fro	m the Sampling Method and	Plan : No Ty			Ту	pe o	of Sample	:	Ambient Air		
Procedure		-									12					
Sample Condition	:	Sealed	Sample ID No. : ENV/32/Feb./A/XXXXXII					ort N	lo.	: ENV/32/Feb./TR(A)/XXXXXII/			XXXXXII/23-24			

A] GENERAL INFORMATION

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

756.0

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

B] METEOROLOGICAL INFORMATION

Barometric Pressure (mm of Hg)

1. Average Temperature (°C) : 23.0

2. Average Relative Humidity (%) : 70.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

3.

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			The state of the s	*	
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	51.68	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23): 2019	82.60	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	11.80	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	34.23	80.0
			Sec. 11 (Vol. 11.07) : 2018	1/2	
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.50	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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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.				Type of	Ind	ustry	5	i i ji	Graphite U	nit		
Address	:	P.O. – Sag	garbhar	ıga, Durgap	ur,	Pin - 713211		Sampling Date					06.02.2024	ł – 07.02.2024		
								Period	of A	nalysis	;	:	15.02.2024	- 1	6.02.2024	
								Date of	Issı	ıe	7	:	18.02.2024			
Sampling Plan &	:	ENV/SOP	P/01	Deviation	fro	m the Sampling Method and	Pl	lan	:	No	Ту	pe o	of Sample	:	Ambient Air	
Procedure													•			
Sample Condition	:	Sealed	Sampl	Sample ID No. : ENV/32/Feb./A/XXXXXIII					II Report No. : El			ENV/32/Feb./TR(A)/XXXXXIII/23-24				

A] GENERAL INFORMATION

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

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 22.0

Average Relative Humidity (%) : 69.0
 Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			34	7	
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	54.12	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	89.22	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	18.41	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	32.56	80.0
		1	Sec. 11 (Vol. 11.07) : 2018	1/2	
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.42	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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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	Type of Industry				1	Graphite Unit							
Address	:	P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date								:	06.02.2024 - 07.02.2024				
							Period of Analysis				3	:	15.02.2024 - 16.02.2024		
							Date of Issue				77	:	18.02.2024		
Sampling Plan &	:	ENV/SO	ENV/SOP/01 Deviation fr			m the Sampling Method and	Pla	lan	:	No Ty		Type of Sample		:	Ambient Air
Procedure															
Sample Condition	:	Sealed	Sampl	le ID No.	:	ENV/32/Feb./A/XXXXXIV		Report	No.	:	ENV/32/Feb./TR(A)			A)/	XXXXXIV/23-24

A] GENERAL INFORMATION

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

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.0

2. Average Relative Humidity (%) : 70.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL. NO.	PARAMETERS	PARAMETERS UNIT METHOD NO.			LIMIT
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	49.22	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	80.15	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	12.51	80.0
			Sec. 11 (Vol. 11.07) : 2017	110	
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	30.03	80.0
		The same of the sa	Sec. 11 (Vol. 11.07) : 2018	1/2	
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.46	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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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India	Type of Industry				5	ni ji	Graphite Unit						
Address	:	P.O Sagarbha	ınga, Durgaj	our,	Pin - 713211	211 Sampling Date						06.02.2024 - 07.02.2024			
						Period of Analysis					:	15.02.2024 - 16.02.2024			
						Date of Issue				7	:	18.02.2024			
Sampling Plan &	:	ENV/SOP/01	ENV/SOP/01 Deviation from the Sampling Method and				:		No	Type o		ype of Sample :		Ambient Air	
Procedure															
Sample Condition	:	Sealed Samp	ole ID No.	:	ENV/32/Feb./A/XXXXV	Repo	ort N	o.	:	ENV/32/Feb./TR(A)/XXXXXV/23-24					

A] GENERAL INFORMATION

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

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.0

Average Relative Humidity (%) : 70.0
 Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			74		
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	46.66	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	84.13	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	12.51	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	32.50	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.42	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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FORMAT NO: ENV/FM/37

Name of the Industry		Graphite		Type of Industry				1	Graphite Unit						
Address	:	P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date								:	07.02.2024 - 08.02.2024				
							Period of Analysis Date of Issue				S	:	15.02.2024 - 16.02.2024		
											7	:	18.02.2024		
Sampling Plan &	:	ENV/SO	ENV/SOP/01 Deviation f			from the Sampling Method and Pl			:	No Ty		Type of Sample :		:	Ambient Air
Procedure		-													
Sample Condition	:	Sealed	Samp	le ID No.	:	ENV/32/Feb./A/XXXXVI		Report	No.	:	ENV/32/Feb./TR(A)/XX			XXXXXVI/23-24	

A] GENERAL INFORMATION

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

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (0 C) : 24.0

Average Relative Humidity (%) : 71.0
 Barometric Pressure (mm of Hg) : 755.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			34	.6	
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	51.66	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	83.50	100.0
3.	Concentration of SO ₂	μg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	14.16	80.0
		11-12	Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	36.47	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.56	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	0.52	1.0
		1	(Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11		
			(Vo. 11.07): 2021		
8.	Benzene (C ₆ H ₆)	μg/m³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	1.26	5.0
		4.	(Vol. 11.07): 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9) : 2019	26.50	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 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 PAUL

Quality Manager

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







FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.				Type of	Inc	lustry	5	1	Graphite U	nit	
Address	:	P.O. – Sag	garbhar	ıga, Durgaj	pur,	Pin - 713211	Sampling Date					:	07.02.2024	l – 0	8.02.2024
								Period	of A	nalysi	S	:	15.02.2024	- 1	6.02.2024
								Date of	Issu	ıe	7	:	18.02.2024	ļ	
Sampling Plan &	:	ENV/SOP	2/01	Deviation	ı fro	om th <mark>e S</mark> ampling Method and l	Pla	an	:	No	Ту	pe c	of Sample	:	Ambient Air
Procedure											12				
Sample Condition	:	Sealed	Sampl	le ID No. : ENV/32/Feb./A/XXXXVII				Report No. : El			EN	ENV/32/Feb./TR(A)/XXXXXVII/23-24			

A] GENERAL INFORMATION

1. Location of Sampling : Extrusion # 2 Campus (East 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) : 23.0

Average Relative Humidity (%) : 70.0
 Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			V ₃		
1.	Concentration of PM _{2.5}	μg/m ³	IS 5182 (Part 24) : 2019	46.28	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	82.40	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.20	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	29.96	80.0
			Sec. 11 (Vol. 11.07) : 2018	γ:	
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.46	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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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi







FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.			,	Type of	Inc	lustry	5		Graphite U	nit	
Address	:	P.O. – Sa	garbhai	nga, Durga	pur,	Pin - 713211		Samplii	ng I	ate		:	07.02.2024	l – (08.02.2024
								Period	of A	nalysi	S		15.02.2024	l – 1	6.02.2024
								Date of	Iss	ue	7		18.02.2024	Ļ	
Sampling Plan & Procedure	:	ENV/SO	P/01	Deviation	ı fro	om the Sampling Method and P	laı	n		No	Ту	pe o	of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sampl	ple ID No. : ENV/32/Feb./A/XXXXXVII				Report	No.	:	EN 24	,	32/Feb./TR(A)/	XXXXXVIII/23-

A] GENERAL INFORMATION

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

2. Duration of Sampling : 24 hrs. (10:50 a.m. – 10:50 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.0

2. Average Relative Humidity (%) : 70.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Partly Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	42.48	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	78.45	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.44	80.0
			Sec. 11 (Vol. 11.07) : 2017		
ŀ.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	26.48	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:

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	td.			7	Type of	Ind	ustry	5	r i	Graphite U	nit	
Address	:	P.O Sag	garbhai	ıga, Durgap	ur,	Pin - 713211	Sampling Date					:	07.02.2024 - 08.02.2024		
							I	Period o	of A	nalysis	3	:	15.02.2024	- 1	6.02.2024
							Date of Issue			7	:	18.02.2024			
Sampling Plan &	:	ENV/SOF	P/01	Deviation	fro	m the Sampling Method and	Pla	an	:	No	Ту	pe c	of Sample	:	Ambient Air
Procedure										2					
Sample Condition	:	Sealed	Samp	le ID No. : ENV/32/Feb./A/XXXXXIX				Report No. : E			EN	ENV/32/Feb./TR(A)/XXXXXIX/23-24			

A] GENERAL INFORMATION

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

2. Duration of Sampling : 24 hrs. (11:10 a.m. – 11:10 a.m.)

B] METEOROLOGICAL INFORMATION

Weather Condition

1. Average Temperature (°C) : 23.0

2. Average Relative Humidity (%) : 70.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

5.

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.			W _k	7	
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	47.08	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	79.12	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	7.80	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	24.96	80.0
			Sec. 11 (Vol. 11.07) : 2018	14.5	
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.36	2.0

Partly Cloudy

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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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	td.			Туре	of Inc	lustry	5	e i ji	Graphite U	nit		
Address	:	P.O Sa	garbhai	ıga, Durgap	ur,	Pin - 713211	Sampl	ing [ate		:	09.02.2024 - 10.02.2024			
							Period	of A	nalysi	S		15.02.2024	- 1	6.02.2024	
							Date o	f Issi	ue	1		18.02.2024			
Sampling Plan &	:	ENV/SO	P/01	Deviation	fro	m the Sampling Method and I	Plan	:	No	Ту	pe o	of Sample	:	Ambient Air	
Procedure		-							ij						
Sample Condition	:	Sealed	Samp	e ID No.	Repor	t No.	:	EN	IV/3	32/Feb./TR(A)/	XXXXXX/23-24			

A] GENERAL INFORMATION

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

120° Apart)

62.0

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

B] METEOROLOGICAL INFORMATION

Average Relative Humidity (%)

1. Average Temperature (°C) : 24.0

3. Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

2.

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m ³	IS 5182 (Part 24) : 2019	52.54	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	89.15	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	16.52	80.0
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	31.19	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.48	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 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	0.46	1.0
8.	Benzene (C ₆ H ₆)	μg/m³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-9) : 2019	30.0	100.0
10.	Ammonia (NH ₃)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m³	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:

Authorised Signatory:

Dr. AJOY PAUL

DURBADAL CHAKRABORTY

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	.td.							Type o	f Ind	ustry	5	: 11	Graphite U	nit	
Address	:	P.O. – Sa	Sagarbhanga, Durgapur, Pin – 713211								Sampli	ng D	ate		:	09.02.2024	- 1	0.02.2024
											Period	of A	nalysi	S	:	15.02.2024	- 1	6.02.2024
											Date of Issue				:	18.02.2024	ŀ	
Sampling Plan &	:	ENV/SO	P/01	Deviation	fro	m the S	Samp	oling l	Method	and I	Plan	:	No	Ту	pe o	of Sample	:	Ambient Air
Procedure													- 5					
Sample Condition	:	Sealed	aled Sample ID No. : ENV/32/Feb./A/XXXX						XXXI	Report No. : El			EN	1V/	32/Feb./TR(A)/	XXXXXXI/23-24	

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. (09:15 a.m. – 09:15 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0

Average Relative Humidity (%) : 62.0
 Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

		1			
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m ³	IS 5182 (Part 24) : 2019	46.21	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	76.22	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	11.80	80.0
	6 110		Sec. 11 (Vol. 11.07): 2017	00 = 4	22.2
4.	Concentration of NO ₂	μg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	28.51	80.0
		1	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	0.46	1.0
			(Vol. 11.07): 2021/ASTM D 6209-98, Sec. 11		
		100	(Vo. 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
		184	(Vol. 11.07): 2021		
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-9): 2019	18.50	100.0
10.	Ammonia (NH ₃)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m³	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:

Authorised Signatory:

Dr. AJOY PAUL

H.O. DURBADAL CHAKRABORTY

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	td.				Type of	Inc	lustry		: 11	Graphite U	nit	
Address	:	P.O Sa	garbhai	nga, Durgaj	our,	Pin - 713211		Sampling Date				:	09.02.2024	ļ - 1	0.02.2024
							Γ	Period	of A	nalysi	s	:	15.02.2024	l – 1	6.02.2024
							Γ	Date of	Issı	ıe	77	:	18.02.2024	ŀ	
Sampling Plan &	:	ENV/SO	P/01	Deviation	ı fro	om the Sampling Method and	Pla	an		No	Tyj	pe o	of Sample	:	Ambient Air
Procedure											12				
Sample Condition	:	Sealed	Samp	le ID No.	ENV/32/Feb./A/XXXXXII		Report No. : E			EN	V/3	32/Feb./TR(A)/	XXXXXXII/23-24	

A] **GENERAL INFORMATION**

1. : Outside Boundary Wall of Old Plant [Near Waste Water Recycling Plant] Location of Sampling

(South Side) (As per EC Condition 1200 Apart)

: 24 hrs. (09:15 a.m. - 09:15 a.m.) 2. **Duration of Sampling**

B] **METEOROLOGICAL INFORMATION**

: 25.0 1. Average Temperature (°C)

2. 60.0 Average Relative Humidity (%)

3. Barometric Pressure (mm of Hg) 756.0

Smell or Odour No Remarkable Smell 4.

5. Weather Condition : Clear

C]**RESULTS**

٥,	KEBULIU		The state of the s		
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	51.27	60.0
2.	Concentration of PM ₁₀	μg/m ³	IS 5182 (PART 23) : 2019	82.50	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	12.75	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:	34.15	80.0
		A COUNTY	Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.42	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	0.42	1.0
			(Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11		
			(Vo. 11.07) : 2021		
8.	Benzene (C ₆ H ₆)	$\mu g/m^3$	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	1.10	5.0
		The same of the sa	(Vol. 11.07) : 2021		
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-9) : 2019	26.50	100.0
10.	Ammonia (NH3)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m³	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:

Authorised Signatory:

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UAE - Qatar - Netherlands Overseas







FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.			-	Type of	Inc	lustry	5	:,,	Graphite U	nit	
Address	:	P.O. – Sa	garbhai	nga, Durga	pur,	Pin - 713211	,	Sampli	ng I	ate		:	09.02.2024	l – 1	10.02.2024
								Period	of A	nalysi	3	:	15.02.2024	l – 1	16.02.2024
						Date of Issue							18.02.2024	ŀ	
Sampling Plan & Procedure	:	ENV/SO	P/01	Deviation	ı fro	om the Sampling Method and P	laı	n		No	Ту	pe (of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sampl	e ID No.	:	ENV/32/Feb./A/XXXXXXIII]	Report	No.	:	EN 24	,	32/Feb./TR	(A)/	XXXXXXIII/23-

GENERAL INFORMATION

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

1200 Apart)

2. **Duration of Sampling** : 24 hrs. (09:45 a.m. - 09:45 a.m.)

METEOROLOGICAL INFORMATION B]

1. Average Temperature (°C) 25.0 60.0 2. Average Relative Humidity (%)

756.0 3. Barometric Pressure (mm of Hg)

Smell or Odour No Remarkable Smell 4.

Weather Condition 5. Clear

C] **RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.	A A		A THE RESERVE OF THE PERSON OF		
1.	Concentration of PM _{2.5}	μg/m ³	IS 5182 (Part 24) : 2019	41.66	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2019	74.11	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	8.02	80.0
		THE PARTY OF	Sec. 11 (Vol. 11.07) : 2017	rich and the second	
4.	Concentration of NO ₂	μg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	26.48	80.0
		1	Sec. 11 (Vol. 11.07) : 2018	100	
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.26	2.0
6.	Concentration of Pb	μg/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	0.45	1.0
			(Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11		
			(Vo. 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
		4	(Vol. 11.07) : 2021		
9.	Ozone (O_3)	$\mu g/m^3$	IS 5182 (Part-9) : 2019	20.0	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 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:

Authorised Signatory:

H.O. Labor

E-mai

straguru Avenue, Kolkata -700028 ■ Ph. 033 25792891_{Dr. AJOY PAUL} Fax : 033 25299141

DURBADAL CHAKRABORTY Dy. Quality Manager | 10 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 Quality Manager nvirocheck.in / envirocheck50@gmail.com . Website : www.envirocheck.in

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<End of Report>









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:

All figures are in micro gms / N cub. Mt

73.	x limit		P	arameters	in μg / m	3	Parameters in mg/m ³	P	arameters	in μg / n	1 ³	Param	eters in n	g/m³	Logation	Direction wrt	Classite
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			
								Graph	ite Old Pla	nt Campı	ıs						
A	09.02.24 to 10.02.24	09:00 A.M. TO 09:00 A.M.	52.54	89.15	16.52	31.19	0.4800	<0.01	<0.74	<4.18	30.00	0.46	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	North Side	Outside Boundary Wall of Plant
В	09.02.24 to 10.02.24	09:15 A.M. TO 09:15 A.M.	46.21	76.22	11.80	28.51	0.3600	<0.01	<0.74	<4.18	18.5	0.46	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	North - East Side	Outside of the Boundary Wall of the Plant
С	05.02.24 to 06.02.24	10:00 A.M. TO 10:00 A.M.	42.06	70.12	11.09	30.17	0.4000	-	-	-	-	-	-	ı	At the East of LWG- 4 & 5 (Graphite Old Plant)	East Side	Near Boundary Wall
D	05.02.24 to 06.02.24	09:00 A.M. TO 09:00 A.M.	46.62	79.20	12.75	36.47	0.4800	-	-	-	-	-	-	,	Near Personal Office (Graphite Old Plant)	West Side	Near Boundary Wall

Continuee to next page.....

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ENVIROCHECK







			:	Parameters	s in μg / m ³		Parameters in mg / m ³	1	Parameters	in μg / m	1	Paran	neters in n	g / m ³		Direction wrt Plant	_
Max limit			60	100	80	80	2	1	5	400	100	1	6	20	Location	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			
								Grapl	ite Old Pla	nt Campus							
Е	06.02.24 to 07.02.24	09:40 A.M. TO 09:40 A.M.	51.68	82.60	11.80	34.23	0.5000	1	1	-	,	-	-	-	Tunnel Kiln (Graphite Old Plant)	South Side	Boundary Wall
F	05.02.24 to 06.02.24	09:30 A.M. TO 09:30 A.M.	51.73	82.50	14.16	32.56	0.4800	-	-	-	-	-	-	-	Near Security Barrack, Section (Graphite Old Plant)	North Side	Boundary Wall
G	05.02.24 to 06.02.24	10:30 A.M. TO 10:30 A.M.	51.27	86.48	14.16	38.50	0.4800	<0.01	1.2	<4.18	25	0.48	<0.01	<0.02	Graphite Old Plant	Center Location	Boundary Wall
Н	06.02.24 to 07.02.24	10:10 A.M. TO 10:10 A.M.	54.12	89.22	18.41	32.56	0.4200	-	-	-	-	-	-	-	Graphite Old Plant (Near Baking Furnace RH # 16 Section)	North Side	Boundary Wall
I	06.02.24 to 07.02.24	10:40 A.M. TO 10:40 A.M.	49.22	80.15	12.51	30.03	0.4600	-	-	-	1	-	-	-	Near Baking Furnace RH # 24 Section (Graphite Old Plant)	South Side	Boundary Wall
J	09.02.24 to 10.02.24	09:30 A.M. TO 09:30 A.M.	51.27	82.50	12.75	34.15	0.4200	<0.01	1.1	<4.18	26.5	0.42	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart) (Near Waste Water Recyclong Plant)	South Side	Outside Boundary wall of Old Plant
К	09.02.24 to 10.02.24	09:45 A.M. TO 09:45 A.M.	41.66	74.11	8.02	26.48	0.2600	<0.01	<0.74	<4.18	20	0.45	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	Center Location	On the Roof of Water Reservoir)
							•	Nev	Extrusion	Campus							
A	07.02.24 to 08.02.24	10:30 A.M. TO 10:30 A.M.	46.28	82.40	9.20	29.96	0.4600	-	-	-	-	-	-	-	Extrusion 2 # Campus	East Side	Outside Boundary wall
В	07.02.24 to 08.02.24	11:10 A.M. TO 11:10 A.M.	47.08	79.12	7.80	24.96	0.3600	-	-	-	-	-	-	-	Extrusion 2 # Campus	West Side	Boundary wall Page2 of 3

С	07.02.24 to 08.02.24	10:00 A.M. TO 10:00 A.M.	51.66	83.50	14.16	36.47	0.5600	<0.01	1.26	<4.18	26.5	0.52	<0.01	<0.02	Extrusion 2 # Campus	Center Location	Near New Weigh Bridge
D	06.02.24 to 07.02.24	11:00 A.M. TO 11:00 A.M.	46.66	84.13	12.51	32.50	0.4200	1	1	1	ı	•	-	-	Extrusion 2 # Campus	South Side	Boundary Wall
Е	07.02.24 to 08.02.24	10:50 A.M. TO 10:50 A.M.	42.48	78.45	9.44	26.48	0.3800		-	-	-	-	-	,	Extrusion 2 # Campus	North Side	Boundary Wall

18es

Checked By: D. Chakraborty
Dy. Quality Manager
Envirocheck

Kolkaia 700 028 **

Stamp

Mark

Dr. Ajoy Paul Quality Manager **Envirocheck**







TEST REPORT

Name of the		:		Graphite I	ndia	Ltd. (Extrusion –	2)			Type of Industry	:	Graphite Unit
Industry												
Address		:		P.O. – Saga	ırbha	ınga, Durgapur, P	in –			Sampling Date	:	06.02.2024
				713211						Period of Analysis	:	07.02.2024 - 12.02.2024
										Date of Issue	:	13.02.2024
Sampling Plan	ampling Plan & : ENV/SOP		ENV/SOP/	′01	Deviation from t	the	:	No	Type of Sample	:	Industrial Effluent Water	
Procedure					al State	Sampling Metho	d					(Grab)
110004410				and Plan			THE ST			. 8		
Location : E.T.P Inlet Sample Condition : Se						Sealed	Sample ID No.	:	ENV/05/Feb./W/I			
Report No.	Report No. : ENV/05/Feb./TR(W)/I/23-24											

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	4500 H+B APHA 23 rd Edition, 2017		5.26
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	132.5
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	15.3
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	2360.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	435.0
6.	Phenolic Compound	APHA 23 rd Ed., 5530-Phenols D : 2017	mg/l	3.91
7.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	260.0

Remarks : a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.
b) Result relates only to the sample tested.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrawi Blattackaryya

Authorised Signatory:

Dr. SUMIT CHOWDHURY

Technical Manager

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Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889

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







TEST REPORT

Name of the		:	:	Graphite I	ndia	Ltd. (Extrusion –	2)			Type of Industry	:	Graphite Unit
Industry												
Address			:	P.O Saga	arbha	ınga, Durgap <mark>ur,</mark> P	in –			Sampling Date	:	06.02.2024
				713211						Period of Analysis	:	07.02.2024 - 12.02.2024
6										Date of Issue	:	13.02.2024
Sampling Plan	n &	:	:	ENV/SOP,	/01	Deviation from t	the	:	No	Type of Sample	:	Industrial Effluent Water
Procedure					e ES	Sampling Metho	d					(Grab)
10						and Plan			THE STATE OF			. 8
Location : E.T.P Outlet Sample Condition :						5	Sealed	Sample ID No.	:	ENV/05/Feb./W/II		
Report No.	teport No. : ENV/05/Feb./TR(W)/II/23-24											

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	рН	4500 H+B APHA 23rd Edition, 2017		6.93	5.5 – 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	26.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	4.7	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	70.0	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	20.0	30.0
6.	Phenolic Compound	APHA 23 rd Ed., 5530-Phenols D : 2017	mg/l	0.21	1.0
7.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	57.8	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.

b) N.A. means Not Available.

c) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

d) Result relates only to the sample tested.

Indrawi Blattackaryya

Reviewed By:

NDRANI BHATTACHARYA Dy. Technical Manager, Chemical **Authorised Signatory:**

Dr. SUMIT CHOWDHURY

Technical Manager

<End of Report>

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TEST REPORT

Name of the		:	Graphite India	Ltd.				T	ype of Ir	dustry	:	Grap	hit	e Unit
Industry											7	45		
Address		:	P.O. – Sagarbha	ınga,	Durgapur, Pin –			S	ampling	Date	:	06.02	2.2	024
			713211	713211				P	eriod of	Analysis	:	07.02	2.2	024 - 12.02.2024
								D	ate of Is	sue	4	13.02	2.2	024
Sampling Plan	, ,			Dev	iation from the	:	No		Type of	Sample	:	Indu	ust	rial Effluent Water
Procedure	, ,		Sam	pling Method							(Gra	ab)		
Procedure		1000	and	Plan			4							
Location	:	Col	ected Treated		Sample Conditi	on			Sealed	Sample	ID I	No.	:	ENV/04/Feb./W/I
		wat	er from Common	ı 🦠										
		Wa	ste Water Recycl	ing										
		Uni	t of Outfall (Near							CONTRACTOR OF THE PARTY OF THE		-		
		LW	Jnit of Outfall (Near .WG 4 & Old Weigh											
		Brio	dge) - Inlet							-				
Report No.	:	ENV	NV/04/Feb./TR(W)/I/23-24											

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	4500 H+B APHA 23 rd Edition, 2017	-	5.16
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	117.5
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	14.3
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23rd Edition, 2017	mg/l	1920.0
5.	Biochemical Oxygen Demand	5210 B APHA 23 rd Edition, 2017	mg/l	412.0
	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:

NDRANI BHATTACHARYA Dy. Technical Manager, Chemical **Authorised Signatory:**

Dr. SUMIT CHOWDHURY

Technical Manager

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TEST REPORT

Name of the			:	Graphite India	Ltd.				Γ	Type of In	dustry	:	Graj	phit	te Unit
Industry													45		
Address			:	P.O Sagarbha	ınga,	Durgapur, Pin –			S	Sampling 1	Date	:	06.0	2.2	024
				713211	713211				F	Period of A	Analysis	:	07.0)2.2	024 - 12.02.2024
-	II DI O FINI (COD (O1 D)							Ι	Date of Iss	ue	:	13.0)2.2	024	
Sampling Plan				Dev	iation from the	:	No		Type of S	Sample	:	Inc	lust	rial Effluent Water	
Procedure			200	Sam	pling Method		and the latest and th					(Gı	rab)		
Procedure					and	Plan			39						B
Location	:	Co	lle	ected Treated	60	Sample Conditi	on	:		Sealed	Sample	ID I	No.		ENV/04/Feb./W/II
		W	ate	er from Commor	1						STATE OF				-
		W	as	te Water Recycl	ing										
5.00		Uı	iit	of Outfall (Near	110										
	LWG 4 & Old Weigh											×.			
		Br	id	ge) - Outlet		A STREET						i de			
Report No.	:	ΕN	۷V	IV/04/Feb./TR(W)/II/23-24											

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	рН	4500 H+B APHA 23 rd Edition, 2017	94	6.94	5.5 – 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	32.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	5.3	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23rd Edition, 2017	mg/l	80.0	250.0
5.	Biochemical Oxygen Demand	5210 B APHA 23 rd Edition, 2017	mg/l	24.0	30.0
	for 5 days at 20°C	11			

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 Blattackaryya

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical **Authorised Signatory:**

Mary

Dr. SUMIT CHOWDHURY

<End of Report>

Technical Manager

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STATEMENT OF EFFLUENT DETAILS FOR THE YEAR - FEBRUARY'2024

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

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	5.26
			TSS	132.50
			COD	2360.00
1	Extrusion #2 ETP Inlet	06.02.2024	BOD	435.00
1	Latiusion #2 L11 inict	00.02.2024	Oil & Grease	15.30
			Phenolic	3.91
			Compound	0.72
			Sulphate	260.00

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	6.93
			TSS	26.00
			COD	70.00
2	Extrusion #2 ETP Outlet	06.02.2024	BOD	20.00
	Extrusion #2 L11 Outlet	00.02.2024	Oil & Grease	4.70
			Phenolic	0.21
			Compound	0.21
			Sulphate	57.80

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	5.16
	Collected Treated water from		TSS	117.50
3	Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old	06 07 707/	COD	1920.00
	Weigh Bridge) - Inlet		BOD	412.00
			Oil & Grease	14.30

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	6.94
	Collected Treated water from		TSS	32.00
	Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old	16 07 7074	COD	50.00
	Weigh Bridge) - Outlet		BOD	24.00
	g.,g.,		Oil & Grease	5.30

Checked By: D. Chakraborty

Dy. Quality Manager

Envirocheck

Kolksta 700 028

Stamp

Hand

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 FEBRUARY'2024

Sampling Date: 08.02.2024

Noise Level Leq. dB(A)

	LOCATIONS:	D	AY TIME dB(A)	NIC	GHT TIME dB	8(A)
	LUCATIONS.	Leq	Lmax.	Lmin.	Leq	Lmax.	Lmin.
1	NORTH BOUNDARY WALL -NEAR TEMPLE	61.04	63.90	57.80	55.90	57.80	52.70
2	NORTH BOUNDARY WALL -NEAR SECURITY BARRACK	64.75	66.90	62.30	59.41	61.10	56.30
3	NORTH BOUNDARY WALL -BACK OF LWG # 3	62.40	64.50	59.30	58.81	60.90	56.70
4	CENTRE OF THE PLANT (NEAR PI UNIT # 1)	63.61	65.20	61.20	58.93	61.20	57.40
5	EAST BOUNDARY WALL - NEAR LWG # 4	64.97	66.90	62.70	59.23	61.20	57.60
6	WEST BOUNDARY WALL - NEAR PERSONAL OFFICE	63.72	65.90	61.20	60.84	63.70	57.90
7	SOUTH BOUNDARY WALL -NEAR FINISHIG UNIT # 3	65.37	67.70	61.20	59.42	60.30	58.30
8	SOUTH BOUNDARY WALL –BACK OF OLD STORE	65.07	67.7	61.70	62.84	60.20	64.50
9	SOUTH BOUNDARY WALL -BACK OF CANTEEN BUILDING	65.34	67.7	62.70	59.77	61.9	57.40
10	EXTRUSION # 2 CENTRE OF THE PLANT –NEAR NEW WEIGH BRIDGE	63.22	64.5	61.20	55.90	<i>58.7</i>	53.70
11	EXTRUSION # 2 AREA (EAST BOUNDARY WALL)	65.35	68.2	61.30	56.75	58.9	53.70
12	EXTRUSION # 2 AREA (NORTH BOUNDARY WALL)	66.75	68.9	64.70	67.85	<i>59.2</i>	56.60
13	EXTRUSION # 2 AREA (SOUTH BOUNDARY WALL)	64.98	66.4	62.70	56.65	58.9	53.70
14	EXTRUSION # 2 AREA (WEST BOUNDARY WALL)	63.13	65.80	58.40	52.09	53.8	49.80

Checked By: D. Chakraborty

Dy. Quality Manager

Envirocheck

Kolkata 700 028

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Dr. Ajoy Paul Quality Manager **Envirocheck**



WORK ZONE AIR, NOISE LEVEL, ILLUMINATION & VENTILATION MONITORING REPORT

M/s. GRAPHITE INDIA LTD.

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

MARCH - 2024

PREPARED BY:

INDICATIVE CONSULTANT INDIA

H.P.L Link Road, Basudevpur, P.O.-Khanjanchak, Haldia, Dist. - Purba Medinipur, PIN - 721 602. ⊕ (03224) 275765.

Website: www.indicativeconsultantindia.com



Name of the Factory

: M/s. GRAPHITE INDIA LTD.
Durgapur -713211, Dist - Paschim Bardhaman, West Bengal

: 02.03.2024, 04.03.2024 to 08.03.2024 &
11.03.2024 to 13.03.2024

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 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 02.03.2024, 04.03.2024 to 08.03.2024 & 11.03.2024 to 13.03.2024. 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 29 & Table No. 1 to 6 Noise Level Monitoring in Table No. 1 to 26, Ventilation Condition Testing in Table No. - 1 to 8 and of Illumination Level Testing in Table No. - 1.

2.0 DISCUSSION:

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

WORKZONE AIR RESULT

i) Results of inorganic dust and gases are based on the exposure of 8 hrs. and have been reported in terms of TWA (Time Weighted be within the Permissible Exposure Limit (PEL) (TABLE 1 to 29 & TABLE 1 to 6)

NOISE LEVEL RESULT

ii) Sound levels are well within limit at all measured locations. (TABLE 1 to 26)

ILLUMINATION LEVEL MEASUREMENT RESULT

iii) 100 % of the Illumination levels are within the norms. (TABLE 1)

ii) VENTILATION CONDITION MEASUREMENT RESULT

- a) Volume of air change is ADEQUATE at all measured locations. (TABLE 1 to 8)
- b) Velocities of air inside the work places are ADEQUATE at all measured locations. (TABLE 1 to 8)
- c) Wet Bulb temperatures inside the work place are within limit at all measured locations. (TABLE 1 to 8)



CHILL SEPTEMBERS

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 Haldra, Purba Medinipur-721602 Covt Regn No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 1

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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.

Name of the Department/Plant : EXTRUSION #1 PRESS FLOOR

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

No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Airb			Airborne Contamination		TWA Concentration	T Prof.	Number	of workers	T												
		Suspended	- America III &	Used	No of sample	Range mg/M*	Avg.	an given in 2 rd Schedule	Reference Method	being a	t the location binitored	Remark	Signaturi of person	Prantie												
		Particulate Matter	Particulate Matter			1	1.101		(mg/M²)	-	Exposure	Short team Exposure		Samples	(in bloci letters)											
PRE	EXTRUST	Respirable	02.03.2024			1 178	1.178	10.0		1		Below	- Na	1												
	EXTRUST ON #1 PRESS FLOOR	#1 Particulate Matter			3	0.425 0.507	0.463		+	-	-	PEL	时节	SETRADE.												
		FLOOR Sulphur		88:00 AM	to	to	to	to	See Anneance-1		0.457	57	5.0	See	3	- 1	Below	37.55	1 "							
		Dioxide	to						to	to	to	to	to	to	to	10	to	to	to	to	Anneaure-)	1	0.016	0.017		Annexure -
		Nitrogen	04:00 PM			0.015	5.017	5.0	1	3		Below	- 1													
		Dieside		1	3	0.036			-		1	PEL	7													
• 11.1.	P.L. Permissil	le Esposure Limi	,			0.035	0.038	6.0		3		Relow	81	CHATTARA												

For, INDICATIVE CONSULTANT INDIA

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P 1/20

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

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Table No. - 2

Form No. - 30

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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: EXTRUSION #1 WEIGH FLOOR

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

SI No	Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Airbo	rne Contar	nination	TWA Concentration	ecentration	Number	of workers	1	1	
		e	and the second	Used	No. of	Range	Avg.	as given in 2nd Schedule	Reference Method	being a	the location	1	Signature	
		Suspended Particulate Matter			sample	1.125	mg/M³	(mg/M ³)		Continuous Exposure	Short tents Exposure	Remark	taking Samples	(in hine festers)
	EXTRUSI	Respirable	02.03.2024		2	1.104	1.122	10.0		,		Below	1	-
WE	ON#I WEIGH	Particulate Matter		See Annexure-1	3	0.378	0.374	5.0	-	-	*	PEL	2	SUTEATRI AR
		Sulphur Dioxide	08:30 AM			0.357 0.018 0.023	0.019		See Annexure	3	*	Below PEL	Kentha	
		Nitrogen	04:30 PM	-	9.	0.017	0.019	5.0	.	,		Below	- 1	
		Dioxide			. /	0.038	1		-			PEL	0	
•	PEL - Permis	sible Exposure Li	mie		3	0.044	0.039	6.0		3		Below PEL	2	S. CHATTAR

For INDICATIVE CONSULTANT INDIA

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

Form No. - 30 Table No. - 3

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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: EXTRUSION #I MIXER FLOOR

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

Particular of Sampling

io	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument		rne Contar	pination	TWA Concentration	Reference	Number expended at	of workers the location	T	Signature	1			
-	_ EUROVERO		www.acoring	Used	No. of	Range	Avg.	as given in 2 rd Schedule	Method	being in	onitored	Remark	of purson	fin blo			
		Suspended Particulate Matter	Particulate	Particulate	Particulate			sumple	mg/M*	mg/M ²	(mg/M ³)		Exposure	Short term Expenses		Samples	Contract of
1.		THE RESERVE OF THE PARTY OF THE	02.03.2024		3	1.204	1.176	10.0				Below		Smil			
	EXTRUSI ON#1 MIXER	Respirable Particulate	02.03.2024			0.247				3	-	PEL	Top - Ki	SUTRAD			
		Matter		Sec	3.	0.265	0.263	5.0		1		Relaw		HAR			
	FLOOR	Sulphur	99:00 AM	Annexure-1		0.016			See			PEL					
		Dioxide 09:00 AM		3	0.021	0.017	7 5.0	Annexure-1	3		Below						
		Nitrogen Dioxide	100 AMB (2.072)			0.035			+			PEL	01				
	PEL - Permi	issible Expasure			3	0.040	0.036	6.0		3		Below PEL	> 1	SHATTA			

For, INDICATIVE CONSULTANT INDIA

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P 129

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

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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: EXTRUSION #1 COOLER FLOOR

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

St. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Instrument		ome Conta	mination	TWA Concentration	Reference	Number exposed at	of workers the location	1	Signature	T
-		6	- Transcaring	Used	No. of sample	Range mg/M ¹	Avg	as given in 2nd Schedule		Continuous	mittared	Remark	of person	Nam (in blo
		Suspended Particulate Matter				1.187	mg/M	(mg/M')	-	Exposure	Short term Exposure		Samples	fetten
		The second second second	03.03.2824		3	1.204	1.189	10.0		3		Below		J.S.
L	EXTRUSI ON #1	Respirable 02.03.2024 Particulate Matter	See	3	0.558 0.574 0.532	0.555	5.0			-	PEL Below	Farfalan Sir	T SETRADI AR	
ON#1 COOLER FLOOR	COOLER	Sulphur Dioxide	09:30 AM	Annexure-1	3	0.018 0.025	0.054		See Annexure-1			PEL		1770
			05:30 PM			0.021	0.021	5.0		3		Below PEL	-	
	PEL - Permis	Nitrogen Dioxide			3	0.037 0.042 0.039	0.039	6.0	1	3		Below PEL	S 1.	S

For, INDICATIVE CONSULTANT INDIA

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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

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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.

Name of the Department/Plant : Extrusion #2 Press FLOOR

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

ii.	Location / Operation Monnering	Identified Contaminant	Date & Time of Monatoring	Instrument	-	ome Conta	mination	TWA Concentration	Reference	Number of sproved at	of workers the location	1	Te	1	
		Suspended	- wantoning	Used	No. of sample	Range mg/M	Avg. mg/M	as given in 2 rd Schedule	Method	being m	Short term	Remark	Signanar of person taking		
		Particulate Matter	Particulate Matter			3	1.025		(mg/M ³)		Exposure Exposure			Samples	114112000
ш		The state of the s	04.03.2024			0.987	1.008	10.0		3		Below		Jak	
	EXTRUSI ON #2 PRESS	Particulate Matter		See Annexure-1	3	0.405 0.429 0.447	0.405 0.429 0.447 0.018 0.023 0.019 5.0	5.0		3		PEL Below	Topas You	T SUTRAD AR	
	FLOOR	Sulphur Dioxide			3	0.018		Sec Annexure-1			PEL Below				
		Dioxide 08:10	04:10 PM		- 1	0.023		5.0		3 .					
			22.551.554.554		1	0.037			-	-		PEL	0	4	
	FEL - Permi	anble Exposure I	land.			0.034	0.038	6.0		3		Below PEL	2	THATTAR AL	

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P 5/24

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Form No. - 30 Table No. - 6

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

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant: EXTRUSION #2 14MT. FLOOR

2. Raw materials, by-products and finished products: See Annexure-1 3. Particular of Sampling:

st. So	Location / Operation Monstoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airbo	rne Contac	nination	TWA Concentration	Reference	Number of exposed at	of workers the location	T	Signature	1					
		Suspended	Monitoring	Used	No. of sample	Range mg/M	Avg. mg/M ²	2 nd Schedule (mg/M ²)	Method	being m	Short term	Remark	of person taking	(in his					
		Particulate				1.487		(mg, sr)		Exposure	Exposure		Samples	Actions					
1.	EXTRUSIO N #2 14MT. FLOOR	Particulate	Respirable	04.03.2024		3	1.525	1.505	10.0		3		Below	Q	and.				
				Sec	3	0.687			- 1			PEL	Vopen No.	SETRADE					
		Matter			-	0,706	0.704	704 5.0	See	3	.	Below	VCI	AB					
	LOOK	Sulphur	08:40 AM	Annexure-1		0.021	- 32		Annexure-		PEL	- 1							
		Dioxide 083	to		3	0.027	0.022	5.0		3	+	Below							
		Nitrogen	04:40 PM	+	t	1	+	+	+		0.038			-	-		PEL	1	8
		Dioxide sible Exposure I.			3	0.044	0.040	6.0		3		Below PEL	5 1	HATTAR					

For, INDICATIVE CONSULTANT INDIA

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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. - 7

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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,

Name of the Department/Plant : FINISHING UNIT # 4

Raw materials, by-products and finished products: See Annexure-I

(1. (in)	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument		rne Cordar	mention	TWA Concentration as given in	Reference	Number exposed at	of workers the location	T	Signature	T
-		Suspended Particulate Matter	to the same of the	Used	No. of sample	Range mg/M	Avg. mg/M ³	2 st Schedule (mg/M)	Method	Continuous	Short term	Remark	of person taking	tin bloc
	FINISHING UNIT # 4				3	1.268 1.297	1.270	10.0		Exposure	Exposure		Samples	Tettors
		Respirable Particulate Matter	11.03.2024 te		3	0.647 0.694	0.671 5.0		3	*	Below PEL Below	Colore to	A'TI SUTRAFAI AR	
		Sulphur Dioxide		See Annexure-1	3	0.672 0.019 0.024	0.020		See Annexure-1	,	*	PEL. Below		AR
		Nitrogen Dioxide	05:30 PM	1	3	0.018 0.039 0.043	0.020		-	,	•	PEL.	0	
	PEL Permi	taible Espoaure L			-	0.036	0.039	6.0		3		Below PEL	7 .	BATTAR

For, INDICATIVE CONSULTANT INDIA

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

Form No. - 30

Table No. - 8

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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:

No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Airbo	ome Conta	mination	TWA Concentration	Reference	Number of exposed at	of workers the location	T	Signature	T
-			wiching	Used	No of sample	Range mg/M ³	Avg. mg/M*	as given in 2 nd Schedule	Method	Continuous	Short term	Remark	of person taking	(in blox
		Suspended Particulate				2.254	ingriet	(mg/M¹)		Exposure	Exposure		Samples	letters.
		Matter Respirable	04.03.2024		3	2.266	2.264	10.0		1		Below	10	Com
1.	BAKING BAKING RH 16 SHOP FLOOR	Respirable Particulate Matter	09:10 AM to	See	3	0.914 0.927 0.956	0.932	5.0	See	3		Below	TAPON K	SUTRADE AR
		Sulphur Dioxide		Annexure-	3	0.018 0.023 0.015	0.019		Annexure-	3		Below Ber		
	PEL - Permissii	Nitrogen Dioxide 05:10 PM		3	0.039 0.042 0.038	0.040	6.0	-	3		Below PEL	2	CHATTAR AJ	

For, INDICATIVE CONSULTANT INDIA

P 8/29

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

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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 24 (I) SHOP FLOOR

Raw materials, by-products and finished products: See Anneriae-1

3. Particular of Sampling:

10	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Instrument	-	ита Сопта	minution	TWA Concentration	Release	Number capouel e	of workers the location	1	Te	1
		n Matter	Transmitte stage	Used	No. of sample	Range mg/M ³	Avg.	as given in 2" Schedule	Method	Design	and the same of	1 Erman	Signate of person	
						2.255		(mg3r)	1	Expense	Short term Expenses		Sample:	1=
1_	BAKING RH 24 (I) SHOP FLOOR		04.03.2024		3	2.236	2.255	10,0		3		Beine	6	from.
			Particulate		See	3	1.138	1.159	.159 5.0				PEL	12-14-
		Sulphur	Particulate Matter	See Annexure-1	-	0.018			Ser	3	-	Below PEL	- 1	
		Dioxide	09:40 AM to		3	0.023	0.019	5.0	Annexure-)	. 1		Below	- 1	
		Nitrogen 05:40	05:40 PM			0.037	1		-			PEL	a 1	
- 1	PFI - Prom	Dioxide itsible Espanire I			3	0.044	0.039	6.0	- 1	3		Baine PEL	7F	CHATTAL N

For INDICATIVE CONSULTANT INDIA



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

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Form No. - 30 Table No. - 10

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

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. 1. Name of the Department/Plant : BAKING TUNNEL KILN SHOP

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

No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used		borne Cont.	enmataon	TWA Concentration	Reference	Number exposed at	of workers the location	_	1	_
		Suspended Particulate Matter Respirable Particulate		- CRG	No of sample	Range mg/M	Avg. mg/M	as given in 2nd Schedule	Method	being tr	onitored	Remod	Signaturi of person	
			06,03,2024		3	2.657 2.679		(mg/M ¹)	-	Exposure	Short term Exposure	1	Samples Samples	bloc letter
	BAKING		06,03,2024			2.592	2.643	10.0		3		Below	0	
1,	BAKING TUNNEL	Particulate Matter		See	3	1.654	1.672	5.0				PEL	1.7	SUTRA
	TUNNEL KILN SHOP	NNEL Sulphur	08:30 AM	Annexure-1		0.019	100		See Annexure-	3	1.70	PEL.	ref -	DHAR
			to 04:30 PM		3	0.026	0.022	5.0	Annexure-	1		Below		
					, [0.037				-	-	PEL		
	PEL - Permu	ssible Exposure I	00000		3	0.035	0.038	6.0		1		Below	6 10	HATT

For, INDICATIVE CONSULTANT INDIA

Authorized P 10/20

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

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Form No. - 30 Table No. - 11

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

No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airb	ome Conta	nvination	TWA Concentration	1	Number	of workers	T	1	,	
		Suspended	Monitoring	Used	No. of sample	Range mp3d	Avg.	as given in 2" Schedule (mg/M*)	Reference Method	being in	the incation ontown!	Virginia		Sam 120 ton	
		Particulate Matter Respirable	06.03.2024		3	2.668 2.674	2.676			Exposure	Equipme		Sample	lean	
	PITCH	Particulate	Particulate	06.03,2024			2.685		10.0		3	14	Below		(4)
1.	IMPREGNA TION UNIT	GNA Particulate Matter	A Particulate Matter		See	3	1.237 1.245 1.216	1.233	5.0				PEI Beiow	1740-	NAME AND ADDRESS OF THE PARTY.
	# 2 SHOP	Sulphur Dioxide	99:00 AM	Annexure-		0.01E	3 0.019		Ser Innexum-	3	- 1	PEZ.			
	*28HOP	Ministre	to		3.			3.0	7			Zeine	- 1		
		Nitrogen Dioxide Dioxide	93599 PM	1		0.038	-	-	-	3	-	PEZ	- 1		
-	PEL Permine			3	0.043	0.039	6.0	- 1	. 1		Editor	0	District N		

FOR INDICATIVE CONSILIANT INDICA



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 Moh - 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 # 3 SHOP

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

3. Particular of Sampling :

10	Operation / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airbo	orne Contan	teration	TWA Concentration	Reference	Number exposed at	of morkers the location		Stenamos	. 1
1	1-1110		Monitoring	Used	No of sample	Range mg/M	Avg	as given in 2 st Schedule	Method	Continuous	Shurt term	Kemas	of person	
		Suspended Particulate				2.136	mg/M*	(mg/M*)		Expense	Exposure		Samples	Atten
		Matter	06.03.2024		3	2.157	2.145	10.0		4		Below		Sign
	PITCH	Respirable Particulate				0.987			-			PEL	N and N	SUTRAIN
1,	IMPREGN	Matter		See	3	0.949	0.970	5.0	See	3		Below	307	AR
	PITCH IMPREGN ATION UNIT#3	Sulphur	09:30 AM	Annexure -1		0.018	And the second s		Annexure		PEL			
	SHOP	Dioxide	Dioxide to		3	0.023	0.019	THE CONTRACT OF THE CONTRACT O	"	3		Below PEL	100	
		Nitrogen Dioxide	05:30 PM		,	0.033 0.044	0.038		-	-			7	S. CHATTAR
-	EL Permusible	Exposure Limit			3	0.037	0.036	6.0	- 1	3	4	Below PEL	3	AJ

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P 12/20

1899. Link Road, Hanndeypor, Khanjarchak Huidia, Parin Medicipus, 721602 Court Rage No.-L-64871, MSME Reg. No.: WB-12-0000228

Ph 117274-275743 Manh - WELLS / TENZ Form No. - 30 e-mail Japantararkard Agencyl com-Table No. - 13 indicative constitution in the segment com-

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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. Name of the Department/Plant : BAKING RH # 24 (III)

Raw materials, by-products and finished products : See Americe /

	Alternation Ministrates	Ministrat Consistent	Dete & Time of Managering	Sampling Introduce Elled	Presentation	rbereis Cons	PERMIT	TWA Concentration	T	Numb	or of workers	-		
		Suspended			Nit sif	Range mg/M	Avg. mg/st*	ar province.	Ratinous Method	Name of Street	or the frequent months of		Signature of person	1 24
		Porticulate Matter			,	2.158 2.122	2.140	(Ingestati)	-	Continue Exposur	Most level Expenses	Persos	Satisfy National	lin to
		Hargeratch Particulate	98.03.2024	See Annexure-1	-	2.139		10.8		1 3		Relove		Sint
*	BARING BH # 24 (HI)	Particulare Marter			3	0.947	0.932	5.0				PEL	Top "	THOT RALL
	BARINA, 838 # 24 (201)	Tridphur Dinnida	99:00 AM		-	0.918	7	160	Ser	3	- 1	Below PEL	-	Ting
			to		3	0.022	0.018	5.0	Annexure-1			**	- 1	
		Nitrogun Ditraide	05:00 PM	1		0.030	-		1	3		Helaw PLL	7)	
-	PEL Permi	rothir Espeniere I			3	0.037	0.033	6.0		. [Betone	× 1.	SATTA KAJ

For INDICATIVE CONSULTANT INDIA

Authorized bornat

P.11/2

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

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Form No. - 30 Table No. - 14

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.

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

No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Air	borne Conta	mination	TWA Concentration	1	Number	of workers			
		Suspended Particulate Matter	The same of the sa	Used	No of sample	Range mg/M	Avg me/M	as grace in 2 nd Schedule	Reference Method	being r	the location conserval	Remork	of perso	
		Particulate	07.03.2024		3	2.437 2.496	2.426	(mg/M*)		Exposure	Short term Expensive	_	Sung/cs	Areta
- 4		Respirable Particulate	07.03.2024			2.344	2.720	10.0		3 1		Below		1-1
1	LWG#3		40.00	See	3	1.169 1.187 1.153	1.170	5.0	1			PEL Below	TAP	SUM
	LWG#3 SHOP	Sulphur	08:00 AM	Annexure-1		0.017	-	479	See	3 -		PEL	- 1	
		Sulphur Dioxide	Sulphur		3	0.023 0.016	0.019	5.0	Annexure-1	3	. 1	Below		
		Nitrogen	- 11500 - 315	1		0.033			F			PEL	1	
	• PEL - Pen	Dioxide missible Esposure			3	0.041	0.035	6.0	- 1	3	.	Below PEL	>	ARAF

For INDICATIVE CONSULTANT INDIA



P 14/29

THE RESIDENCE OF THE PERSON

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

Ph. 03224-273760 Moh - 94340 17584 c-mail: jayantararkarti7 s.com/.com indicative consultors indicate grand com-

Form No. - 30 Table No. - 15

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 : LWG # 4 SHOP

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

Particular of Sampling:

0	Dention / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Atr	borne Corea	mount	TWA Concentration	Retirence		of workers the location	T	Topone	. 1		
1	Total maring		Monitoring	Used	No of nample	Range mg/M	Asg mgM'	2" Schedule (mg/M*)	Method		Short term	Remark	of passing falling	No.		
- 1		Suspended				1.958		100.71		Exposure	Exposure		Serptra	1 -		
1		Particulate Matter	07.03.2024		3	1.922	1.949	10.0		3		Below PEL	128	50772		
1	LWG#4 SHOP	LECTRONIAN AND AND ADDRESS.	Respirable Particulate Matter HOP Sulphur	Respirable Particulate Matter Sulphur Dioxide	100000	Sec	3	0.855 0.869 0.741	0.822	5.0	5	3		Below PEL	(F)	SUTRADI AR
	SHOP				08:30 AM 10	Annexure-1	3	0.016 0.019 0.013		See Annexure-1	3	- 1	Briow PEL	-		
		Nitrogen Dioxide	04:30 PM		3	0.038 0.045 0.036	0.040	6.0		,		Science PEL	5	SIATTAR AJ		

For, INDICATIVE CONSULTANT INDIA



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

Form No. - 30 Table No. - 16

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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

in	Location / Operation Monaging	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	An	frome Conta	mination	TWA Concentration	1	Number	of workers	_		
		Common d. 1	, terranang	Used	No of sample	Range mg/M	Avg	Al given in 2 rd Schedule	Reference Method	DOME OF	the location ionstored	Konwk	Signatury of person	
		Suspended Particulate Matter	07.03,2024		1	1.687	1.651	(mg/M ²)		Continuous Exposure	Short term Exposure	ALIANK	Samples	far hi fatte
	- A 444	Respirable	0.103,2024			1.624	1.001	10.0		3		Below	1	wat.
1.	LWG#5 SHOP	Particulate Matter		See	3	0.678	0.698	5.0					909	SUTHADI
		Sulphur	09:00 AM	Annexure-1		0.703			See	3	.	PEL PEL	1	AR
		Dinxide	05:00 PM		3	0.025	0.021	5.0	Annexure-1			Below		
		Nitrogen Dioxide			. 1	0.039			+			PEL	- 1	
	• PEI - Per	nisxible Exposure		4 - 4	3	0.041	0.042	6.0	- 1			licione	7 1	. 1

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P 16:29

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

Ph: 03224-275783 Moh - 94340 17584

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Form No. - 30 Table No. - 17

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

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(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:

THE RESERVE OF THE PARTY OF THE

SI.	Location / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airb	orne Conta	mination	TWA Concentration	Reference	Number Expensed at	of workers the location	1	T	-
-			Monitoring	Used	No. of	Range	Avg.	avgiven in 2 rd Schedule	Method	being m	onstored	Remark	Ngaatari of person	No.
		Suspended			sample	mg/M³ 2.278	mg/M*	(mg/M ¹)	1	Exposury	Short term Exposure		Samples	Sin Neural Betterni
		Particulate Matter	07.03.2024		3	2.296	2.296	10.0		3		Relew		Can
1.	FINISHING #1 SHOP	Respirable Particulate Matter		See	3	1.169 1.187 1.152	1.169	5.0		3		PEL Below	(m) look y	NUMBERON AND AND AND AND AND AND AND AND AND AN
	FLOOR	Sulphur Dioxide	09:30 AM to 05:30 PM	Annexure-1	3	0.020 0.027 0.019	0.022	5.0	See Annexure-1	3		PEL Relow PEL	-	
	PEL Perm	Nitrogen Dioxide	ustau PM		3	0.035 0.042 0.036	0.038	6.0	İ	3		Below PEL	1	HATTAR AJ

For, INDICATIVE CONSULTANT INDIA



P 1 20

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

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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 # 2 SHOP FLOOR

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

d.	Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Instrument	Airt	warne Conts	unination	Concentration	T	Number	of workers	_		
		Suspended	The second stage	Listd	No. of sample	THE COMMERCE	Avg.	2 st Schedule (mg/M ²)	Method Method	Figures at	Mor hierartical manifested	Remark	Migrania M person	None
		Particulate Matter	13.03.2024		3	2.304	2.325	10.0		Lapaner	Stitled term Exponent		febreg Nemples	Site Mines
	10.000 10.000	Respirable				1.441		10.0		1	- 1	Helew PEL		This !
	FINISHING #2 SHOP	Particulate Matter		See	3	1.426	1.425	5.0				-	inter "	NITE SE
-	FLOOR	Sulphur Dioxide	10:00 AM	Annexure-1	3	0.018	0.020		See Annexure-1	3	-	PEE.	1	TOUR
			06:00 PM	-	3	0.019	0.020	5.0	NAME OF TAXABLE PARTY.	1	2:	Retow	1	- 1
		Nitrogen Dioxide			. 1	0.037			-	-		Pt1	9/	
	PEL - Permis	sible Exposure Li	mut		3	0.035	0.038	6.0		3	. 1	triow PEL	2 /	BALTA

For INDICATIVE CONSULTANT INDIA



P 18:24

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

Ph. 03224-275765 Moh - 94340 12584

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Form No. - 30 Table No. - 19

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

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(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

it.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	No. of	irne Contan		TWA Concentration as given in	Reference	Exposed a	of workers the location	1	Signature	T
10		Suspended		70.87	sample	Range mg/M	mg/M'	2" Schedule (mg/M')	Method	Continues	Short term	Remark		tin block
		Particulate Matter	08.03.2024		3	2.784 2.852 2.743	2.793	10.0		Exposure	Exposure	Below	Samples	tetteess
1	FINISHING	Respirable Particulate			1	1.235	1.255		}	3		PEI	Terperon W	SUTHADA
	#3 SHOP	Matter	00.20	See Annexure-	,	1.257	11233	5.0	See	3		Below	"	AR
	FLOOR	Sulphur Dioxide	08:20 AM	1	3	0.018 0.023 0.017	0.019	5.0	Annexure-	3	-	Below		
		Nitrogen Dioxide	04:20 PM		3	0.031 0.043 0.033	0.036	6.0	F	3	-	Below PEL	S CH	ATTAIR ATT



P 1020

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

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Table No. - 20

Form No. - 30

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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: GRAPHITE FINES SCREENING SHOP

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

SI. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Air	borne Conta	noiteation	TWA Concentration	1	Number	of workers	-	_	
		Successful	woninting	Used	No. of sample	The state of the s	Avg.	as given in 2** Schedule	Reference Method	being it	the location	Remark	Signatu of perior	a / Name
		Suspended Particulate Matter	08.03.2024		3	3.187 3.175	3.188	(mg/M')		Exposure	Short term Exposure	-	Samples	-
1.	GRAPHITE	Respirable Particulate			,	3.203 1.628 1.602	1.603			J	•	Relaw PEL	opin k	SITIEND
	FINES	Matter	08:40 AM	See Annexure-1		1.578		5,0	See	3		Beliew PEL		flas
	SCREENIN G SHOP	Sulphur Dioxide	to	Anne.une-1	3	0.018 0.029 0.017	0.021	5.0	Annexure-1	3	.	Below PEL	_	
		Nitrogen Dioxide	04:40 PM		3	0.035 0.042 0.034	0.037	6.0	t	3		Betow PEL	7-10	HATTA RU



P 25529

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

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

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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 AREA)

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

10	Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	-	borne Cont.	amination	TWA Concentration	T	Number	of workers			
		Suspended Particulate		Lista	No. of sumple	mg/M²	mg/M*	2" Schedule (mg/M²)	Reference Method	a special a	the location ionitored Short term	Remark	Signature of person toking	lin bi
ı		Matter Respirable	08.03.2024		3	1.196	1.179	10.6			Exposure	1 1	Samples	Arties
	CANTEEN (KITCHE	Particulate Matter		See	3	0.678 0.696 0.651	0.675	5.0		-	-	Below PEL	- W	SUTTAN
ı	N AREA)	Sulphur Dioxide	09:20 AM	Annexure-1	3	0.018 0.023	0.019		See Annexure-1	3	-	Below PEL	San]	AUI
ı		Nitrogen	05:20 PM	+		0.017	-	5.0		3		Below PEL	_	
	PEL - Parmi	Dioxide exible Exposure L			3	0.043 0.037	0.039	6.0		3	1	PEL S	LCH.	S. STAN

Form No. - 30

Table No. - 21

For INDICATIVE CONSULTANT INDIA



P. 33.29

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

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

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Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

Name of the Department/Plant: RH - 24 (II)

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

Particular of Sampling :

NL.	Literation / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airte	ene Conta	mination	Concentration	Reference	Number : exposed at	d workers the location	T	Session	
			Monitoring	Used	No. of xample	Range mg/M ¹	Avg.	2" Schedule	Method	Continues	Short term	Remork	of person	Circ Billion
		Suspended				1.328	1 100	(mg/M²)	-	Esposare	Exposure		Samples	Jemesi
		Particulate Matter	13.03.2024		3	1.315	1,327	10.0		3		Below PEL	-	and or
1.	RH - 24	Respirable Particulate Matter		See	3	0.747 0.785 0.753	0.762	5.0	See	3	+	3 11 (1)	Talpa L	SUTRAIN AR
	(II)	Sulphur Dioxide	09:40 AM to	Annesure-1	3	0.017 0.022 0.015	0.018	5.0	Annexure-1	3		Below PEL	_	
		Nitrogen Diuxide	05:40 PM		3	0.032 0.042 0.034	0.036	6.0	t	3	- 1	Bolow FEL	> 1	HATTAN

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P.23/29

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

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Form No. - 30 Table No. - 23

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

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : PITCH IMPREGNATION UNIT # 4

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

Particular of Sampling:

NL. No	Location / Operation Manitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airbo	orne Contar	nination	TWA Concentration as given in	Reference	esposed at	of workers the location		Signatur	
-	Stantoring		Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ²)	Method	Continuous	Short term	Remark	of person taking	fin blo
	PITCH IMPREGNATI ON UNIT #4	Suspended Particulate Matter	12.03.2024		3	2.645 2.687 2.673	2.668	10.0		Exposure	Exposure	Below PEL	Samples	Sm
1.		Respirable Particulate Matter		See	3	1.257 1.293 1.275	1.275	5.0	See	3		Below PEL	Tapon	SUTRADI AR
		Sulphur Dioxide	08:30 AM to	Annexure-I	3	0.016 0.022 0.015	810.0	5.0	Annexure-1	3		Betwee PEL	\neg	
		Nitrogen Dioxide	04:30 PM		3	0.035 0.042 0.038	0.038	6.0	İ	3		Below PEL	In !	S CHATTAR AU

PEL Permissible Expanse Limit

For, INDICATIVE CONSULTANT INDIA



P 21/29

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

Ph : 03224-275763 Mah - 94340 17584

Form No. - 30 Table No. - 24

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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 UNIT # 4 AUTO DUST BAGGING AREA (DURING BAGGING)

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

St. No	Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Instrument	Airb	orne Conta	mination	TWA Concentration	No.	Number	of workers the location	1		
7			Cromtoring	Used	Nn. of sample	Range		2" Schedule	Reference Method	Dring in	onitory	Remark	Signature of person	Nam
		Suspended Particulate			- Caralline	3,705	log/M²	(Aug/M ²)		Expenses	Short term Exponer		Isking Samples	Settlers
	H. Warren	Matter	12.03.2024		3	3.747	3.725	10.0			7	Below	100000000000000000000000000000000000000	-
	LWG UNIT #4	Respirable Particulate	1			1.797				31	.	PEL	1 .8	last.
E	AUTO DUST BAGGING	Matter		See	3	1.806	1.805	5.0		1		Relaw	(AFILIA	SUTERAD SLAR
	AREA (DURING	Sulphur	09:00 AM	Annexure-1	100	0.018	100		See Annexure-1	1	7	PEL		
	BAGGING)	Dioxide	to		3	0.023	0.018	3.0	Annetary.		1	Below	1	
		Nitrogen	05:00 PM			0.038			1		-	PEL	-1	
	PEL - Peru	Dioxide sixuble Exposure L			3	0.043	0.039	6.0	- 1	a		Relew PEL	2/1	HATTA RAJ

For INDICATIVE CONSULTANT INDIA

P 24:20

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/

Form No. - 30

Table No. - 25

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

3. Particular of Sampling:

SI. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airbe	ene Cantan	nination	TWA Concentration	Reference	Number of	of workers the focation	T	Signature	1
			Monitoring	Used	No. of sample	Range	Avg.	As given in 2" Schedule	Method	Continuous	onitored	Remark	of person	Name (in bloc
		Suspended			xample	3.295	mg/M¹	(mg/M²)		Exposure	Short term Exposure		Samples	letters
		Particulate Matter	12.03.2024		3	3.341	3.319	10.0		3		Below		you
1	STORE SHOP	Respirable Particulate Matter	/ NO. 10 / 10 / 10 / 10 / 10 / 10 / 10 / 10	See	3	2.157 2.193 2.146	2.165	5.0		3		400,400,00	Xo.	SUTRADI AR
	FLOOR	Sulphur Dioxide	09:30 AM to	Annexure-1	3	0.016 0.026 0.013	0.018	5.0	See Annexure-1	3		Below BEL		
		Nitrogen Dioxide	05:30 PM		3	0.032 0.042 0.030	0.035	6.0	f	3		Below PEL	2	S. HATTAR

For, INDICATIVE CONSULTANT INDIA

Parbati Authorize

P 25/20

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

Ph 03224-275785 Mob - 94340 17584

Form No. - 30 Table No. - 26 e-mail: Joyanian when a small com indicative consideration a great con-

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

st.	Location / Operation Monitoring	Identified Contaminant	Date & Time of	Instrument	Airb	orne Conta	mination	TWA Concentration		Number	of workers	_		
			Monitoring	Used	No. of sample	Range mg/M	Avg	2 nd Schedule	Reference Method	bring m	the location mitored	Remark	Segnature of person	Nam
		Suspended Particulate			3	3.168	mg/M'	(mg/M²)		Continuous Exposure	Short term Exposure		laking Samples	in his
		Matter Respirable	11.03.2024		,	3.136	3.153	10.0		3		Believe		MAN
D.	MAINTANA NCE SHOP	Particulate Matter		See	3	1.426	1.429	5.0			-	PEL	Topson K	SUTRAD
10	FLOOR	Sulphur	08:30 AM	Annexure-1		0.015			See Annexure-1	3	*	Below PEL		
		Dioxide	04:30 PM	1	3	0.023	0.017	5.0	- типелител	,	-	Below		
		Nitrogen Dioxide	04.50 (4)		3	0.037	0.020		+			PEL	71	
	PEL Permiss	thle Exposure Lin				0.035	0.039	6.0		3	. 1	Below PEL	21	HATTAR

For, INDICATIVE CONSULTANT INDIA



P 26/20

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. - 27

Ph. 03224-275763 Moh - 92349 17584

e-mail journmarks 67 agreed are ordicanvecentshipsenning desert 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)

19	Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument	Airb	orne Conta	mination	TWA Concentration	Reference	Number	of workers	T-	1	_
		Suspended		Used	No. of sample	Range mg/M ²	Avg. mg/M ²	as given in 2 rd Schedule	Method	being m	the location onitored	Remark	Signature of person	/ Na
	Liveran	Particulate Matter	11.03.2024		3	3.732 3.775	3.750	(mg/Nf ²)		Exposure	Short term Exposure		faking Samples	fin to
	AUTO	Respirable	11110012024			3.743		10.0	li v	3	-	Below		. 5
I.	BAGGING .	Particulate Matter		See	3	2.056 2.098 2.074	2.076	5.0		,		Below	[apom	T SUTRAI HAR
	(DURING	Sulphur Dioxide	09:00 AM	Annexure-1	3	0.016	0.018		See Annexure-1		-	PEL	1	19799
- 1	BAGGING)	0101710075	05:00 PM			0.015	STP X C	5.0		3		Below	_	
		Nitrogen Dioxide	02.00 7 (1)		3	0.035 0.040 0.033	0.036	6.0	1	+	-	PEL Below	21	S SATTA

For, INDICATIVE CONSULTANT INDIA

P 27/29

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

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

Ph. 03224-275765 Moh - 94340 17384

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 : GRAPHITE ACHESON SHOP

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

Particular of Sampling:

+	Monitoring		Monitoring Contamina	Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airb	erne Conta	mination	TWA Concentration	Reference	Number exposed at	of workers the location	T	1.	
	- Allica Allica	Sharana	Monitoring	Used	No. of sample	Range mg/M	Avg.	as given in 2 nd Schedule	Method	Continuous	onitorni	Remark	Signat	on Name			
		Suspended Particulate Matter	06.03.2024		3	3.225 3.287 3.253	3.255	(mg/M²)		Exposure	Short term Exposure	Below	Sample	100000000000000000000000000000000000000			
G	GRAPHITE ACHESON SHOP	RAPHITE Respirable Particulate Matter	CHESON -	Respirable Particulate Matter		See	3	1.901 1.874 1.863	1.879	5.0		1	-	Below PEL	[Hom	SUTRAD- HAR	
		Sulphur Dioxide	10:00 AM to	Annexure-I	3	0.015 0.023 0.019	0.019	5.0	See Annexure-1	3	- 1	Relow PEL					
		Nitrogen Dioxide	06:00 PM		3	0.036 0.043 0.034	0.038	6.0		1		Below PEL	CH.	CHAITA RAJ			

Form No. - 30

Table No. - 28

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: jayantasarkar6 a gmail com indicativeconsultantindia a gmad com

Form No. - 30 Table No. - 29

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

Particular of Sampling:

L in	Location / Operation Monitoring	Identified Contaminant	Date & Time of	Sampling Instrument	Airb	orne Conta	minution	TWA Concentration	Reference	exposed at	of wurkers the location	7	Signature	T	
-			Monitoring	Used	No. of sample	Range mg/M	Avg.	2 nd Schedule (mg/M²)	Method	Continuous	Short term	Remark	of person taking	(in ble	
1	BAKING RH - 14 SHOP	Suspended Particulate Matter Respirable	Particulate Matter Respirable	13.03.2024		3	3.652 3.617 3.633	3.634	10.0		З	Exposure	Below PEL	1.4	Synt
1.		Respirable Particulate Matter		See Annexure-I	3	1.985 1.947 1.839	1.924	5.0	Sec	3		Below PEL	Inform)	SUTRAD HAIR	
		Sulphur Dioxide	09:00 AM to		3	0.015 0.022 0.013	0.017	5.0	Sec Annexure-1	3		Below PEL	- /		
		Nitrogen Dioxide	05:00 PM		3	0.037 0.043 0.032	0.037	60		3		Telone PEL		S AITA EAJ	

For, INDICATIVE CONSULTANT INDIA

Parbati Go Authorized Si

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

e-mail javantasarkar67/a gmail com/ indicative consultantinda a gmail com Ph. 83224-273765 Mode - \$4340 17284

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	used and	Daniel Da	T	1
	Methyl Alcohol			2 nd Schedule (mg/M ³)	Reference method	e cmark	Signature	(in block letter
	(as CH ₃ OH)	000000000000000000000000000000000000000	<0,1	260		-		I
BAKING	Ethyl Alcohol (as C ₂ H ₂ OH)	08.03.2024	<0.1	1900		Below PEL	m	4
RH#24 (III)	Formic Acid		< 0.05			Below PEL	(M)	BHATTACHARYA
30000	(as HCOOH)	09:00 AM	1010,7	9	See Annexure-1	Below PEL	1	
	Benzene (as C ₆ H ₆)	05:00 PM	< 0.05	20	Autocxure-1		01	
	Toluene (as C ₄ H ₃ CH ₃) le Exposure Limit.	Ī	< 0.05	375	F	Below PEL Below PEL	Sn 1	ETHATTARAJ

For, INDICATIVE CONSULTANT INDIA

Authorized

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. - 2

Ph : 03224- 275765

M/s. GRAPHITE INDIA LTD.

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

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

Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	Concentration as given in	used and	Remark	T	T
	Methyl Alcohol (as CH:OH)			2 rd Schedule (mg/M ³)	Reference method	Simona	Signature	(in block letter
	Ethyl Alcohol		<0.1	260		Balan tree	1	
RIED IAMMER 24 (I)	(as C ₂ H ₃ OH)		<0.1	1900		Below PEL	Other	A A
	Formic Acid					Below PEL	Dan	BHATTACHARYA
	(as HCOOH)	09:40 AM	<0.05	9	See	Below PEL		
SECTION SHOP	Benzene (as C _s H ₆)	09:40 AM to 05:40 PM	< 0.05	20	Annexure-1		_	S. CHAITARAU
	Toluene (as C.H.CH.)		<0.05	375	1	Below PEL Below PEL	81	

For, INDICATIVE CONSULTANT INDIA

Parbati G Authorized Sign

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

Form No. - 30

Table No. - 3

Ph 03224- 275765 e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindus@gmail.com/ Mob. - 94340 17584

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	Identified	Date & Time		TWA	Sampling	-		
monitoring	contaminants	of Monitoring	Air Contaminants	Concentration as given in Factory's Act 2" Schedule (mg/M)	Instrument used and Reference	Remark	Signature	Name
	Methyl Alcohol		2000		method			(in black fetters
BAKING TUNNEL	(as CH ₅ OH)		<0.1	260		Below PEL		
	Ethyl Alcohol (as C ₂ H ₂ OH)	06.03.2024	<0.1	1900			Wahn	A
	Formic Acid		< 0.05		See	Relaw PEL	1	BHATTACHARYA
10 C C C C C C C C C C C C C C C C C C C	(as HCOOH)	08:30 AM		9	Annexure-1	Below PEL	- 1	
KILN	Benzene (as C _a H _a)	04:30 PM	< 0.05	20	1	Relove PEL	01	
	Toluene (as C ₆ H ₅ CH ₁) Exposure Limit.		<0.05	375	1	Below PEL	SI	CHATTARAL

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 Gost Regn.No.-L-64871, MSMI: Reg. No.: WB-12-0000228 Form No. - 30

Table No. - 4

Ph 93224 77503

M/s. GRAPHITE INDIA LTD. e-mail jayantasarkar67/azmail.com/ indicativeconsidureindu/azmail.com/ Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal March - 94349 17584

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 Contammants	TWA Concentration as given in Factory's Act	Sampling Instrument used and		1	T-	
	Methyl Alcohol (as CH ₂ OH)			2" Schedule (mg/M")	Reference method	Remark	Signature	Name (in block letters	
P.I. UNIT -	Ethyl Alcohol	06.03.2024	<0.1	260		Below PEL			
	(as C ₂ H ₃ OH)		<0.1	1900			Dm 1	A	
	Formic Acid (as HCOOH)		< 0.05	9	See	Below PEL	Jenn-	BHATTACHARYA	
	Benzene	09:00 AM	1000	9	Annexure-1	Below PEL	- 1		
	(as C _s H ₆)	05:00 PM	< 0.05	20		Ratus neu		1	
	Toluene (as C ₄ H ₅ CH ₅) Exposure Limit.		< 0.05	375	1	Below PEL Below PEL	8-1	CHATTARAL	

For, INDICATIVE CONSULTANT INDIA

Authorized Si

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 Grovt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228 Form No. - 30

Table No. - 5

Ph. 03224- 275765 Mob - 94340 17584

e-mail joyantasarkar67@ 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

Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	Concentration as given in Factory's Act	Sampling Instrument used and	1	T	T
	Methyl Alcohol			(mg/M²)	Reference method	Remark	Signature	Name (in block letters
	(as CH ₂ OH) Ethyl Alcohol	06.03.2024	<0.1	260		Relow PEL	-	
ACHESON FURNACE SHOP	(as C ₂ H ₃ OH)		<0.1	1900			1.11	
	Formic Acid (as HCOOH)		< 0.05	9	See	Below PEL	Jahns-	BHATTACHARYA
	Benzene	10:00 AM to	<0.05		Annexure-1	Below PEL	-	
	(as C ₆ H ₆) Toluene	06:00 PM	\0.05	20		Below PEL	1	1
	(as C ₅ H ₅ CH ₃) Exposure Limit.	00.001.11	< 0.05	375	1	Below PEL	8	CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

Parbati Authorized S

P.50

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 Form No. - 30

Table No. - 6

Ph. 03224-275768

e-mail - Jayantasarkar6?@gmail.com/ indicativeconsultantindia@gmail.com/ Mob - 94340 17384

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

Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given		T	1	T
	Methyl Alcohol			in Factory's Act 256 Schedule (mg/M*)	used and Reference method	Remark	Signature	Name (in block letters
	(as CH ₃ OH)		< 0.1	260		-		THE CHECK SETTINGS
	Ethyl Alcohol (as C ₂ H ₃ OH)	07.03.2024	<0.1	1900		Below PEL		
.WG - 4	Formic Acid					Below PEL	18hm	BHATTACHARY
SHOP	(as HCOOH)	08:30 AM	< 0.05	9	See		- Quantity	A
	Benzene (as C ₆ H ₆)	04-30 PAT	< 0.05		Annexure-1	Below PEL	1	
1	Toluene	04:30 PM		20	1	Below PEL	0 1	
	(as C ₆ H ₅ CH ₅) le Exposure Limit.		< 0.05	375	T-	Below PEL	de l	CHATTARAJ /

For INDICATIVE CONSULTANT INDIA

Parbati G Authorized Signs

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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

- LILLE TO LEGGE

Ph - 03224-275765 Mob. - 94340 17584

e-mail jayantasarkar67 a gmail com indicative consultantindia a great con

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

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

Height from the floor: 1.5 M

d. lo	Location	Parameter	Date of	Starting	Sampling	Sound		1	T	1	Distance fre	on the Maci	ine - 7 // /
		- manager	Monitoring	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	of person	Name i block
						84.2					exposed	taking sample	letters
						85.6			1		1	1-1	CALL.
l. C	EXTRUSI ON #1	Noise level	07.03.2024	02:40 PM	Annexure- 1	82.8	84.1	. 1	Exposure Limit for		1	Par II	SUTRAD HAR
	MIXER FLOOR	Monitoring				83.8	04.7	8 turs.	Industrial workers	Annexure-1	3	1	To the same
						85.0	1	- 1	(8 hrx) = 90 dB(4)	- 1	- 1		- 1
					-	83,9					10		S. HAYTA RAV

For INDICATIVE CONSULTANT INDIA

Authorized \$

P 1.28

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

Ph-03224-275763 Moh - 94346 17584

Form No. - 30 Table No. - 2

e-mail jayantmarkers a great com indicative consultanimals a great con-

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

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

Height from the floor: 1.5 M

St. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference	Distance I	Signature of person	hine: 3.0
1.	EXTRUSI ON#I WEIGH FLOOR	Noise level Monitoring	07.03.2024	03:15 PM	Annexure-1	83.8 82.2 86.4 85.1 84.2 86.1 85.9 84.2 82.1 83.6	84.4	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Method Annexure-	Persons exposed	taking sample	block letters

For, INDICATIVE CONSULTANT INDIA

Parbuti Authorized Sign DOMESTIC THE PROPERTY.

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

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

Form No. - 30 Table No. - 3

Ph-03224-375765 Moh - 94340 17584

Hall Hall Britain

e-mail jayantasarkur67a gmail com indicative consultantindia a great com

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

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

No.	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time		Reference	Distance from the M	Maria Control of the
	EXTRUST ON #1 COOLER	Noise level				84.1 85.6 83.9 82.2				Method	Persons taking sample	Name block letters
	FLOOR	Monitoring	07.03.2024	04:30 PM	Annexure-1	84.8 85.0 84.2 86.1 85.1	84.5	8 hrs.	Exposure Limit for Industria / workers (8 hrs.) = 90 dB(A)	Annexues- 1	3 / Inform	SUTRAD HAR



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

Ph-03224-275785 Mah = 94340 17584

Form No. - 30

Table No. -4

e-mail javantasarkarh la gmail conindicativeconsultantindus à 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

SL No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Distance Number of Persons	Signature of person taking	Name it block
1.	EXTRUSI ON #I PRESS FLOOR	Noise level Monitoring	07.03.2024	03:55 PM	Annexure- J	81.2 79.6 82.3 83.4 81.0 84.1 85.6 83.8 84.0 85.1	83.0	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	exposed 3	Q /	SUTRADII AR

For INDICATIVE CONSULTANT INDIA

Parbati fie Authorized Sig

and the telestical for INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602 Govt Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Ph - 03224-275765 Muh - 94340 17584

e-mail jayantasarkar6?/agmail.com indicative consultant india a small com

Form No. - 30 Table No. -5

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

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Height from the floor: 1.5 M

No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading			Reference	Distance fi	- Summer	1
						82.9 84.6		1 mile		Method	Persons exposed	of person taking sample	block letters
E	EXTRUSI ON #2 PRESS FLOOR	Noise level Monitoring	11.03.2024	02:10 PM	Annexure- I	85.2 83.8 83.0 84.1 82.8	83.7	8 hrs.	HOFKETS	Annexure- 1	3	100	SUTRAD HAR
					F	83.6 83.1 84.2			(8 hrs.) = 90 dB(A)		18	n la	S IATTA

For, INDICATIVE CONSULTANT INDIA

Parbati Go Authorized Sig

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THE PERSON OF THE PARTY.

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

Form No. - 30

Table No. - 6

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Mot - 96340 17384 email popularization part com

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

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Height from the floor: 1.5 M

SL So	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Tota Time		Reference	of	of non-	achine : 3.0 M
1.	EXTRUSI ON #2 14 METER FLOOR	Noise level Monitoring	11.03,2024	02:50 PM	Annexure-1	82.8 84.6 83.9 84.4 83.8 82.6 84.0 83.8 84.1 84.6	83.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Method Annexure-	Persons exposed	taking sample	block lotters I. SUTRAINI AR STATTAR
									Fo	Parbuti Authorized		ANT INDIA	



INDICATIVE CONSULTANT INDIA 1419. Link Road, Basudevpur, Khanjanehak

Haldia, Purba Medinipur-721602

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

Ph - 03224-275763 Mob - 94340 17584

e-mail. javantasarkar6 a gmail com indicativecumuliantindica grand com

Form No. - 30

Table No. - 7

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

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

No.	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument	Sound Level	Averag	e Tota			Distanc	e from the M	achine :
				-	Use	dB(A)	Reading	Tim		Reference Method	Number of Persons	of person	Name
	BAKIN G RH - 24 (HI) SHOP FLOOR	Noise level Monitoring	11.03.2024	12:10 PM	Annexure- J	84.6 82.2 85.2	84,7	S hrs.	Expanse Limit for Industria I workers (8 km.) = 90 dB(A)	tanexure- I	3	sample	block letters SUTRADIII AR



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

Form No. - 30 Table No. - 8

Ph - 03274-273763 Moh - 94540 17581

e-mail jarantararkar6? regmail = = indicative consultantindia a great 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

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		Name in block
i.	BAKING RH- 14 SECTIO N SHOP FLOOR	Noise level Monitoring	11.03.2024	11:20 AM	Annexure- I	82.8 81.9 83.1 81.8 82.2 83.1 82.6 82.4 83.0 82.1	82.5	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- I		sample	T SUTRALI HAR

For, INDICATIVE CONSULTANT INDIA

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INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanehak Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228 Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Ph - 03224-273765

L	Location	ysis: M/s. G - Paschim Ba c floor: 1.5 N		T -		- Adaga	11					vermultantiselerien
		Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	5.555 (FE	Limit	Reference	Distance I	tom the Machine 11
						82.4		Time	-	Method	Persons	of person Name
	BAKING RH- 16					81.6					exposed	sample letters
ı	SHOP FLOOR	Noise level Monitoring	11.03.2024	10:05 AM	Annexure-1	81.4	82.3	8 hrs.	Exposure Limit for		1	North As Series
ı		No.			ł	83.0		8 firs.	Industrial workers (8 hrs.) -	Annexure-1	1 /	1 AR



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

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

Ph - 03224-275765

Mah - 94340 17584

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Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

lo	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument	- Complete	1.	T	1		Distance	from the M	fa-hi-
			-	Thee	Use	dB(A)	Average Reading	Total Time		Reference Method	of	Signature of person	
	BAKING RH- 24(I) SECTIO N SHOP FLOOR	Noise level Monitoring	11.03.2024	10:40 AM	Annexure- J	83.8 81.2 84.2 82.2 82.6 83.0 82.8 84.1 82.2 83.8	83.0	8 hrs.	Exposure Limit for Industria I workers (8 hrs.) = 90 dB(A)		Persons exposed	taking sample	Name is block fente block fente T SUTRADBIA

Form No. - 30

Table No. - 10

For, INDICATIVE CONSULTANT INDIA

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INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

The state of the s Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 11

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

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Height from the floor: 1.5 M

1	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Level	Average	Total	1	T-	Distance from the Machine 3
	100000000000000000000000000000000000000				1	81.6	Reading	Tim		Method	Persons Sking Name
	BAKIN G RH – 24 (II)	Noise level Monitoring	07.03.2024	02:00 PM	Annexure-1	82.6	82.2	R hex.	Especture Limit for Industria		To NUTRACE AR
1					F	81.8 82.1 83.2 81.9		- 1	(A bre j + 90 dB(A)		101.1

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F. TENK

The state of the s INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

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Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Vo.	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument	- County	Average	Trus	T		Distance f	from the Machine : 3
					Use	Level dB(A)	Reading	Total Time		Reference Method	Number of Persons	Signature of person bloc bloc
1.	BAKING TUNNE L KILN SHOP	Noise level Monitoring	04.03.2024	04:40 PM	Annexure- J	81.4 83.4 82.4 82.9 81.9 83.2 82.1 82.6 83.0	82.5	S hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- /	exposed	sample letter

Form No. - 30

Table No. - 12



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

Ph - 03224-275765 Moh - 94340 77584

e-mail javantasarkar67a gmail com indicative consultant media a grand core

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	Sampling	Sound	1	1990000	T	1 1	Distance from	the Machin	r - 3 n A
			- Avenitoring	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person	Name
						82.4			-	-	exposed	taking sample	block letters
0	PITCH IMPRE GNATI ON UNIT#2	Noise level Monitoring	07.03.2024	09:40 AM	Annexure- I	83.9 82.2	82.6	8 hrs.	Expensive Limit for Industrial workers	Annexure-	, /	Lym Ka	T SUTEAD HAR
	SHOP					83.6 82.1 82.4			(8 hrs.) = 90 dB(A)			S. en	S. ATTA

Form No. - 30

Table No. - 13



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: javantasarkar67 a gmail.com indicativeconsultantindur a gmail com

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

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

Height from the floor: 15 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	Name in block
						81.9 83.2					1	sample	letters
	PITCH					83.6						6	the T.
1.	IMPREG NATION	Noise level	07.03.2024	10:20 AM	Annexure- I	82.8 81.8	82.8		Exposure Limit for		K	Inform the	SUTRAD HAR
	UNIT#3 SHOP	Monitoring	5.3300000000000000000000000000000000000			83.8	0240	8 hrs.	Industria I workers	Annexure- I	3	'	
	100000	0 1				82.6	1	- 1	(8 hrs.) = 90 dB(A)			$Q \perp$	
						83.1				1		0) 10	S. HATTA RAI



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

Ph-03224-275765 Mob - 94340 17584

Form No. - 30 Table No. - 15

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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

No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time		Reference	Distance fr Number of	Signature of person	hine : 3.0 Name ii
	РІТСН					82.1 81.9		-		Method	Persons exposed	taking sample	block letters
k.	IMPRE GNATI ON UNIT#	Noise level Monitoring	07.03.2024	11:00 AM	Annexure- I	83.1 81.8 82.4 83.6	82.4	8 hrs.	Exposure Limit for Industria	Annexure- I	3	In from Kright	T. SUTRAD HAR
	4 SHOP					82,4 81.0 82.2 83.1			(8 hrs.) = 90 dB(A)				S. HATTA

For, INDICATIVE CONSULTANT INDIA

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was the contraction of the contr INDICATIVE CONSULTANT INDIA HPI Link Road, Basudevpur, Khanjanchak

Hahlra, Purba Medinipur-721602

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

Form No. - 30 Table No. - 16

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indication and property and the

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

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

No.	Location	Parameter	Date of Monitoring	Starting	Sampling		1.	T	T		Distance	from the Machine - 1
			- I	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	of	of person Name
						82.8 83.0					Persons exposed	taking block letters
	LWG# 3 SHOP	Noise level Monitoring	07.03.2024	12:20 PM	Annexure- I	83.9 81.6 82.2 82.4	82.8	8 hrs.	Exposure Limit for Industrial	Annexues. 1		SUTRADA
						83,8 82.6 83,1 83,0			workers (8 hrs.) = 90 dB(4)		1	2//

For, INDICATIVE CONSULTANT INDIA

Parhati G Authorized S

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

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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	Starting	Sampling	Sound	1.	T	T -	1	Distance t	rom the Mac	thine - 3.0
			Monitoring	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	of person	Name i block
						81,4 82,9					exposed	sample	Actions
1.	LWG# 4 SHOP	Noise level Monitoring	07.03.2024	11:40 AM	Annexure- I	82.1 83.6 82.7 83.2	82.6	8 hrs.	Expense Limit for Industrial workers	Annexure- 1	3	agreem his fi	T SUTRADN AR
						81.6 82.4 82.8 83.1			(8 hrs.) = 90 dB(A)			2/	S. ATEAR

For, INDICATIVE CONSULTANT INDIA



P. 1228

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 Moh. - 94340 17584

e-mail: jayantasarkar67@gmail.com

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

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

Height from the floor: 1.5 M

No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time		Reference	Distance t Number of	- Sermont C
ĺ.	LWG UNIT # 4 (AUTO DUST BAGGIN G AREA)	Noise level Monitoring	04.03.2024	03:20 PM	Annexure- J	80.6 78.4 79.8 77.4 79.3 81.2 80.2 78.9 79.4 78.6	79.4	8 hrs.	Exposure Uma for	Annexure.	Persons exposed	of person Nam bloc sample sample fetter survey of the surv

For, INDICATIVE CONSULTANT INDIA

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HPL Link Road, Basudevpur, Khanjanchak Haldin; 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: M/s. GRAPHITE INDIA LTD.,

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

Height from the floor: 1.5 M

No	Location	Parameter	Date of Monitoring	Starting	Sampling	Sound		T	T -		Distance	from the M	achine + 2 (
			Wontering	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	of	Signature of person	Name ii
						81.2				- Tanad	Persons exposed	taking sample	block letters
1.	LWG# 5 SHOP	Noise level	04.03,2024	02:45 PM	Annexure- I	80.8 79.6 81.9	80.9		Exposure Limit for			(apom for	SUTRADH AR
		Monitoring				82.4 81.4 80.6	80.9	S hrs.	Industrial workers (8 hrs.) =	Annexure-	3		
					-	81.4 78.6			90 dB(A)		19	2 10	tattar

For, INDICATIVE CONSULTANT INDIA

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INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak

Form No. - 30

Table No. - 20

Haldia; Purba Medinipur-721602

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

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indicativeconsidianundia a gmail.com

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

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

No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time		Reference	of	Signature of person	achine : 3,0 A
1-	FINISHIN G #1 SHOP FLOOR	Noise level Monitoring	04.03.2024	10:00 AM	Annexure- I	82.4 81.6 83.1 82.2 84.4 83.9 82.6 84.0 82.1 83.1	82,9	8 Jus.	Exposure Limit for Industrial workers (8 lets.) = 90 dB(4)	Annexure-	Persons exposed	taking sample	block letters T SUTRADH AR
									For	Part Authoritie			AJ J



artitless. 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. - 21

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新工作及在西班牙科科技的新工作的

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indicative consultantindia 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

Vo	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Level	Average	1 P. S.	T	Reference	Distance t	rom the Machine 3.0
					1	84.1	Reading	Time	Limit	Method	of Persons exposed	of person Name i taking block
t.	FINISHIN G #2 SHOP FLOOR	Noise level Monitoring	04.03.2024	10:35 AM	Annexure- 1	83.6 85.1 84.9 83.6 82.8 84.9 85.0 82.8 83.4	84.0		Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- [sample letters AND T SUTRAD HAR

For INDICATIVE CONSULTANT INDIA

Authori

Ended Little Cocc INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanehak Haldia: Purba Medinipur-721602

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

Form No. -30

Table No. - 22

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

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

lo L	ocation	Parameter	Date of Monitoring	Starting Time	Sampling Instrument	The state of the s	1	T	_		Distance from the Machine 3
					Use	Level dB(A)	Average Reading	Tota Time		Reference Method	of of person Name
#3	NISHIN G SHOP OOR	Noise level Monitoring	04.03.2024	11:10 AM	Annexure- 1	84.1 83.6 82.8 83.9 84.0 85.1 82.2 83.0	83.2	- 1	Exposure Limit for Industrial workers (S hrs.) = 90 dB(A)	Annexure- I	exposed sample letters sample letters for any angle letters for any any angle letters for any angle letters for any angle letters for any any angle letters for any any angle letters for any any any any any any any any any any

For INDICATIVE CONSULTANT INDIA



and the Control of th INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

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

Form No. - 30 Table No. - 23

Ph-83324-275763 Mod - 94348 17584

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

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

Height from the floor: 1.5 M

No.	Location	Parameter	Date of Monitoring	Starting	Sampling	Sound			T	T-	Distance I	rom the Mac	hine : 1 n
				Time	Instrument Use	dB(A)	Average Reading	Total Time	Limit	Reference Method	of	Signature of person	Name in
1.	GRAPHITE ACHESON SHOP	Noise level Monitoring	04.03.2024	12:40 PM	Annexure- I	79.4 80.6 81.4 78.2 79.6 82.1 80.3 82.0 80.8 79.3	80.4		Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- I	Persons exposed	taking sample sample	block letters T SUTRAD HAR

For, INDICATIVE CONSULTANT INDIA



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26666666666 INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak

Haldia, Purba Medinipur-721602

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

Form No. - 30

Table No. - 24

Ph-03224.275765

Mob - 94340 17384

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

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

Height from the floor: 1.5 M

No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Level	Average Reading	2.000	Limit	Reference	Distance fi Number	
					Unit.	dB(A)	residing	Time	1.imit	Method	Persons	of person Name taking block
1	GRAPHIT E FINES SCREENI NG SHOP	Noise level Monitoring	04.03.2024	12:05 PM	Annexure-1	81,4 82,8 80,4 81,1 82,2 81,9 82,4 83,2 82,0	81.8	1	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- I	exposed 3	sample letters TOTAL SUTRAD HAR CHATTA

For, INDICATIVE CONSULTANT INDIA

Parbati. Authorized

CETTELLE CETTERS INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanehak

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@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

SL No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference	Distance fr Number of	Signature of person	hine : 3.0
1	CORE SAMPL E SHED	Noise level Monitoring	04,03,2024	02:10 PM	Annexure- I	78.9 79.3 81.2 80.4 82.2 80.4 81.6 79.3 78.9 80.8	80.3		Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Method Annexure- I	Persons exposed	taking sample	block letters T SUTRAD HAR

For INDICATIVE CONSULTANT INDIA



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INDICATIVE CONSULTANT INDIA 11PL Link Road, Basudevpur, Khanjanchak

Haldin, Purba Medinipur-721602

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

Form No. - 30 Table No. - 26

Ph - 03224-275761 Mob - 54340 17384

e-mail juyanlasarkart agmail com indicative consultantindia a mod 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

il. Io	Location	Parameter	Date of Monitoring	Starting	Sampling	Sound	Ι.	T		1	Distance from	m the Machine : 3.0
			Bronnering	Time	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	of	Signature Nam of person in
	FINISHI NG UNIT					87,9 88.4 86.8 87,2			Exposure	- I	Persons exposed	sample block sample letters
	#4	Noise level Monitoring	04.03.2024	04:00 PM	Annexure- I	88.1 89.3 88.2 88.9 87.4	87.9		Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- 1	3	DHAR
						86.9					17	CHAIT

For, INDICATIVE CONSULTANT INDIA



HPL I ink Road, Basodevpur, Khanjanchak, Haldia, PurhaMedimpur-721 602

over the state of 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 #1 MIXER FLOOR

bient Temperature	Dry Stuth	Wet Bully
Chi 11.03.2024	32.00	Tres frame

Table No. - 1

No.	Lucation	Parameter	Date A Time of	Sampling	Videna of	1	-				nt Air flow			-
	Inside		Monitoring	Instrument Used	Work Place X 6	Volume of Air change He	Vefority at	100	Printer bull	et l	Koterma		7	-
	Work	Volume of			17128 m x 6	Principal Communication	-	1	mork place	1	Method	Minerala	Signature	1 Name
	Place	Air change	11.03.2024		16.271 A H	28124.26 m ²		1		For up to change de cit a fina car	1	1		-
1	Inside Work Place	Velocity of Air at work place	02:05 PM	Americe)			All me table on the community gate All metable of the prices			10 man at 1		Aligner		11/16
2	Inside Work Place As middle of the plant	Temperatury at work place	63:45 PM					Day Bells	Not live INSTE	For Ault Sor Han SF c	T	-18	1	

I ... CALLE VILLE CRIMES LYAL DAMPS



with the terreson INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanehak; 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 On 11.03.2024 Wet Bulb 27.0°C 22.0°C

Table No. - 2

SL No	Location	Parameter	Date & Time of	Sampling Instrument	Volume of Work Place	Volume of	Velocity of	. D	y/Wet bull	100		w – 72m/mi		
	Inside		Monitoring	Used	X 6	Air change/Hr		Ten	operature a	t Limit	Referenc	e p	1	T
1	Work	Volume of			18048.6 m ³ x	822457,59		1	ork place	Vol. of Air	Method	Remarks	Signature	/ Na
	Place	Air change	11,03,2024		1,08,291 6 m ³	m'				change hr	1	Adequate		
2.	Inside Work Place	Velocity of Air at work place		.lnnexure+1	F-		42 minin at middle of the plant			30 m min at work place at		Adequate	Mar 1	HAT TA CHAR- YA
1.	Inside Work Place At middle of the plant	Temperature at work place	10:10 AM 10 11:55 AM			•		Dry Bulb 29.0°C	Wet Bulb		dingtory /	dequare) (S) (C)(A) (1) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	

For INDICATIVE CONSULTANT INDIA

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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: BAKING RH - 16 SHOP FLOOR

Ambient Temperature Dry Bulb Wet Bulb On 02.03.2024 30.0°C 25.0°C Ambient Air flow - 72 m/min N to S

SL No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air	Velocity of	Dr Ten	y/Wet bull	t Limit	Referes		-	
	Inside				46832.32 m	change/Hr	- "	W	ork place		Metho	The second secon	rks Signat	ure Nan
I.	Work Place	Volume of Air change			X 6 = 2,80,993,92 m ²	350541.63 m ³				Vol. of Air change hr >6 x Vol. Of		Adequa		1.
2.	Inside Work Place	Velocity of Air at work place	02:10 PM to 03:45 PM	Annexure- I	#×	*	36 minin - at LHS of furnace 30 minin - at RHS of furnace 36 minin- at the middle		1	30 m min ar work place as 1.5 M height	Ametary. /	Adequate Adequate Adequate	f 93hn	CHARYA
3.	Inside Work Place At middle of the plant	Temperature at work place	u3:43 1 01				*	Dry Bulb	Wet Bulb 26.0°C	Wet Bulb- less than 30° C		Adequate	8/	SATTA RAT

For, INDICATIVE CONSULTANT INDIA



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Table No. - 3

INDICATIVE CONSULTANT INDIA 11PI Link Road, Basardevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602

Register Containing Particulars of Testing of Ventilation Condition of M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Table No. - 4

Name of Department/Plant: PITCH IMPREGNATION UNIT #3

Ambient Temp. Dry Bulb Wet Bulb On 08.03.2024 31.0°C 26.0°C Ambient Air flow - 72 m/min N to S

No.	Lucation	Parameter	Date & Time of Monitoring	Sampling Instrument	Volume of Work Place	Volume of	Velocity of	D	ry/Wet bul	3		flow - 72 m		
	Inside		- Tourist Ing	Used	X 6	change/Hr	Air	Te	mperature work place	ut Limit	Refere	nce Remarks	Signature	Non
1.	Work Place	Volume of Air change			9,853.56 m ³	87684.41 m ²	*		-	Val of Air change he =6x Val Of		Adequate	101	-
2.	Inside Work Place	Velocity of Air at work place	08.03.2024 02:10 PM to 04:00 PM	Annessire- I			42 minin - ut Entrance Gesty 36 minin - at Meddle 42 minin - ut Back scale Geste			30 minimus work place as 13 M height	American p. 1	Adequate Adequate Adequate	M.	BHAFFA CHARS
3.	Inside Work Place At middle of the plant	Temperature at work place				2	-	Dry Bulb 33,0°C	Wet Bulb 28.0°C	Wes Buds less than 30° C		tidequate	CHAI	

For INDICATIVE CONSULTANT INDIA



HP1 Lord Road, Basudevpor, 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 Balb On 08.03.2024

Wet Bulb 28 MC 23.0°C

Tuble No. - 5

Ambient Air flow - 84 m/min N to S

SI.	Location	Parameter	Date &	Sampling	Volume of	I Value	-							
	Inside		Time of Monitoring	Instrument Used	Work Place X 6	Volume of Air change/He	Velocity of Air	Lemp	Wet bulb terature at	Linut	Reference	Remarks	Signature	1.
1.	Work Place	Volume of Air change			58176 m ¹ x 6 - 3.49,056 m ²	1473654,57 m ¹		-	rk place	Vol. of Air change hr =6 x Vol. Of	Piethind	Adequate	-1	
2.	Inside Work Place	Velocity of Air at work place	09:50 AM to 11:35 AM	Amexure-1	*		48 minin at entrance of 1" Gate 36 minin at entrance of 2" Gate 42 minin at modelle		•	30 minin at work place at 1.5 M height	Ansesury- /	Adequate Adequate	Wrz	BHILTT
	Inside Work Place At middle of the plant	Temperature at work place				1.0		Dry Bulb 32.0°C	Wet Bulb 27.0°C	Wet Bulb less than	İ	Edequate	2/	RATTA RAJ

For, INDICATIVE CONSULTANT INDIA



934

11P1 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 04.03,2024 31.0°C 26 0 C Ambient Air flow - 66 m/min N to S

Table No. - 6

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 Tem	Wet hulh	Limit	Reference	Remarks	T	T
1.	Inside Work Place	Volume of Air change	04.03,2024		12522.4 m ¹ x 6 = 75,134.4 m ³	138524.11 m ³	-		place -	Vol. of Air change/hr >6 x Vol. Of	Method	Adequate		
2.	Inside Work Place	Velocity of Air at work place	02:05 PM to	Annexure-1	*	•	42 m/min- at Gate 36 m/min- at Michigo			work place 30 m/min ar work place at	Amesure 1	Adequate	Yor	A BHAJTA CHARYA
1.	Inside Work Place At middle of the plant	Temperature at work place	93:40 PM		4:	-	of the Plant	Dry Bulb	Wet Bulb 25.0°C	Wet Bulb less than	f	Adequate	8/	S HATTA KAJ



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 04.03.2024	27°C	22 000

Table No. - 7

St. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Tem	/Wet bulb p. at work place		Referenc Method	Remarks	Signature	Name
1	Inside Work Place	Volume of Air change			24597.54 m ³ X 6 = 1,47,585.24 m ³	167474.33 m³	(40)		piace	Val of Air change hr -6 s kat Of		Adequate	-	1.
1	Inside Work Place	Velocity of Air at work place	04.03.2024 10:10 AM	Annexure- I		*	42 m/min - at entrance of I th Gate 36 m/min - at entrance of Z th Gate 36 m/min at the mobile		*	20 minin as work place at 1.5 M height	American I	Adequate Adequate	Whe	BroxTa Clears
1	Inside Work Place At middle of the plant	Temperature at work, place	11:50 AM			*		Dry Buth 26.0°C	Wes Bulb 22.6°C	Wee Built Jess than 30° C		- 8) 1988 1988 1988	TEAL

For INDICATIVE CONSULTANT INDIA



HPL Link Road, Basudevpur, Khanjanchak, Haldia, PurbaMedinipur-721 602

2934446666666 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)

mbient Temperature	Dry Bulb	44.
On 02.03.2024		Wet Bulb
Ambient Air	26.0°C flow = 66 m/min N	20.0°C

Table No. - 8

Vo.	Location	Parameter	Date & Time of Monitoring	Sampling Instrument	Volume of Work Place	Volume o	of Land				Ambier	t Air flow -	6.0°C 66 m/min	N to S	0°C
	Inside Work	10.1	Tonttoring	Used	X 6 98,344.81 m ²	Air change/H	Velocit r Air	y of	Dry/Wet Temperati work pl.	ure at	Limit	Reference		1	_
	Place	Volume of Air change			X 6 = 5,90,068.86 m ¹	756024.02 m ³		1		1	Vol of Air change hr	Method	Remarks	Signature	Nat
4	Inside Work Place	Velocity of Air at work place	19:39 AM 10:195 PM	Annexure. I			30 m/min East Side the Furnar 36 m/min West Side of the Furnary 36 m/min East Side of the Shed 30 m/min West Side of the Shed 16 m/min	er		Jan.	ox Vol. Of work place	1.	1	14 /.	A MINATURA MIRANIA
2.	Inside Work Place At middle of the plant	Temperature at work place			-		Modelle of the Start	Dry Buth	Wes Buth 25.0°C	West But less the		Adequate	18/	CHATTER EAST	// withernmanner

STUBBLE CECCEC tary I sell Resed fraunt spor Khanga shill Haidia, Portis Medinipur 721 602 Cross Reph No. 1 (6487) MSMI Rep No. WB-12-0000228 Table No. - 1

M/s. GRAPHITE INDIA LTD.

Address Dist Paschim Bardhaman, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars of Testing of Illumination Level.

indicative contributional and com-

Name of Locations A TRUSION ALMINER WORKING AREA A TRUSION ALWERSH WORKING AREA A TRUSION AT PROPERTY.	Parameter	Date & Time of Monstoring	Sampling Instrument Used	Reference Method	Illomination Level in Lax	Limit Lux	Remarks	Signature	
CORDERON OF PRESS WORKING AREA CHO HASSMIR BAKESG OF WORKING AREA CHO HASSMIR BAKESG OF WORKING AREA CHO HASSMIR BAKESG OF WORKING AREA CHO HASSMIR BAKESG OF WORKING AREA CHO HASSMIR BAKESG OF WORKING AREA CHO HASSMIR BAKESG OF ARD WORKING AREA CHO HASSMIR BAKESG OF ARD WORKING AREA CO HASSMIR BAKESG OF ARD WORKING AREA CO HASSMIR BAKESG OF ARD WORKING AREA CO HASSMIR BAKESG OF A WORKING AREA CO HASSMIR BAKESG OF A WORKING AREA CO HASSMIR BAKESG	Humination	07.03.2024 6:20 PM In 8:00 PM	Digital Lux Meter		222 196 131 270 152 130 117 298 182 130 182	65 65 65 65 65 65 65 65 65 65 65 65 65 6	Adequate Ade	J.	Name Col. T TRADILAR

For INDICATIVE CONS

- ANNEXURE 1
- 1. RAW MATERIAL Calcined Petroleum Coke (CPC), Binder Pitch, Extrusion Oil 2. PRODUCT - Graphite Electrode & Nipple
- 3. BY-PRODUCT Graphite Fines
- METHOD OF ANALYSIS:
- Respundle Particulate Matter (RPM) Method of air sampling and analysis as per 18:5182(Part - IV) 1999 (RA 2019)
- Suspended Particulate Matter (SPM) Method of air sampling and analysis as per IS:5182(Part - IV) 1999 (RA 2019)
- Sulphur Dioxide (SO₂): As per 15.5182 (Part II). 2001 (RA 2022)
- Oxides of Nitrogen (NO2): As per 15:5182 (Part VI): 2006 (RA 2022)
- By Digital Lux Meter measurement was done as per IS 3646(Part 1): 1992 (RA 2018)
- Code of practice for industrial ventilation as per IS 3103: 1975 (RA 2018)
- Code of practice for natural ventilation of residential buildings as per IS 3362: 1977 (RA 2018)
- Noise level measurement was done as per IS 4758:1968 (RA 2017)
- 137 Factories Act. 1948

5. INSTRUMENTS USED:

The following standard instruments utilized during the entire survey period and all the instruments are calibrated.

- Respirable Dust Sampler with Gaseous Attachment
- 12) UV-Vis Double Beam Spectrophotometer.
- 322) Electronic Digital Balance
- Hot Air Oven 2P()
- 01 Describe
- 22 Digital Lux Meter
- Digital Noise Level Meter
- Higgsometer / Dry Bulls Viet Bulls Temperature Indicator Meter Pin)
- 120 Digital Assessmenter
- Missioning 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*



April 10,2024

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 (as per the requirement of the consent to Operate) of Stack, Ambient Air & Noise Monitoring in February 2024. Since no waste water is discharged outside, Since no waste water is discharged outside, Jan 2024, Feb 2024 & Mar 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 treated details. Analysis is done by WBPCB Authorized agency M/s Indicative Consultant India, 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)

7

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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Annexure-5 Air Pollution Control System





Annexure-6 Existing Rainwater Harvesting System





Annexure-7

Green Belt





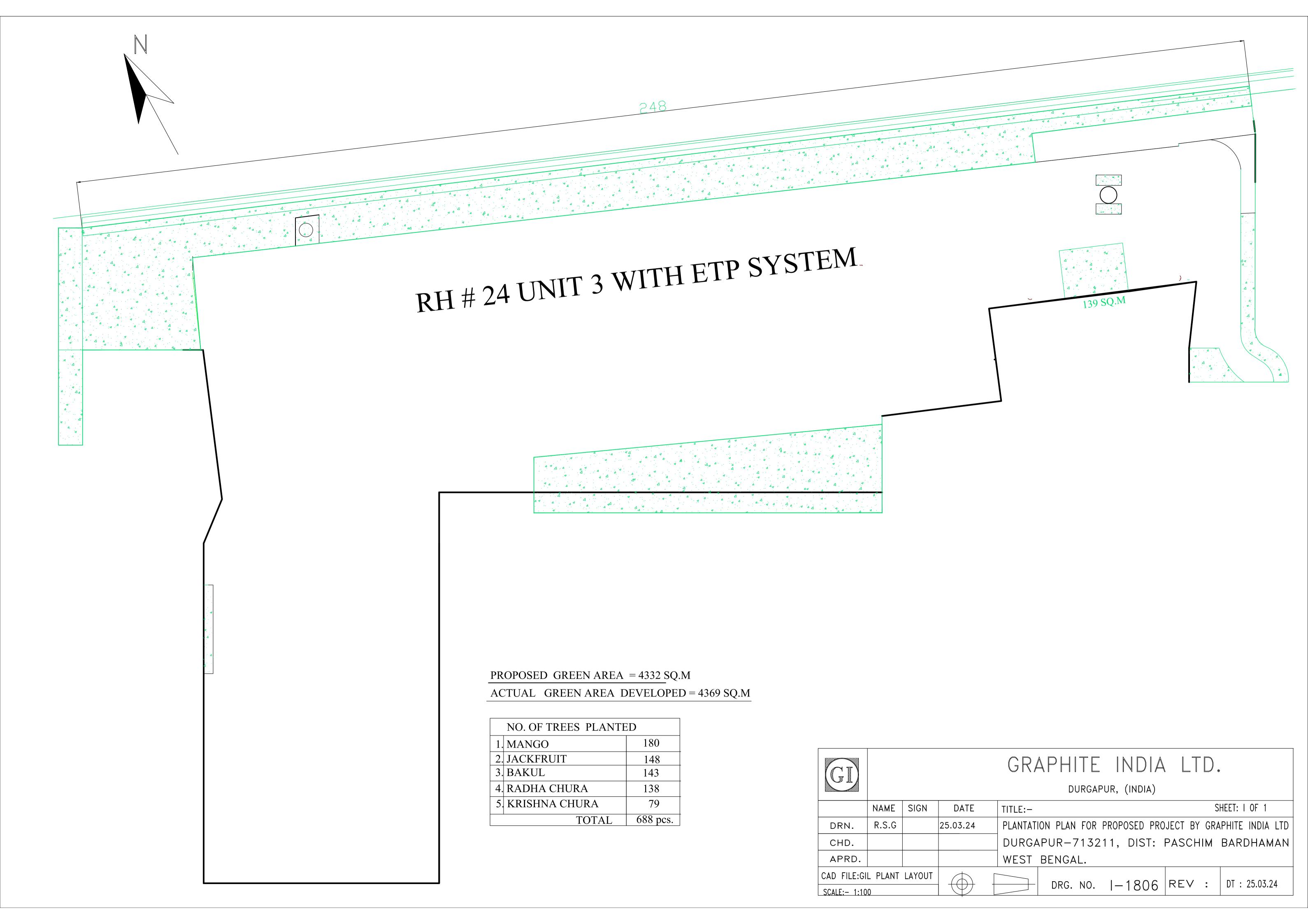






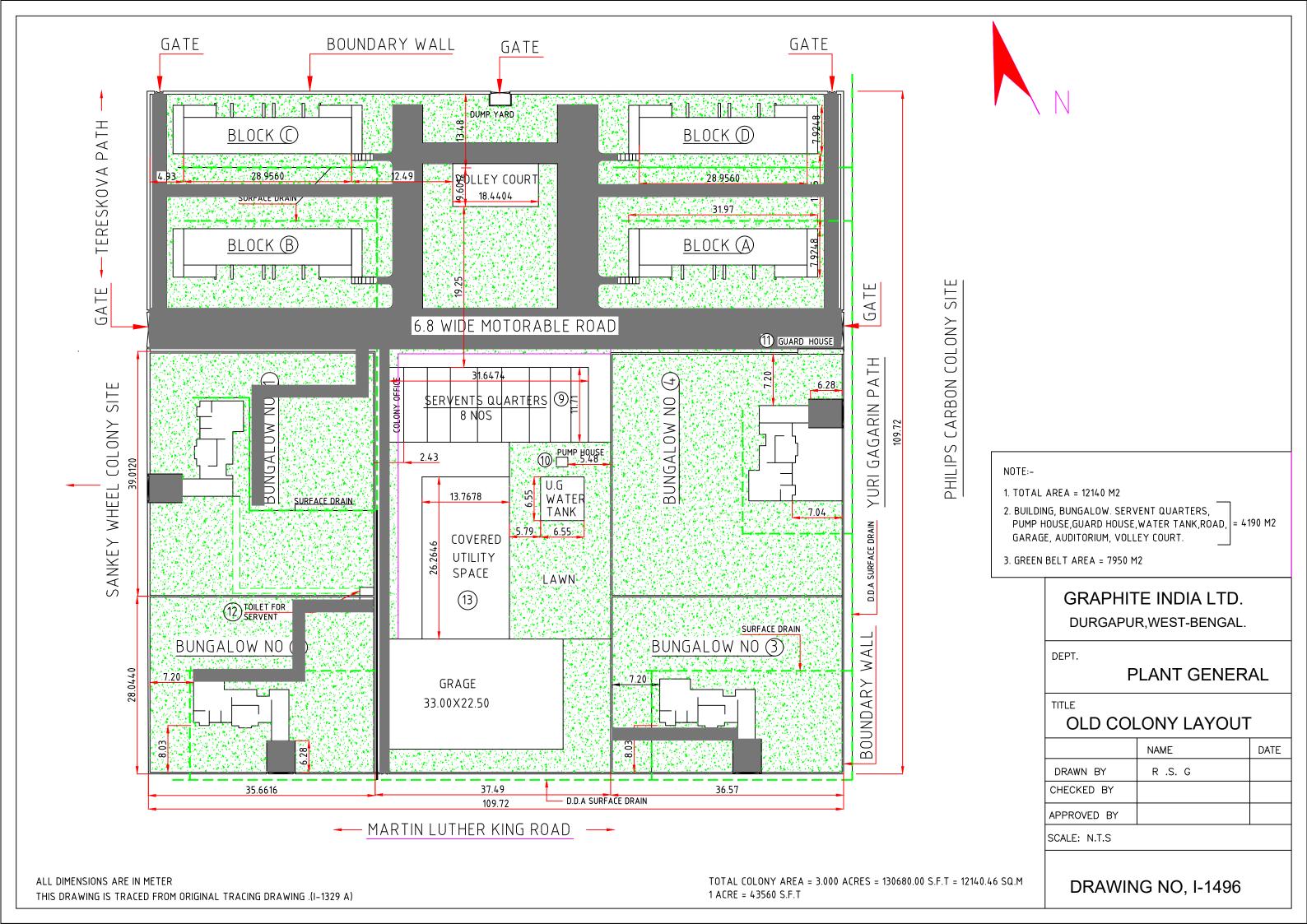


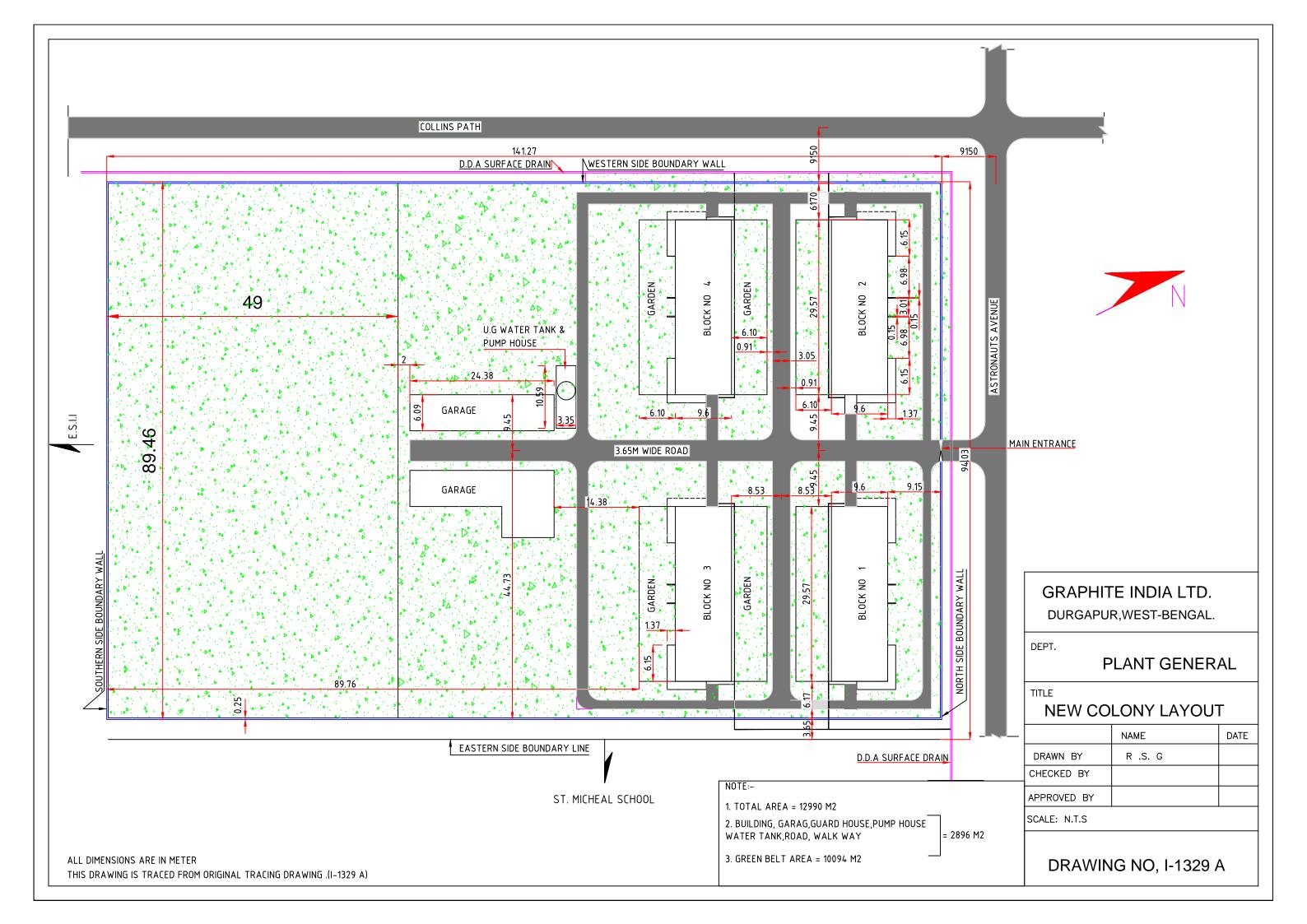












87

LIMITED, Durgapur-11

Annexure-8

FIRST AID CENTRE ATTENDANCE REGISTER GID-TRG-F023

Desig. E. B. No. Dept Name of the Patient SI. No. Date Rom 12/23 1 Lalan 6 K Mani · Indranil Roy Dont uttam baire gn Mohim Raza Ano " Biswasid Bose " Ramzan Sk. EXT while gilis .. EXT ... md. Diloval Inorth m 2/12/23 Mr. Gopal Rai 1. 4 Dies Distar EXT controlling " Jolesway Rajale 11 " Dulal sit contrate 12 Imali. 13 1 11 Dhana Pami Confut (French) 14 11 11 Tapan Magi " Anway Saka. 10.15 A.7 15 contest turn 0.5.A.Bera 16 Mans 1, Terrale Banegue Degramel 1. Rome Ghoth WIN 18 & Bikas Short Condt lin 20 ", md. Yonus phid mg 21 14 Kreishnerder Key m2 PIC Sa · Anod VI Codnes Rabin Panda 23 Barray Binsait Bose 29 Yourd 25 . Judon todal Barto 28 amnus BrivA Sheyan Passon CON worlin Grosen Stuppy · Sanjan Haber (and . R. N. manats NW Parchey Singh 31 affire · (want Bay mond 13/12/23 Slight Bisway & Chartary

RO WEF 20.02.2014 Treatment Given Panocid-2 ARICULT, Famberd-Ramee -1 Apalied with may. Horgesic plante foroid. 1. Applied Acepupar Ges Applied Oplox eye drops Hege. fomoral-1 Romecal. Applied Oplex. Dronge along playe. Ornefol. Fomocal-1 Applied oplow I eye day Lleye. PCM(SUD) 2 89. 130/100. Acilor PD-1. Drovene. 2. PCM G50-1. Lamoid-1. Ramee - a. PCM(500)-1. 2001, famely Diont Day 1-1 Applied CYlop-S RIN winistry opinid Alexa, formedoffer, four de omit fores Jo Sougest Loud Downed. mof 2, fandes Funera - P650-1 motionidese Regescopiet femily Alder 1

DAILY PATIENT

HEALTH

LIMITED, Durgapur-11

FIRST AID CENTRE

ATTENDANCE REGISTER

GID-TRG-F023 RO WEF 20.02 2014

SI. No.	Date	Name of the Patient	Dept.	Desig.	E. B.	No.
1	1/1/24	Mr. Biswajit Dutta	Stall-		m	A
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&	N	Mr. Rang Copyel	Burg		2.0	7
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8	~	Mr. Kuml. Dry	Japan	er.		_
9	h	Mr. S. A. Baig	mei +		_	-
10	n	Mr. Shirts Brazina	Barry		_	-
1)	N	Mr. D.R. Mehrta	A-b-la		-	-
12_	h	Mr. Many CHEST	Finish		_	-
13	~	the wast Thinking	Bany		-	. —
14	n	Mr. Summ Day	Mint			
1.5	h	Mr. Sudhan Judan	Bing			_
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ATTENDANCE REGISTER	RO WEF 20.02.201
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GRAPHITE INDIA

DAILY PATIENT

HEALTH

FIRST AID CENTRE ATTENDANCE REGISTER

LIMITED, Durgapur-11

GID-TRG-F023

	Date	Name of the Patient	Dept.	Desig.	E. B. No.	
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12.	02/02/24	Ha Biswarit Bose	yand	- 1	WS A	
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ATTENDANCE REGISTER	RO WEF 20.02.2014
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Disten-1	1
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P-67-, Fearraid-1, Nise-1/2	
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130		MARCH-29	DAIL	HEALTH Y PATIENT	LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER GID-TRG-F02: RO WEF 20.02.201
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22	~	W/ A.L. Juday	FireV		Dordin-1, Auke-RD-1, Districy-1 Dage
23	0/63/29	· Josen Barry	Danis	and A	1-60-1, fameidel
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Annexure-8 Health Checkup Photographs







Training Photographs







Annexure-9

Parking Photographs

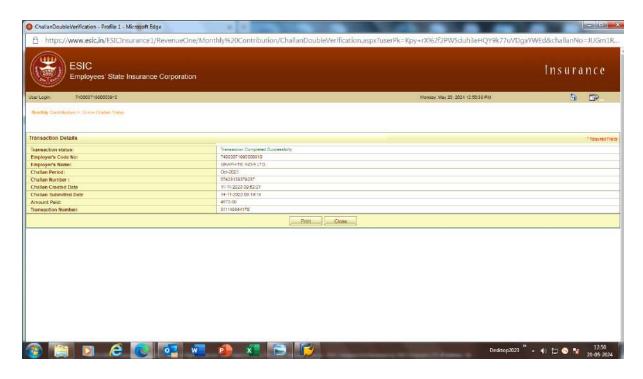


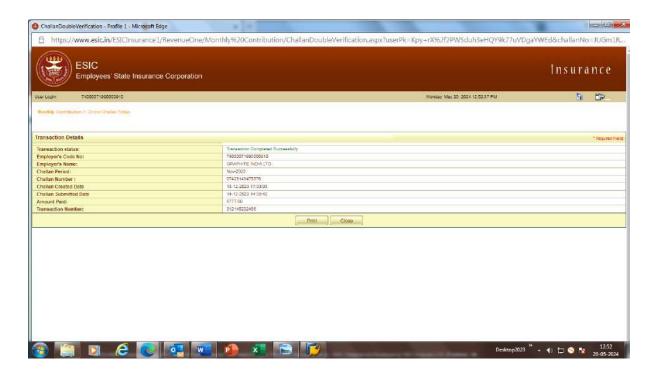


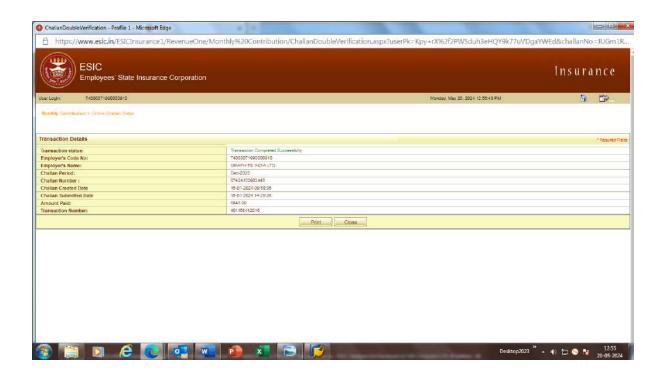


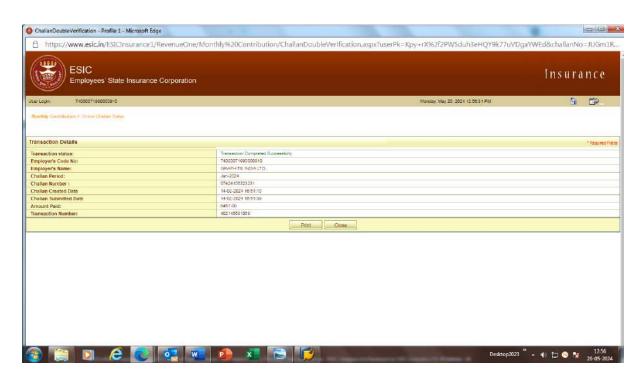


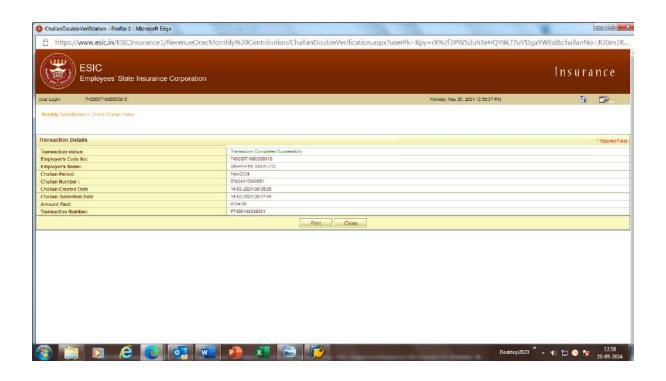
ESIC Challan Oct23 to Mar24

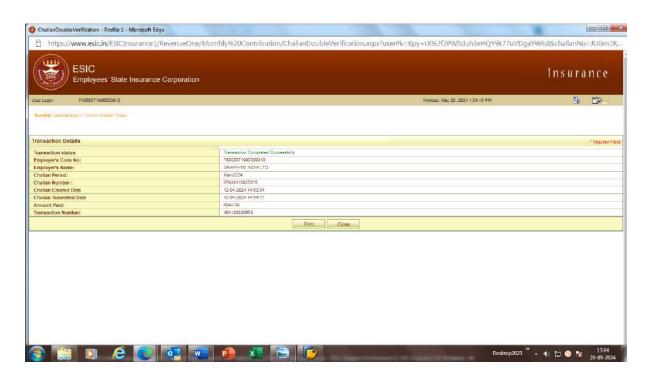




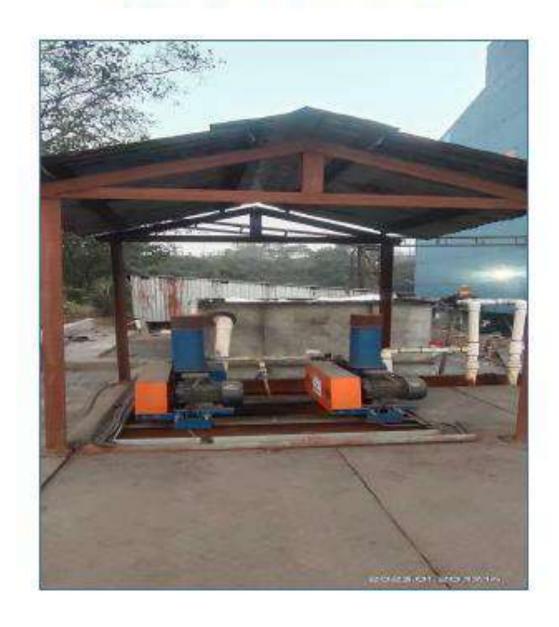








20 KLD Kitchen Waste Water STP



Need based Activity – Health Checkup Camp for the community (Period-Feb 2024)











MD/02/23-24/18

29.02.2024

TAX INVOICE

ORIGINAL

Branch Address:

MECAS, Ananda Nagar, ITI Ambagan SBI Bank (Ground Floor), Muchipara, Durgapur.

G 0343-2999330 / 8001816000 / 8001819000

GST No: 19ABOFM3765F1ZT

SAC Code- 999316 (Medical Laboratory and Diagnostic-Imaging Services)

BILL TO :

Graphite India Limited Sagarbhanga Colony, Paschim Bardhaman, Durgapur-713212, West Bengal

Place of Service - Durgapur State Code- 19

Invoice No.

Date

GST No: 19AAACC0457C1Z4

TEST DESCRIPTION	UOM	QTY	UNIT COST	AMOUNT
Blood Test-TC, DC, ESR, Hb%, Cholesterol, Blood Sugar (Fasting/Random), Sputum for AFB Pulmonary Function Test	No	70	720	55150
. Audiometry No 78		720	56160	
5. Chest X-Ray				
Total Invoice amount in words		A SELECT	Taxable Value	56160
			Add: CGST - 9%	5054
Rupees: Sixty Six Thousand Two Hundred Sixty Eight Only			Add: SGST - 9%	5054
			Invoice Value	66268

BANK DETAILS

Bank Name :

HDFC Bank Ltd.

Account Holder Name :

MECAS

Bank Account Number :

50200051927090

Bank BranchIFSC: HDFC0009518

Payment shall be released within 15 days after submission the

final report.

For MECAS

AUTHORISED SIGNATORY

NABIN SINGHA

Prop. Abir Singha

PAINTING CONTRACTOR & GENERAL ORDER SUPPLIERS

SAGARBHANGA GHOSH MARKET, DURGAPUR-713211

PAN: CSYPS4116F Vendor No.: 214989

Contact: 6294714849 / 9378163322

E-mail: rupsudishadecor@gmail.com

Ref. No. NS/GIL/M-33/23-24

Date 09.02.2024

MEASUREMENT

Personnel Dept. Job done 20.01.24

To Graphite India Ltd Durgapur – 713211

SI. No.	Department Location & Date	Item Description	Size	No.	Qty.	Rate @ Rs.	Amount
1	Personnel	Providing of latex vinyl printing	8X4	1	32 sft.	66/-sft	Rs. P. 2112.00
	(Rupe	ees two thousand one hundred twelve	e only)			Total	2112.00

Abir Singha

BILL CHALLAN.

Date 21 3 24

JUBHAM ELECTRICALS & SOU

Sagarbhanga, Goal Park, Graphite More, Near Youth Club, Durgapur-713211 Dial:9333748607

PARTICULARS	Qnty.	Rate	Amount Rs.
1 TUBBS - 05 NOS			1500.00
SURO JIT MAJI			
	TOTAL		1500.00
Delivery Date 07-02-24	Advance		
Returned Date 08-02-29	Balance		CONTRACTOR

SUBHAM ELECTRICALS & SOUND Sagarbhanga, Durgapur-11

E&O.E Swogit moti

For Subham Electricals & Sound

বিঃ দ্রঃ- প্রাকৃতিক দুর্যোগ বা কোন কারনে বিদ্যুৎ না থাকলে কোং দায়ী থাকিবে না।



hinandan Caterer Zonal Centre, Sagarbhanga, Durgapur - 713211 Mob.: 9832193119



Ref. No. ACGILL B-5

BILL

Sub: Health Check-up Camp

To Graphite India Ltd. Sagarbhanga, Durgapur - 11

SI. No.	Description	Qty.	Rate	Amount (Rs.)
01	Lodge Rent	-	-	10000.00
02	Washing Charge			1000.00
03	Water Charge	-		300.00
04	Electricity Charges	15 unit	10/-Unit	150.00
05	Chairs	60 nos	7/-no	420.00
06	Table	08 nos.	20/-no	160.00
07	Bed	03 nos	100/-no	300.00
08	Tea	200 cups	5/-cup	1000.00
08	Water 20 ltr jar	04 no	50/-no	200.00
09	Dustbin charge	-	, 110	200.00
10	Chair Cover	12 nos.	15/-no	180.00
11	Table Cover	06 nos.	20/-no.	120.00
			Total	14030.00

(Rupees fourteen thousand thirty only)

For Abhinandan Caterer

Signature

SI no.	Bill description	Amount
1	Health Checkup of 78 persons-By M/s MECAS	66268
2	Latex vinyle printing	2112
3	Lighting	1500
4	Catarer	14030
	Total	<mark>83910</mark>

No.- H5-117 TUTION CODE (H.S.)-204582 SCHOOL UDISE CODE-19260902906

SAGARBHANGA HINDI HIGH SCHOOL (H.S.)

(Estd. 1974)

RECOGNISED BY WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION (UN-AIDED)

P.O.- DURGAPUR - 713211, DIST - PASCHIM BURDWAN (W.B.) E-mail ID: sagarbhangahindihighschooldgp@gmail.com, M: 9932405115

From the desk of :-Secretary / T.I.C

Date 08.03.2024

To,

The Executive Vice President, Graphite India Limited, Durgapur-713211.

[Sub: -Request for granting MONETARY AID CUM FREE STUDENTSHIP for the benefit of poor students of our school]

Sir,

With due respect I(Namrata Sinha) Teacher-In-Charge of SAGARBHANGA HINDI HIGH SCHOOL (H.S)would like to request you to kindly lend us your helping hand towards the development of the poor students within the locality of our school campus. We have been catering world class education to the students past 50 years but their parents are unable to continue with their education due to lack of funds. We are also working for the betterment of the girl students and are trying our level best to help them achieve their dreams.

Thus it's our earnest request in front of you to kindly come forward along with us in this noble cause and help us create a better future of a new developing nation. I hope to get a positive response from your end.

The details of our banking transactions are mentioned below for your kind perusal: -

ACCOUNT NO-50100709155013

Teacher-In-Charge

IFSC NO-HDFC0005318 Sagarbhanga Hindi High School (H.S.) SAGARBHANGA HOUSING COLONY NAME: -NAMRATA SINHA

THANKING YOU IN ANTICIPATION

NAMRATA SINHA TEACHER-IN CHARGE SAGARBHANGA HINDI HIGH SCHOOL (H.S) CONTACT NO-9932405115

SAGARBHANGA HINDI HIGH SCHOOL (H.S.).

(Estd. 1974)

RECOGNISED BY WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION (UN-AIDED) P.O.- DURGAPUR - 713211, DIST.- PASCHIM BURDWAN (W.B.) E-mail ID: sagarbhangahindihighschooldgp@gmail.com, M: 9932405115

From the desk of :-Secretary / T.I.C

Ref. No. T. I. C. /04/2024

Date .08 . 03 . 2024

The details of the students eligible for Scholarship are mentioned herewith

NAME	CLASS	YEARLY FEE	
MUSKAN KUMARI	VI	2930	
SAFQAT ALIYA		2930	
-	VII	3260	
MERY PRASAD	VII	3260	
BABY DOM			
	VII	3260	
KHUSHBU NISHA			
	VIII	3260	
PAYEL RAJBANSHI	VIII		
	VIII	3260	
NANDANI MISHRA	VIII		
(Contraction of the Contraction		3260	
NUSRAT KHATOON	VIII		
ANIALLOUI	- ""	3260	
ANJALI CHOUDHURY	IX		
MIRANA		4030	
NIKY YADAV	IX		
SAJIYA KHATOON		4030	
A KIIATOON	IX	4030	
SURAJ SHAW		4030	
	VI	2930	
WASID ANSARI		255	
	VII	3260	
	TOTAL AMOUNT	44020	
		44030	

Sagerbhar os Hindi High School (H.S.) SAGARSHANGA HOUSING COLONY DURGAPUR-713211

SI no.	Bill description	Amount
1	Scholarship Amount Paid	44030
	Total	44030

Need based Activity – Plantation & fencing for the community School (Period-Mar 2024)



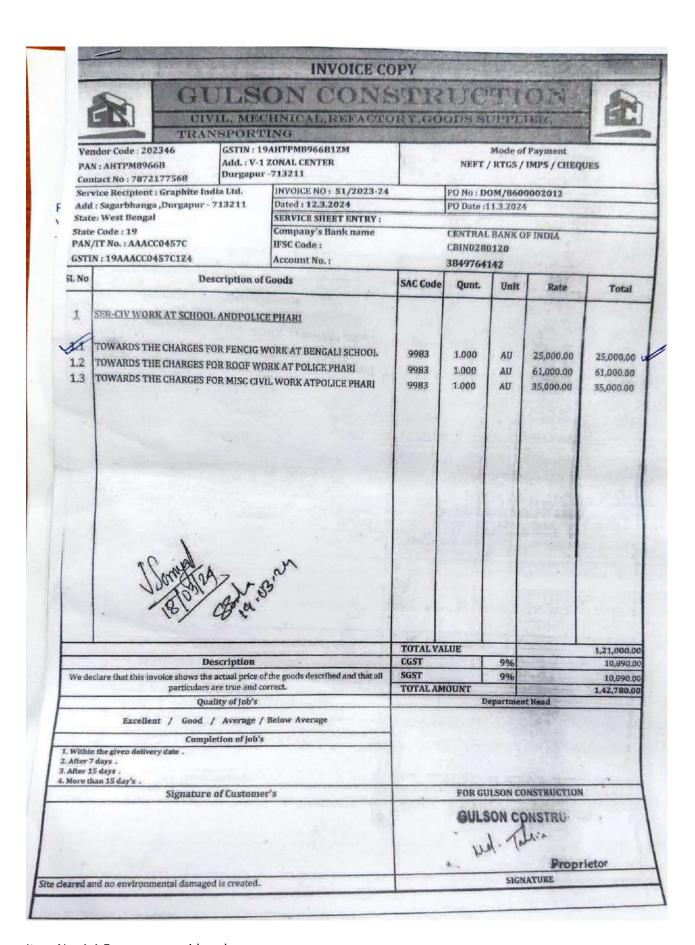


Before Fencing & Plantation

After Fencing & Plantation







MALAKAR ENTERPRISE

CIVIL MECHANICAL CONTRACTOR & GENARAL ORDER SUPPLIER SAC – 9987, CODE - 214220

D-14/S,SAGARBHANGA COLONY,DURGAPUR-713211,BURDWAN

MEASUREMENT SHEET DURING THE MONTH, FEBRUARY-2024

C	DATE_ PURCHASE ORDER NO		PRNO-16	264175	
.	DESCRIPTION OF JOBS	QTY.	RATE	AMOUN	г
				RS.	P.
	DATE-02.02.24 FINISHING-2 1NO GATE LOCK FIX, AND PIPE WELD			150	00
	DATE-02.02.24 RC DEPERMENT 1NO HEADER CUTTING 1NO STRUCTRUE CUTTING			2500 1500	-00
3	DATE-03.02.24 RC FRONT AREA 1NO DRAIN COVER FEBRICATE			2500 2010	000
A	DATE-03.02.24 TUNNEL WALL SHEET POCKET CUTTING			500	
5	DATE-08.01.24			2000	00
	RC 6INCH LINE C-CLAMP FEBRICATE AND FIX			4000	00
				5500	00
46	DATE-08.02.24 RC BACK SIDE COOLING TOWER CUTTING				
	AC BACK SIDE COOLING TOWER COTTING			2000 2000.	00
4		10	1300/-	_13000	00
	RH-24 (3) DARIN COVER FEBRICATE 380MM-1MTR -10 PC				
				1550	00
18	DATE-08.02.24				
	RC FRONT AREA RAIL REPAIR			2500	.00
d	DATE-09.02.24			3000	00
	RH-24(3) BACK SIDE 2INCH AND 3INCH PIPE CUTTING AND			3 500	0.60
	SHIFTING RH-24(2) BACK SIDE			42500	• (7)
6	./			50000	00
¥10	PATE-13-02.24-20.02.24 SAGERBHANGA HIGH SCHOOL RAILING PURPASE FLAT CUTTING 90MTR, FLAT WITH METIRIAL WITH NET SHIFTING PLANT TO HIGH SCHOOL, 90MTR FLAT WELDING AND 45 MTR NET FIX AND 1NO GATE FEBRICATE AND FIX (NET AND FEW METIRIAL		,	35000	
7	PURCHASE)			5500	m
1	r onervae y		cral		00
11	DATE-14.02.24	15	650/-	9750	00
1	4INCH PIPE 1FEET-15 PC CUTTING 2 SIDE ROD WELDING AND				
	MIDDLE POSTION 4PC PER PIPE ROD WELDING	-	TOTAL	-98500	00
141				76,050	
				70,030	
natu	re of the Contractor. Kakali Malukon	Amount Pa	yable-		
		Page N.O-			
Com	pletion Certificate .	rage w.o-			

NABIN SINGHA

Prop. Abir Singha

PAINTING CONTRACTOR & GENERAL ORDER SUPPLIERS

SAGARBHANGA GHOSH MARKET, DURGAPUR-713211

PAN: CSYPS4116F Vendor No.: 214989 Contact : 6294714849 / 9378163322

E-mail: rupsudishadecor@gmail.com

Ref. No.

BILL

Date 3103-24

To graphite India Ltd.
Drugating- (PED)

Bill for. Vineyle pointing, sticking on ACP sheet

& M. & Flot welding From Sign board.

Sign board. 2x122x2502 500.

Fskne 2x122x1202 246

740F

yarspettfully Nalin single

Boylo 31.03 24

				WUNNO	AND MANPOWER SUPPLIERS
March,24	MEASU	REMENT SHE	- English		Date:
IONTH - APRIL 24	DATE	SAC CODE		VENDO	OR CODE
PR NO.	30.09.24	9987		20	2082
The second second	[Stringers				
OB DESCRIPTION:	TRE	E SUPPLY			
DESCR	RIPTION		Qty	Rate/	Amount(Rs)
SLNO		BHANGA H	SCHOOL !	AU	RS 14330.00
1 TREE SUPPLY INSIDE THE	UNITED ASSESSMENT				
ALONG WITH INVOICE BILL					
ALUNG WITH INTO SECTION				1	
					RS 14330.00
	TOTAL (Rs)		-		
			30.0		
		DEPT.HEA	<u>D</u>		VP(OPERATIONS)
SECTION HEAD SECTION HEAD		<u>DEPT.</u> HEA	<u>aD</u>		VP(OPERATIONS)

SI no.	Bill description	Amount
1	Fencing	25000
2	Fabrication of Fencing area	35000
3	Sign Board	740
4	Tree plantation	14330
	Total	<mark>75070</mark>

No.	Proposed need based Activities under CER	Actual Expenses in 23-24 in Rs (Lac)
1	Development of nearby roads of the unit.	-
2	Organize health camps in nearby areas	0.84
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
7	Develop nearby Puja area shed or any other requirements arising in nearby areas	11.12
	Total	13.15



GRAPHITE INDIA LIMITED

NEGO, 8, H.O.: 31, CHOWRINGHEE ROAD, KOLKARA - 738 016, W.B., WOLA PHONE: 31 33 4082 9601, 2226 5756 / 4942 / 4943 / 5847 / 2354, 2217 1146 / 1146 RAX: 91 33 2248 6420, E-mail: gitroffgraphileinda.com NESSITE: www.graphileinda.com, CVI : L10401W81974PL2004e02

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 environmental 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.
- f) Setting environmental objectives and targets along with an integral process of periodical review to target enhancement of environmental performance.
- g) Conserving raw materials, natural resources and energy by reducing consumption and wastes
- 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 TUV 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

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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 TUV NORD CERT GmbH Valid from 11.06.2023 Valid until 10.06.2026 Initial certification 11.06.2023

Mumbai, 11.06.2023

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

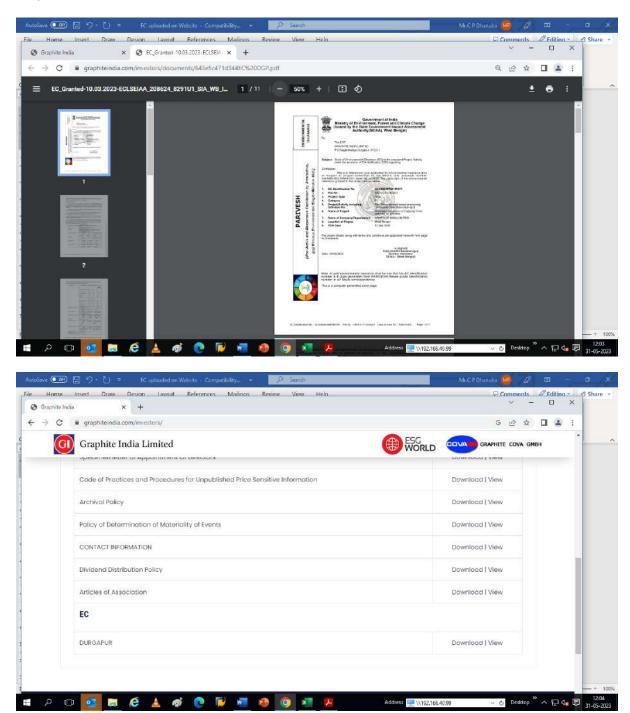
www.tuev-nord-cert.com

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 & 983385 L.R. Plot No.630, Class: Chira Mill, Area: 2880Sq. Kripa Sankar Mondal Advocate District Judges Court, Burdwan Bar Association Room No. 07, (Rashbihari aga 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 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.

নোটিস

এতোদ্বারা জনসাধারণকে জানানো যাইতেছে যে স্টেট এনভায়রনমেন্ট ইমপ্যাক্ট অ্যাসেসমেন্ট অথরিটি (SEIAA), পশ্চিমবঙ্গ, মৌজা গোপিনাথপুর জেলা পশ্চিম বর্ধমান, পশ্চিমবঙ্গ IL নং ৮৫ এবং মৌজা নডিয়া JL নং ৯২ 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 দৃষণ নিয়ন্ত্রণ পার্সদ এর সাথে উপলব্ধ

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



GRAPHITE INDIA LIMITED

DURGAPUR 719211, DIST. BURDWAN. E.Mail general dgp@grachteardia.com

DE: 13.03.2023

To, The Office of the Sabhadhipati, Paschim Bardhaman Zilia 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 Jocal bodies / relevant Government offices.

Dear Sir.

This is in reference to above mentioned Environmental clearance, we are summitting the copy of EC as per the attached EC condition in Point XI, ill 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 Falthfully,

For Graphite India Limited.

Ranadeep Enakraborty Vice President (Works)

Enclosed - As above



1



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

Ot: 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.

Vice President (Works)

Enclosed - As above

Received but Contents are not verified B. chakrubonty Recording Clerk DL&LRO, Paschim Barchamar

REGISTERED OFFICE 8 H.O. 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN-L10101WB1974PLC094602 Phone: +91-33-40029600 Fax: +91-33-40029676 E-Mail: gliro@graphiteindia.com Website: www.graphiteindia.com



DURGAPUR 713211, DIST- BURDWAN E-Mail: general dgp@graphteindia.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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For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above



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

CIN-L10101W31974PLC094602 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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Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

Racervad No. 327 dt. 13/03/23 RECEIVED WITHOUT VERIFICATION

> Juhan Pc Receiving Staff **Block Development Office**

Durgapur Faridpur

REGISTERED OFFICE & H.O. - 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN - L10101W81974PLC094502 Phone - +91-33-40029600 Fax: +91-33-40029676 E-Mail: gitro@graphiteindia.com Websits: www.graphiteindia.com



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



Dt: 13.03.2023

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

Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

0.07



DURGAPUR 713211. DIST- BURDWAN E-Mail general oppidgraphitanella 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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Government offices.

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

1819 2023 SDO Office Surgrapur

0.50



DURGAPUR 713211 DIST- BURDWAN E-Mail general dop @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

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

Goof -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, commisioner "

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 enakraborty Vice President (Works)

Enclosed - As above

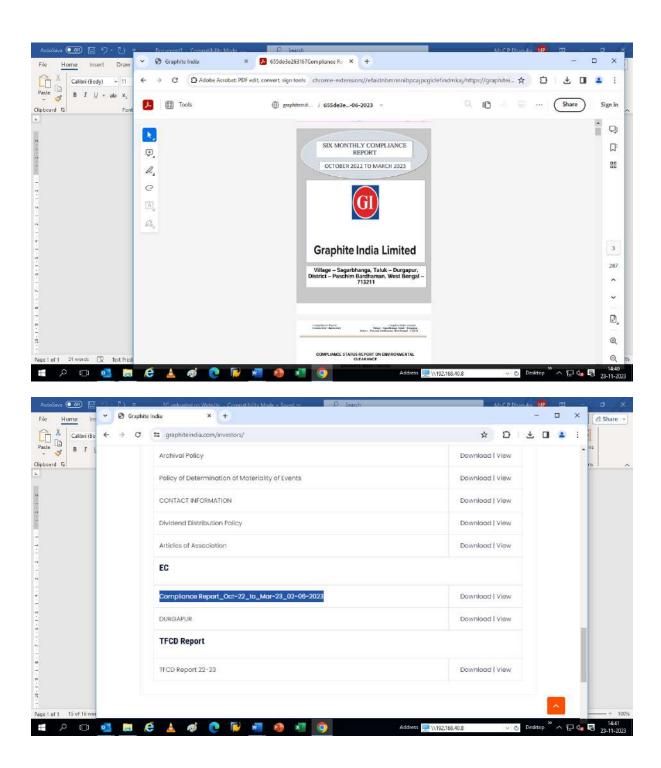
Congeous Number of Composition

00

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

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

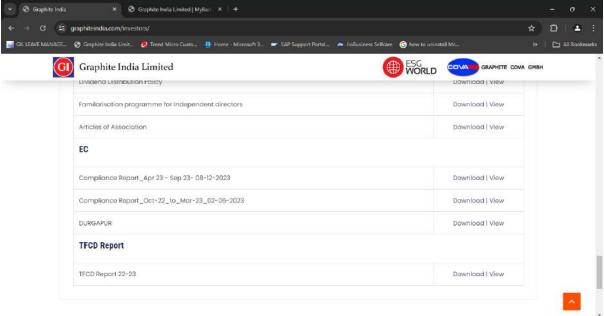
Link of Six monthly Environmental compliance Status Report (for the period Oct-22 to Mar-23) on our Website permanently uploaded on Website of www.graphiteindia.com under Investor relation page below **EC heading**



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**







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GRAPHITE INDIA LIMITED

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



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

Sub: "Environmental Statement" of M/s. Graphite India Limited, Durgapur 713211, W.B., for the financial year, ending 31st March, 2023 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)

End: Environmental Statement

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LED Light Photographs

