

GRAPHITE INDIA LIMITED

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

To

The Member Secretary State Level Environment Impact Assessment Authority (SEIAA) Prani Sampad Bhavan, 5th Floor, LB-2 Sector-III, Salt Lake, Kolkata-700106 Email ID: - msseiaa.wb@gmail.com

Dt: 02.06.2023

Sub.:

Submission of Six Monthly Compliance Report for the period of October 2022

to March 2023

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 Faithfully, For Graphite India Limited.

Ranadeep Chakraborty (Vice President Works) RECEIVED

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Signature with Date...

Contents not verified Department of Environment

Govt. of West Bengal

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

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GRAPHITE INDIA LIMITED

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

To
The Member Secretary
West Bengal Pollution Control Board
Paribesh Bhawan, 10A, Block – LA,
Sector- III, Bidhannagar,
Kolkata – 700 098

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SIX MONTHLY COMPLIANCE REPORT

OCTOBER 2022 TO MARCH 2023



Graphite India Limited

Village – Sagarbhanga, Taluk – Durgapur, District – Paschim Bardhaman, West Bengal – 713211

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	:	The project proponent will obtain
	Establish/Operate under the provisions of Air		Consent to Operate for expansion
	(Prevention & Control of Pollution) Act, 1981		project. Consent to Establish has
	and the Water (Prevention & Control of		been obtained. Consent to operate
	Pollution) Act, 1974 from the concerned State		for existing project are attached as
	Pollution Control Board Committee.		Annexure – 1.
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 will
			be applied after getting CTO.
vii.	The company shall strictly comply with the		The company will applicable rules
	rules and guidelines under Manufactures,		and guidelines. comply with the rules
	Storage and Import of Hazardous Chemicals		and guidelines under Manufactures,
	(MSHIC) Rules, 1989 as amended time to		Storage and Import of Hazardous
	time. All transportation of Hazardous		Chemicals (MSHIC) Rules, 1989 as
	Chemicals shall be as per the Motor Vehicle		amended time to time. All
	Act (MVA), 1989.		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,
	SPCB and CPCB online serves and calibrate		1986 will be installed.

SI.	Compliance conditions	:	Compliance status
	these systems from time to time according to		
	equipment supplier specification through labs		
	recognized under Environment (Protection)		
	Act, 1986 or NABL accredited laboratories.		
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.		3.
iii.	The project proponent shall install system to	:	Continuous Ambient Air Quality
	carryout continuous Ambient Air Quality		Monitoring will be installed. The
	Monitoring for common/criterion parameters		project proponent has monitored
	relevant to the main pollutants released (e.g.		Ambient Air Quality from NABL
	PM ₁₀ and PM _{2.5} in reference to PM emission,		accredited lab. Reports are attached
	and SO ₂ , and NO _x in reference to SO ₂ and NO _x		as Annexure – 3 .
	emission) within and outside the plant area at		
	least at four locations (one within and three		
	outside the plant area at an angel of 102°		
	each), covering upwind and downwind		
	directions. (case to case basis small plants:		
	Manual; Large plants: 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 installation 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
			of CPCB along with six-monthly

SI.	Compliance conditions	:	Compliance status
			monitoring report. Stack monitoring
			has been carried out. Reports are
			attached as Annexure – 3 .
V.	Appropriate Air Pollution Control (APC)	:	Appropriate Air Pollution Control
	system shall be provided for all the dust		(APC) system will be provided for 15
	generating points including fugitive dust from		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 – 4.
vi.	Sulphur content should not exceed 0.5% in the	:	This condition is not in project
	coal for use fired boilers to control particulate		configuration.
	emission within permissible limits (as		
	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		
	November, 2012 as amended time to time		
	shall be followed.		

SI.	Compliance conditions	:	Compliance status
X.	Storage of raw materials, coal etc. shall be		Storage of raw materials, coal, etc. is
	either stored in silos or in covered areas to		stored in covered areas to prevent
	prevent dust pollution and other fugitive		dust 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		will install 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).		
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 - 3 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.
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
	g		,

SI.	Compliance conditions	:	Compliance status
	Consent under the Air / Water Act, whichever		Pollution Control Board while
	is more stringent.		granting Consent under the Air /
			Water Act, whichever is more
			stringent.
V.	As already committed by the project		Zero Liquid Discharge is ensured
	proponent, Zero Liquid Discharge shall be		and no waste / treated water is
	ensured and no waste / treated water shall be		discharged outside the premises.
	discharged outside the premises (applicable in		
	case of the projects achieving the ZLD).		
vi.	Total fresh water requirement shall not exceed		Total fresh water requirement will not
	the proposed quantity or as specified by the		exceed the proposed quantity or as
	Committee. Prior permission shall be obtained		specified by the Committee. If
	from the concerned regulatory authority /		required prior permission will be
	SWID in this regard.		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 will practice
	harvesting to maximum possible extent.		rainwater harvesting as proposed in
			EIA.
ix.	The project proponent shall make efforts to		The project proponent has made
	minimise water consumption in the complex by		efforts to minimize water
	segregation of used water, practicing cascade		consumption in the complex by
	use and by recycling treated water.		segregation of used water and by
			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

SI.	Compliance conditions	:	Compliance status
	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 – 3 .
٧.	Energy Conservation measures		<u> </u>
i.	The energy sources for lighting purposes shall		The energy sources for lighting
	preferably be LED based.		purposes is LED based.
vi.	Waste management		
i.	Hazardous chemicals shall be stored in tanks,		Hazardous chemicals is stored in as
	tank farms, drums, carboys etc. Flame		per statuary norms and precaution
	arresters shall be provided on tank farm and		taken as regulatory requirement.
	the solvent transfer through pumps.		
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.		
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.

SI.	Compliance conditions	:	Compliance status
	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		A good greenbelt existing plant area.
	developed in the total project area and also in		Along the project area 4332 sq.m.
	the compensatory plantation area as proposed		plantation area as proposed by
	by the project proponent. In this regard, O.M.		project proponent will be developed.
	issued by MoEF&CC vide F No 22-		The plantation is available along the
	2312018.IA.III(Pt.) dated 31.10.2019 should		plant periphery and within the plant
	be strictly complied with, as the project is		area and also in the colony areas to
	located within the municipal boundaries of		meet the requirement. The project
	Durgapur Municipal Corporation which is		proponent has followed the
	declared as Severely Polluted Area. The		plantation plan submitted and
	plantation should be done mainly along the		uploaded in the PARIVESH portal.
	plant periphery, in downward wind direction,		Photographs are attached as
	and along road sides etc. and also in the		Annexure – 5.
	colony areas. Selection of plant species shall		
	be as per the CPCB guidelines in consultation		
	with the State Forest Department. The project		
	proponent should follow the plantation plan		
	submitted and uploaded in the PARIVESH		
	portal by them. In addition to greenbelt 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	<u> </u>	
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.		

SI.	Compliance conditions	:	Compliance status
			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
	on safety and health aspects of chemicals		employees on safety and health
	handling. Pre- employment and routine		aspects to 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 -
			6.
iv.	The project proponent shall carry out heat		This condition is not in project
	stress analysis for the workmen who work in		configuration.
	high temperature work zone and provide		
	Personal Protection Equipment (PPE) as per		
	the norms of Factory Act.		
٧.	Provision shall be made for the housing		Provision was made for the
	of construction labour within the site with		housing of construction labour
	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
			parking of vehicles for raw materials
L			

SI.	Compliance conditions	:	Compliance status
	raw materials and finished products, and no		and finished products, and no
	parking to be allowed outside on public places.		parking is allowed outside on public
			places. Parking photographs are
			attached as Annexure – 7 .
vii.	Occupational health surveillance of the		Occupational health surveillance of
	workers shall be done on a regular basis and		the workers will submit on a regular
	records maintained as per the Factories Act.		basis and records maintained as per
			the Factories Act. ESI challan has
			been attached as Annexure – 8 .
ix.	Environment Management Plan (EMP)		
i.	The project proponent should submit the		The project proponent will submit the
	proposed EMP on a six monthly basis. 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
			20 KLD kitchen waste water has
			been attached as Annexure - 9
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 will be
	submitted by the project proponent is given in		complied with and addressed in six
	Annexure – 3.		monthly compliance report.
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 – 10 .
	should prescribe for standard operating		

SI.	Compliance conditions	:	Compliance status
	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
	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.
	earmarked for environmental protection		
	measures shall be kept in separate account		
	and not to be diverted for any other purpose.		
	Year wise progress of implementation of		
	action plan shall be reported to the Ministry of		
	Environment, Forests & Climate Change /		
	State Environment Impact Assessment		

SI.	Compliance conditions	:	Compliance status
	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 quality basis and reports of
	environmental audit shall be carried out.		the same is submitted to WBPCB. a
			Every year third party
			environmental management system
			audit carried out.
X.	Additional conditions	l	
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 is in process
	board for display of all the environmental		of installation of display board for
	parameters including sensor-based air, water		display of relevant environmental
	and noise quality monitoring stations as		parameters.
	proposed within their premises.		
xi.	Miscellaneous	1	
i.	The environmental clearance accorded shall		The given condition is noted.
	be valid for a period of 10 years for the		
	proposed project.		
ii.	The project proponent shall make public the		The project proponent has made
	environmental clearance granted for-their		public the environmental clearance
	project along with the environmental		granted for-their project along with
	conditions and safeguards at their cost by		the environmental conditions and
	prominently advertising it at least in two local		safeguards at their cost by
	newspapers of the District or State, of which		prominently advertising in two local
	one shall be in the vernacular language within		newspapers of the District or State,
	seven days and in addition this shall also be		of which one shall be in the

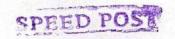
SI.	Compliance conditions	:	Compliance status
	displayed in the project proponent's website		vernacular language and is also
	permanently.		displayed in the project proponent's
			website permanently. Advertisement
			and screenshot of the website copy
			of local newspaper has been
			attached as Annexure – 11 .
iii.	The copies of the environmental clearance		The copies of the environmental
	shall be submitted by the project proponents to		clearance is submitted by the project
	the Heads of local bodies, Panchayats and		proponents to the Heads of local
	Municipal Bodies in addition to the relevant		bodies, Panchayats and Municipal
	offices of the Government who in tum has to		Bodies in addition to the relevant
	display the same for 30 days from the date of		offices of the Government. The
	receipt.		intimation copy has been attached
			as Annexure – 12 .
iv.	The project proponent shall upload the		The project proponent will upload
	status of compliance of the stipulated		the status of compliance of the
	environment clearance conditions, including		stipulated environment clearance
	results of monitored data on their website and		conditions, including results of
	update the same on half-yearly basis.		monitored data on their website and
			updat the same on half-yearly basis.
V.	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; PM!0, 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 display
	the website of the company.		the same at a convenient location for
			disclosure to the public and put on
			the website of the company.
vi.	The project proponent shall submit six-		The project proponent will submit
	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.
L	I		

SI.	Compliance conditions	:	Compliance status
	Environment, Forest and Climate Change at		
	environment clearance portal with a copy to		
	SEIAA/WBPCB.		
vii.	The project proponent shall submit the		The project proponent has submit
	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 – 13 .
	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 where in the details of the
	SEIAA and WBPCB, the date of financial		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.		
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.

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

SI.	Compliance conditions	:	Compliance status
	any other Court of Law relating to the subject		
	matter.		
xvii.	Any appeal against this EC shall lie with the		The condition will be followed.
	National Green Tribunal, if preferred, within a		
	period of30 days as prescribed under Section		
	16 ofthe National Green Tribunal Act, 2010.		

Annexure – 1



NOC NO172047

WEST BENGAL POLLUTION CONTROL BOA

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

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

Dated 31.03,2023

From:

Member Secretary,

West Bengal Pollution Control Board

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

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

Ref: iyour letter No. Nil Dated 24.03.2023

ii) Environmental Clearance issued by 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, Sagarbhanga, 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

ax from 52 KTPA to 67 KTPA(additional production of 15000 MTPA)

at existing Unit at Sagarbhanga, Lurgapur, Paschim Bardhaman, West
this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point
Bengal.

- 1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
- 2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
- 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

Yours faithfully,

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

Dated......Ghief.Engineer......

W. B. Pollution Control Board

(EIM CELL)

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 Kalyani Expressway

P.O. Narayanpur

Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan

Paribahan Nagar

Matigara, Siliguri

Dist.-Darjeeling

10. Camac Street 2nd Floor Kolkata-700 017

Dist. 24 Pgs. (N)

Paribesh Bhawan 10A, LA-Block, Sector-III

Salt Lake City, Kolkata - 700 098 Block-05 at 40

Flats Complex Adjacent to Priyambada

Housing Estate P.O.: Khanjanchak, P.S. Durgachak Haldia-721602

Dist.: Purba Medinipur

Satya Chowdhury Indoor Stadium Balurchar Bandh Road Malda-732101

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

Member Secretary Chief West Bengal Pollution Control Board W. B. Pollution Control Board

Dept. of Environment, Govt. of W.B.

Annexure I to NOC SI. No. - NO172047

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

Emission :-

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

- Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB. Particulate emission from all stacks shall be less than 30mg/Nm³.
- The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
- 3) Dry fog system and water sprinklers to be installed to arrest fugitive emission.
- 4) 24X7 continuous emission monitoring system at process stacks to be installed and as well as Continuous Ambient Air Quality Station for monitoring AAQ parameters to be installed.

Effluent :-

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

Solid Waste: -

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

General:-

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

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

Annexure I to NOC 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 BOARD

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



Consent Letter Number: C0110270

Memo Number: 25- dr- Co. 7/12/0344-

Date: 04-01-19.

Consent to Operate

under

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

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to:
Graphites India Limited
(Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at Sagambhanga, Durgabur, P.S Coke Oven Pacching bardhaman
713211
(Detailed address of the manufacturing unit)
for a period from date of issue to 30/11/2023
to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.
Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.
 The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant. The built phould comply with all the directions of the Board issued time to time and all the terms and conditions of the previous consent to operate vide vo. Coog 2315 dated 09/11/2015.

Quition Consolidation Consolid

For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Assistant (Assistant Assistant Assistant Assistant Assistant Assistant (Member Secretary/Chief Engr./ Sr. Env. Engr. / Assistant (Member Secretary/Chief Engr./ Sr. Env. Env. Engr./ Sr. Env. Engr./ Sr. Env. Engr./ Sr. Env. Engr./ Sr. Env. Engr./ Sr.

West Bengal Poliution Control Doard

ANNEXURE

	, Fraphite India L							
for its uni	at Sagare hange, Durgabur, Jacobin Bardhaman-7132	P.S-Coke Oven,						
	applien Bardhaman-7132	11						
Condition	as :							
01. T	his Consent is valid for the manufacture of:-							
Sl. No.	Name of major products and by-products	Quantity manufactured per month						
01	Efectode	4333,33 MT						
02	Pitch Coke	102.97 MT						
03	Met Coke fines (60-froducts) Graphite fines (60-froducts)	919.68 MT						
04	Graphite fines (60-Products)	633.50 MT						
05	Coal Thro Pitch from Est Bo-Prod	vets) A 28.52 MT						
06								
07		West Company of the C						
08								
09								
10								
11	TER BUILDING							
12		/ATE						
02. The	Applicant shall remain responsible for quantity and quality	of liquid effluent and air emissions.						
03. Dail	y discharge of industrial liquid effluent shall not exceed	KL						
04. Dail	y discharge of domestic liquid effluent shall not exceed	KL.						
05. Dail	y discharge of mixed (industrial & domestic) liquid effluent	shall not exceed 453 KL						
06. The	Applicant shall discharge liquid effluent to Quat sider	ofter treatment (place of discharge)						
throu	nos. outlets / outfalls	s.						
	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.							
wast	Applicant shall provide comprehensive facility for treatmer e (sewage, sullage and liquid effluent generated from muously so that the quality of final effluent conforms to the	canteen), and operate and maintain the same						

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

Assistant Environmental Engine Durgapu Continuental Office West Bengal Pollution Control Durgaput

Consent to	(78	abhite	India	Limites	
	at Sogarl				<u> </u>
	Parchim				

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
1	Mixed	рH	Between: 5.5to9.0	1/2 yearly
2	Mixed	Total Suspended Solids	Not to exceed: 100 mg/1.	, 0
3 .	Mixed	Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.	
ν.		Chemical Oxygen Demand	Not to exceed: 250 mg/1.	
		Oil & Grease	Not to exceed: 10 mg/1.	
		ALTER AND AND ADDRESS OF THE ADDRESS		
		WEST BEN	IGAL	
		The same of the sa		
		The second secon		

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

 - Domestic purpose → 30, 00 KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable

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

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)
Assistant Environmental Engineer
Durgapur Regional Office

West Bengal Political Board

10-

Consent to	G180	bhite	India	Limit	ted	
for its unit at	Soger	6 homge	. Dungabi	No. P.S.	- Coko	Overs
	()	. C	mom = Fl			,

- 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	Concentrations of parameters not to exceed			exceed	Frequency of emission sampling	
	G.I., (in mts.)	if any):	WES	7 -	SPM (mg/Nm³)	CO (%v/v)	AL			
S-I				الميان والمراضية						-
S-2		P.		A						
S-3		1	000	To A	NN-6	xuo	Q	1		
S-4	4	-		+4		127 i.u. 177 i.u.	7			
S-5			4							
S-6										
S-7										
S-8	×		·.							
S-9										
S-10										
										Marine

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

Adsistant Environmental Engine Durgapur Ragioned Office West Bengal Pollution Control Dua

- 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	CBM Gas	6225,76.75 W	buth Boiler & different turnaco
02	Furnace Oil	422.66 KL/MO	4 (1)1
03	HSD /		Different Doy sets
04			
05			

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

Type of waste	Quantity	Treatment	Disposal
		The second second	rd.

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.)	75
Night Time (09 p.m. to 06 a.m.)	70

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

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

Assistant Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Duald

Consent to	phite India	v Limited	
for its unit at Sa gove !	shomga Divo	gobur, P.S-	- Coke Over
Parelins	Bardhaman -	713211	

- 24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 26. The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the State Board's staff as well as State Board's authorised agencies.
- 27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
- 28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
- 29. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
- 30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
- 31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
- 32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
- 33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
- 34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (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. Consent may be veroked and ject to amy very public itional Conditions of environmental norms.	
7 hi	, Consent may be veroked public to omy very pulic	complain for vie
Add	itional Conditions of environmental nursus.	Reserved
		Deserve

(Member Secretary/Chief Engr./ Sr. Env. Engr./ 主張 Engr./ Engr./

West Bengal Pollution Control Doar

Consent to Graphite India Limited	
for its unit at Sagarishanga, Durgabur, P.SCoke Oven,	***
for its unit at gardin Bardhaman + 13211	
Tarollum Bardhamam - T 3211	

- 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	CBM Gas	622576.75 W	with Boiles & different turnace
02	furnace Oil	422-66 KL/MO	whith Baking turnace
03	HSD		Different D. 4 sets
04			
05			

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

Type of waste	Quantity	Treatment	Disposal
	and the same of th		
			d

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.)	75
Night Time (09 p.m. to 06 a.m.)	70/

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

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

Assistant Environmental Engineer
Durgapur Regionæll.Office
West Bengal Pollution Control Doald

4

Annexure I of Consent to Operate Sl. No. **CO110270** of **M/s. Graphite India Limited**, located at Sagarbhanga, Durgapur, P. S- Coke Oven, Paschim Bardhaman-713211

Stack No.	Stack ht. from G. L in mts.	Stack attached to (sources and control system, if any):	Volume Nm³/hr.	Velocity of gas emission m/sec	Concentrati parameters excee	not to	Frequency of sampling	
					SPM (mg/Nm³)	CO (% v/v)		
1	30	Mixture Fume Extractor (North) (Extrusion Dept.)			150	1	Half yearly	
2	30	Mixture Fume Extractor (South) (Extrusion Dept.)			150	1	Half yearly	
3	30	Cooler North (Extrusion Dept.)			150	1	Half yearly	
4	30	Cooler South (Extrusion Dept.)			150	1	Half yearly	
5	30	Fume Extractor (West side) weigh floor (Extrusion Dept.)			150	1	Half yearly	
6	7	Raymond Mill Dust Collector (Extrusion Dept.)			150		Half yearly	
7	7.1	Scrap System Dust Collector (Extrusion Dept.)			150		Half yearly	
8	12	Main Dust Collector (Extrusion Dept.)			150		Half yearly	
9	10	Baking Milling Dust Collector			150		Half yearly	
10	30	Baking Furnace (Fce. 1 to 5 side)			150	1	Half yearly	
11	30	Baking Furnace (Fce. 6 to 10 side)			150	1	Half yearly	
12	30	Ried Hammer Furnace (Baking Dept.) (14 SECTION)			150	1	Half yearly	
13	45	Ried Hammer Furnace (Baking Dept.)(16 & 24 SECTION)			150	1	Half yearly	
14	30.48	P.I. UNIT 1 (THERMOPACK STACK)			150		Half yearly	
15	30	P.I. UNIT 1 (HGG STACK)			150		Half yearly	

16	30	P.I. UNIT 2 (THERMOPACK STACK)				150		Half yearly
17	30	P.I. UNIT 2 (HGG STACK)				150		Half yearly
18	10.67	LWG # 3(MILLING)				150		Half yearly
19	13	Finishing Dust Collector (North)				150		Half yearly
20	15	(Unit 1) Finishing Dust Collector (Unit 2)				150		Half yearly
21	9.75	FINE SCREENING DUST COLLECTOR				150		Half yearly
22	29.29	Boiler (1.5 Ton & 2Ton) 2.0 Ton Running				800 at 12 % Co correction	1	Half yearly
23	30	Tunnel Kiln – 1 (Re- baking Furnace)				150	1	Half yearly
24	13	Finishing Unit – 3 (Dust Collector)				150		Half yearly
25	30	P.I. Unit – 3 (HGG Stack)				150		Half yearly
26	30	Tunnel Kiln – 2 (Re- baking Furnace)				150		Half yearly
27	30	P.I. Unit – 3 (Thermo pack Stack)				150		Half yearly
28	30	New Extrusion Department Thermic Fluid Heater			L	150	1	Half yearly
29	34	New Extrusion IRICH Dust Collector				150		Half yearly
30	34	New Extrusion Main Dust Collector		-		150		Half yearly
31	12.5	New Extrusion Raymond Mill Dust Collector				150		Half yearly
32	15	New Extrusion Silo Dust Collector				150		Half yearly
33	8	New Extrusion IRICH (Trema) Scrubber System				150	1	Half yearly
34	18	Acheson Dust Collector	±			150		Half yearly
35	17	New Extrusion Scrap system Dust collector				150		Half yearly
36	15	Finishing Unit – 3 (South Side) Nipple Dust Collector				150		Half yearly

1. 1				
7		Finishing Unit – 2		Half yearly
37	11.58	Nipple line Dust	150	
		Collector		
		R.H16 Stock		Half yearly
38	10	Cleaning Machine	150	
		Dust Collector		
		P.I2 Turning		Half yearly
39	15	Machine Dust	150	
		Collector		
		P.I3 Turning		Half yearly
40	15	Machine Dust	150	
		Collector		

Round

AEE & I/C Durgapur R. O, WBPCB

Assistant Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Doald

Mr. Dhanuka .

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : C0131904

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

Memo Number: 348 - 7/WPBD - Cont(408) /98 (Pt-VII) Date: 14/12/2020

of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to:

Consent to Operate

under

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

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control

Ms. Graphite India Kimited
(Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at existing factory premises
Sagarbhanga, Durgapur, P.SCoke Oven, Dist-Paschim Burdwan, Pin-713211.
Burdwan, Pin - 713211.
(Detailed address of the manufacturing unit)
for a period from date of issue to 30/11/2023.
to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.
Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.
The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of

For and on behalf of the State Board

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

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

ANNEXURE

Consent to Mls. Graphite India dimited
for its unit at existing factory premises Sagarbhanga, Dungapur,
P.S Coke Over, Dist-Paschim Burdwan, Pin-713211.

Conditions:

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

	T	
Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	CFO for it's new Pitch	Production of electrode
02	Impregnation Unit (PI unit#4)	will remain same as
03	Pitch Impregnated, electrode	accorded in last CFO
04	is intermediate process of	(S1. 20, CO110270)dt.
05	total finished product	04/06/2019
06	52000 MTPA)	
07		
08		
-09		
10		
11		
12	\##\\##\	

02.	The Applicant shall	remain responsible	for quantity and qu	ality of liquid	effluent and air emissions.
-----	---------------------	--------------------	---------------------	-----------------	-----------------------------

- 04.
- The Applicant shall discharge liquid effluent to existing hacility (place of discharge) throughnos. outlets / outfalls.
- 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.
- The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

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

Environmental Engineer W. B. Poliution Control Boarded..... Operation & Execution Cell

Consent to Mls Graphite India dimited
for its unit at Sagarbhanga, Durgapur, P.S Coke Oven, Dist-Paschin
Burdwan, Pin-713211

Table-I

No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Mixed	рН	Between: S.S. to 9,0	Half-Yearl
	"	Total Suspended Solids	Not to exceed: 100 mg/1.	Half- Tear
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.	
×		Chemical Oxygen Demand	Not to exceed: 250 mg/1.	
		Oil & Grease	Not to exceed: 10 mg/1.	
			(0)	
			2	
		TATE OF THE PARTY	_ A I	
		WESTER	CAL	
			No. of the last of	

09.	The Applicant falls in the
	and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the
	provisions of the said Act and Rules made thereunder.
10.	Daily water consumption for the following purposes should not exceed:-
	• Industrial cooling, spraying in mine pits and boiler feed water - as per existing facility
	(Water used for gardening should be included in this category of use)

 Processing whereby water gets polluted and the pollutants are not easily biodegradable

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

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

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

Consent to MIS. Graphite India Limited.

for its unit at existing factory premises Egarbhanga, Durgapus,

P.S. - Coke Oven, Dist - Paschim Burdwan, 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

					ne-11				
Stack No.	Stack height from	Stack attached to (sources and control system.	Volume Nm³/hr.	Velocity of gas emission	Concentrations of parameters not to exceed			ed Frequency of emission sampling	
	G.I., (in mts.)	if any):	WE	m/sec	SPM (mg/Nm³)	CO (%v/v)	AL		
S-I	30.5	P. I. Unity (Thermopae wet Scrubb	IK Stack)	with	150	_			Half Yearh
S-2	35.8.	P.I. Unit	System)		150		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		-do -
S-3	8.5 (Separat	Dr.G. Set (with a cons	2x500 ricendo	KVA) well	120	1			-do-
S-4	Stack)								
S-5							1 ·=1 ·		THE SHAPE
S-6							= = E		
S-7						2			
S-8			,						2
S-9									
S-10				=	-				

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

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

Consent to Mls. Graphite India dimited.

for its unit at Sagarbhauga, Dungapur, P.S. - Coke Oven, Dist-Paschim Burdwan, 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	CBM Gas	1,5,0,000 m3/mouth	P. I Unit#4
02			T ani # 9
03			
04			
05	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
Pitch Condensate	6 MT/ Year		to be disposed aff thro
			WBWML / Haldia

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) Leq
Day Time (06 a.m. to 09 p.m.)	75
Night Time (09 p.m. to 06 a.m.)	70

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

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

Environmental Engineer
W. B. Poliution Control Board
tinued......
Operation & Execution Cell

Consent to Mls. Graphite India Limited.	
for its unit at Sagarbhanga, Dungapur, P.SCoke Oven, Dist-	Paschin
Burdwan, Pin-713211	

- 24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
- 27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
- 28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
- 29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
- 30. The Application shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
- 31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
- 32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
- 33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
- 34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (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 See Annexure.

(Member Secretary/Chief Engr./ Sr. Env. Engr. Enwironmentalt Engineen.)

W. B. Pollution Control Board
Operation & Execution Cell

Annexure to Consent Letter Number - CO131904

Additional Conditions issued **M/s. Graphite India Limited at** existing factory premises Sagarbhangaa India Limited , Durgapur, P.S-Coke Oven, Dist- Paschim Bardhaman, PIN-713211

- 1. The unit should comply all the conditions mentioned in Consent to Establish (NOC) issued vide meo no.285-7/WPBD-Cont(408)/98 dated 27.10.2016 in favour of the industry for new Pitch Impregnation Unit(PI Unit#4) at existing factory premises by replacing of existing Pitch Impregnation Unit(PI #1).
- 2. The unit should obtain all the statutory licenses as applicable from other concerned Govt. Department.
- 3. This consent may be revoked at any time on violation of environmental norms.
- 4. The unit shall comply the State Board direction issued vide memo no.1406-7/WPBD-Cont(408)/98(Part-VII) dated 02.12.2020.
- 5. The unit shall demolish the existing Pitch Impregnation Unit(PI#1) immediately and submit the report of same before the State Board.
- 6. This consent to Operate is valid for operation of new Pitch Impregnation Unit(PI Unit#4) Pitch Impregnated electrode is intermediate process of total finished product Electrode-52000 MTPA will remain as existing production capacity at existing plant premises.

Environmental Engineer West Bengal Pollution Control Board

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

For newords share flew 1/2/22

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number: 6012 3373

Memo Number: 1302-7/08/BD-cont (408)/98 (pt. - 411).

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

26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to:	
Graphite STABLE Amited (Address of Regd office/Head/Office/City Office)	
(hereinafter referred to as Applicant) for its unit located at P.O. Sogar Changa, Dwg Aow P.S. Coke Over, Paechin Bardhaman - 713211	
for a period from OIOO 22 to 30 11 2023 to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986. Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the	
applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.	

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Accordance Environmental Engineer

Environmental Engineer and Pollution Cont. 1 Boat

ANNEXURE

Conse	ent to	Graphite India Limited
for its	s unit at	Graphite India Limited 1.0- Sagarbhanga, Durgapur, P.S-Coke Oven, Parchim Bardhaman-713211
		Parchim Bardhaman - 713211
01.	litions This	Consent is valid for the manufacture of: Operation of New RH 24 Section Baking Furnace (# II)
Sl.	No.	Name of major products and by-products Quantity manufactured per month
0	1	
0)2	
0)3	
0)4	
0)5	WESTBENGAL
0)6	
()7	
()8	
()9	
-	10	
-	11	
	12	
02.	The A	pplicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03.		discharge of industrial liquid effluent shall not exceed
04.		discharge of domestic liquid effluent shall not exceed
05.	Daily	discharge of mixed (industrial & domestic) liquid effluent shall not exceed
06.	The A	pplicant shall discharge liquid effluent to DMC Nullal (place of discharge) the shall discharge liquid effluent to DMC Nullal (place of discharge) the shall discharge liquid effluent to DMC Nullal (place of discharge)
07.		ng into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform pard and obtain prior permission of the Board in this effect.
08.	waste	<i>Applicant</i> shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid to (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same muously so that the quality of final effluent conforms to the <i>Standard</i> as given in Table-I in page 03.

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

Consent to Graphite India Limited	
for its unit at P.O - Sagarbhanga, Durgabur, P.S-Cake Oven,	
Parchim Bardhaman-713211	

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Mixed	pH	Between: 5.5 to 9.0	17
		Total Suspended Solids	Not to exceed: / 50 mg/1.	yearly
,		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.	70
`		Chemical Oxygen Demand	Not to exceed: 250 mg/1.	
\		Oil & Grease	Not to exceed: 10 mg/1.	
-				
		WESTEL	$(-\Delta)$	
		TITES: DE:		
			87	
				•
			Walland Janes	

- and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.
- 10. Daily water consumption for the following purposes should not exceed :-
 - 50.00 KL Industrial cooling, spraying in mine pits and boiler feed water (Water used for gardening should be included in this category of use)
 - 10,00 Domestic purpose
 - Processing whereby water gets polluted and the pollutants are easily biodegradable
 - Processing whereby water gets polluted and the pollutants are not easily biodegradable

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

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Envision College | Box Durgapur Pollution College | Box Durgapur

Wast Bengal Pollution C

Consent to	Grabi	hite In	dia Lin	mited		
for its unit at?	1,0- Sago	arbhanga	Durga	bur, P.s-	Coke Ov	en
	Pacchin	arbhanga Bardho	man- 7	13211		,

- 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	Concent	rations of	'paramet	ers not to	exceed	Frequency of emission sampling
	G.I., (in mts.)	if any):	WES	m/sec	SPM (mg/Nm³)	CO (%v/v)	AL			
S-I	45m	1x RH24 Sec. Baking Furr (#II)	Hon lace —	_	150		×			yearly
S-2	30m	Stock Cle Machine	aning _	_	150					yearly
S-3	*11m	D. W pet			150		-			Jearlo
S-4	/					7	7			
S-5										
S-6							_			
S-7										
S-8			·							
S-9										
S-10										

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Environmental Engr. / Environmental Engr. / Boar Durgapur Regional Cont. / Boar Whast Bengal Polymore

Consent to Graphite India Limited
· · · · · · · · · · · · · · · · · · ·
for its unit at P.O- Sagarbhanga, Durgabur, P.S-Coke Oven, Parchim Bardhaman-713211
Tarchim Barahaman - T. 3211

- 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.
- 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	CBM	87000 m3/month	1x RH 24 section Baking Furnace (#1
02	HSD		1x 500 KVA D. 4 pet
. 03			
04			
05			

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

Type of waste	Quantity	Treatment	Disposal

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

75
70

- 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.
- 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.
- 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.
- 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

29/12/204 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. / Asst. Env. Engr. / Asst. Env. Engr Durgapur Continued Carily 1 Boars
Wast Bengal Politicary

Consent to Graphite India Limited
for its unit at P.O. Sagarchanga, Durgabur, P.S. Coke Oven,
Parchin Bardhaman - 713211

- 24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control sys-
- 25. The Applicant shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
- 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.
- 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.
- 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 60 (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.

	The Applicant shall comply with the conditions as laid dow	
	Chemicals Rules, 1989 and Hazardous Wastes (Manageme	ent & Handling) Rules, 1989.
	Chemicals Rules, 1989 and Hazardous Wastes (Manageme The Dun't rehould comply of itional Conditions Annaxure to Consent Letter	the fle Special Constitute mentioned
Add	itional Conditions Annakura to consent the	of Colod 22 1 100 man
08	344 dated 22/11/2017.	0/10/2012
	17 aut 2-11/219.	X 29 12 2022 Engine

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

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.

Annexure – 3

STATESTAR, NOISE LEVEL & EFFLUENT

SAMPLING



ANALYSIS REPORT

M/s. Graphite India Limited

Durgapur - 7/32/1, Dist. - Paschim Bardhaman, West Bengal,

FEBRUARY - 2023

PREPARED BY :

INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur P.O.–Khanjanchak, Haldia Dist. – Purba Medinipur, Pin Code – 721 602

Harbati Goluj

Manager
INVICATIVE CONSULTANT INDIA











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-133/2023	Format No: ICI/FM/H/58				
Customer Name	0.0	M/s. GRAPHITE INDIA LTD.	Sample ID No	3	2023/A-133		
Address	N	Durgapur - 713211, Dist Paschim Bardhaman. West Bengal.	Sampling Date		03,02,2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		02:10 PM		
Name & Contact Number	X	Mob. No. 9332039296	Analysis Start Date	0	08.02.2023		
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		09.02.2023		
#Sample Description		STACK AIR					
#Location	- 6	MIXTURE FUME EXTRACTOR (NORT	MIXTURE FUME EXTRACTOR (NORTH) (EXTRUSION # 1 DEPT)				
#Stack No.	1	01	01				
Sample Condition		In Glass Microfiber Thimble	In Glass Microfiber Thimble				
Sampling Method	10	CPCB, Emission Regulation (Part III)					

A.I # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	Y.	Circular
Stack attached to		MIXTURE FUME EXTRACTOR	Material of Construction	- 0	M.S
		(NORTH) (EXTRUSION # 1 DEPT)			
Emission due to		Due to Mixing	Stack ID at sampling point (M)	- 1	0.72
Fuel Used		Electricity	At Bottom (M)		2
Rated Fuel Consumption	į,	=	At Top (M)		*
Working Fuel Consumption	16	and the second second	Height Details:		
Calorific Value(Kcal/kg)	*	A STATE OF THE STA	a) Total Ht. Of stack from GL(M)	3	30.0
			b) Total Ht. Of stack from RL(M)		-
Sulpher Content (% by Wt)			c) Ht. of sampling port from GL(M)	1	26.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)		7
Pollution Control Device	:	Nil			
Whether Stack is provided wit	n per	manent Platform / Ladder Yes			

B. PHYSICAL DATA:					
Flue Gas Temperature (°C)	A SUPERIOR OF THE PERSON OF TH	30	Steam Generation Capacity		
Barometric Pressure (mm Hg)		755	a) Rated	*:	
Velocity of Gas flow (m/s)		13.23	b) Running		
Quantity of Gas flow (Nm3/hr)		18970.49	Load a) Rated		
Pressure	11	A 141	b) Running	-	

C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	: 24.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		15 11255 (Part +1): 1965 (RA 2019)
03	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)

Prepared Dwy dal

Checked By A Patra

For, INDICATIVE CONSULTANT INDIA

Quality Spager | 111 Signatory Authority Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note. 1 # Information provided by customer

2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only

5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.

6 The reproduction of the report except in full is invalid without written approval of the laboratory

7 Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Testing: Haldia Laboratory

-----End of Report-----

Page 1 of 1

CENTRAL LABORATORY:

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-135/2023 Format No: ICI/FM/H/58			
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	100	2023/A-135
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	-	03.02.2023
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	(1)	11:10 AM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	5	08.02.2023
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		09.02.2023
#Sample Description	: STACK AIR			
#Location	MIXTURE FUME EXTRACTOR (SOUTH	H) (EXTRUSION # 1 DEPT))	
#Stack No.	02			
Sample Condition	In Glass Microfiber Thimble			
Sampling Method	CPCB, Emission Regulation (Part III)		***	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	10	Square
Stack attached to		MIXTURE FUME EXTRACTOR (SOUTH) (EXTRUSION # 1 DEPT)	Material of Construction		M.S
Emission due to		Due to Mixing	Stack ID at sampling point (M)	10	0.406m×0.406m
Fuel Used	1	Electricity	At Bottom (M)	18	2.00
Rated Fuel Consumption	S	2 100	At Top (M)	10	
Working Fuel Consumption			Height Details:		
Calorific Value(Kcal/kg)	16		a) Total Ht. Of stack from GL(M)	- 1	30.0
			b) Total Ht, Of stack from RL(M)	- 2	9.605e267
Sulpher Content (% by Wt)			e) Ht of sampling port from GL(M)		16.0
Ash Content (% by Wt.)			d) Ht of port from disturbance zone (M)	10	enter the control of the control of
Pollution Control Device	10	Nil			

Whether Stack is provided with permanent Platform / Ladder Ves

B. PHYSICAL DATA:						
Flue Gas Temperature (°C)	13.7	27	Steam Generation Capacity	:		
Barometric Pressure,(mm Hg)		755	a) Rated		-	
Velocity of Gas flow (m/s)	A	15.61	b) Running		W 10. 18	
Quantity of Gas flow (Nm3/hr)	9	9153.30	Load a) Rated		4	
Pressure			b) Running			

C. RESULT OF SAMPLING:

SI. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		23.0	10 11355 (P-+ 1) 1005 (P + 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ²)	1	-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared BAMONIFA

Checked A Patra

Parba Goder
(Quality, Janeger)
Signatory Audiorny
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: | # Information provided by customer

2 Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Testing: Haldia Laboratory

----End of Report----

Page 1 of 1









(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-134/2023	Format No: ICI/FM/H/58	58				
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	1.8	2023/A-134			
Address	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	*	03.02.2023			
#Customer Representative	Mr. C. P Dhanuka	Sampling Time		12:30 PM			
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	1.0	08.02.2023			
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		09.02.2023			
#Sample Description	STACK AIR						
#Location	COOLER NORTH (EXTRUSION # 1 DEI	PT)					
#Stack No.	03						
Sample Condition	In Glass Microfiber Thimble	In Glass Microfiber Thimble					
Sampling Method	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack		Circular
Stack attached to	12	COOLER NORTH (EXTRUSION#1 DEPT)	Material of Construction		M.S
Emission due to	M	Cooling Operation	Stack ID at sampling point (M)	-	0.55
Fuel Used	40	Electricity	At Bottom (M)	9	-
Rated Fuel Consumption		TO SERVICE OF THE PROPERTY OF	At Top (M)		-
Working Fuel Consumption		A STATE OF THE STA	Height Details :		
Calorific Value(Keal/kg)		¥	a) Total Ht. Of stack from GL(M)		30.0
			b) Total Ht. Of stack from RL(M)		¥
Sulpher Content (% by Wt)		4	c) Ht. of sampling port from GL(M)		15.0
Ash Content (% by Wt.)	16		d) Ht. of port from disturbance zone (M)		
Pollution Control Device	:	Nil			
Whether Stack is provided wit	h peri	manent Platform / Ladder Ves			

B.I PHYSICAL DATA:

Flue Gas Temperature (°C)	3	29	Steam Generation Capacit	v :		
Barometric Pressure,(mm Hg)	¥	755	a) Rated	10.00	14	
Velocity of Gas flow (m/s)		19.08	b) Running		9 3	
Quantity of Gas flow (Nm3/hr)	4	16019.13	Load a) Rated		-	
Pressure			b) Running		14	

C.] RESULT OF SAMPLING:

SI, No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	3	20.0	TO 11055 (D 11 1005 (D.1 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

(Quality Vianage) 111 Signatory Authority er INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

The reproduction of the report except in full is invalid without written approval of the laboratory

Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing, Haldia Laboratory

----End of Report-----

Page 1 of 1

CENTRAL LABORATORY :











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-136/2023	Format No: ICI/FM/H/58					
Customer Name	. 0	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-136			
Address		Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	1 2	03.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	77	09:40 AM			
Name & Contact Number		Mob. No. 9332039296	Analysis Start Date		08.02.2023			
#Work Order No.	- 8	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	10	09.02.2023			
#Sample Description	1	STACK AIR	EN PHILIPPINE					
#Location	1 8	FUME EXTRACTOR (WEST SIDE) WEI	GH FLOOR (EXTRUSION	# 1 DE	EPT)			
#Stack No.	- 0	05						
Sample Condition		In Glass Microfiber Thimble	n Glass Microfiber Thimble					
Sampling Method		CPCB, Emission Regulation (Part III)						

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		ALT V	Shape of Stack	1	Circula
Stack attached to		FUME EXTRACTOR (WEST SIDE)	Material of Construction	13	M.S
		WEIGH FLOOR			
		(EXTRUSION # 1 DEPT)			
Emission due to		Mixing Operation	Stack ID at sampling point (M)		0.78
Fuel Used	1.5	Electricity	At Bottom (M)	1	18
Rated Fuel Consumption	3	and the second s	At Top (M)	Ť	
Working Fuel Consumption		A	Height Details:		
Calorific Value(Kcal/kg)		A 10 mg	a) Total Ht. Of stack from GL(M)	0	30.0
S. W. S.			b) Total Ht, Of stack from RL(M)		7/2
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)		26.0
Ash Content (% by Wt.)		Amazon -	d) Ht of port from disturbance zone (M)	<u> </u>	- 2
Pollution Control Device	1	Nil			

B.I PHYSICAL DATA:

B. FILISICAL DATA.	The second second second					
Flue Gas Temperature (°C)		27	Steam Generation Capacity:			
Barometric Pressure,(mm Hg)		755	a) Rated			
Velocity of Gas flow (m/s)		15.72	b) Running	I.	*	
Quantity of Gas flow (Nm3/hr)		26719.85	Load a) Rated		U	
Pressure			b) Running		-	

C.I RESULT OF SAMPLING:

Sl. No.	Parameters Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm3)		27.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	1		13 11233 (1 att -1): 1983 (RA 2019)
03_	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270;1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Prepared B Mondardal

Checked By A Patra

Parbail Column (Quality Manager) 1 i Signatory Authority 1 Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: 1 # Information provided by customer

Sample is drawn by M.s. Indicative Consultant India.
Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.

----End of Report----

6 The reproduction of the report except in full is invalid without written approval of the laboratory.

7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

Page 1 of 1

CENTRAL LABORATORY :





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-099/2023	Format No: ICI/FM/H/58		
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	13	2023/A-099
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	6	02.02.2023
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time		03:35 PM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	- 12	07.02.2023
#Work Order No.	: DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		08.02.2023
#Sample Description	STACK AIR			
#Location	RAYMOND MILL DUST COLLECTOR	(EXTRUSION # 1 DEPT)		
#Stack No.	06			
Sample Condition	In Glass Microfiber Thimble			
Sampling Method	: CPCB, Emission Regulation (Part [1])			

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack		Square
Stack attached to		RAYMOND MILL DUST COLLECTOR	Material of Construction		M.S
III PRIMORES DE COSTO ESTA ESTA		(EXTRUSION # 1 DEPT)	Service Vision of Service		
Emission due to	0	Grinding of CPC Fines	Stack ID at sampling point (M)		0.3m×0.3m
Fuel Used		Electricity	At Bottom (M)		PAGESTON TO SERVICE SAME
Rated Fuel Consumption	1	3	At Top (M)		-
Working Fuel Consumption	5		Height Details :		
Calorific Value(Kcal/kg)		4.9	a) Total Ht. Of stack from GL(M)		7.0
			b) Total Ht. Of stack from RL(M)	31	14
Sulpher Content (% by Wt)	27		c) Ht. of sampling port from GL(M)	90	1.6
Ash Content (% by Wt.)	ti.		d) Ht. of port from disturbance zone (M)	23	i e
Pollution Control Device	; B:	ag Filter			

De THI SICAL DATA:				
Flue Gas Temperature (°C)	1	29	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	0	754	a) Rated	¥ ¥
Velocity of Gas flow (m/s)		13.08	b) Running	3.
Quantity of Gas flow (Nm3/hr)		4157.08	Load a) Rated	
Pressure		-	b) Running	

C.| RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	1	35.0	TO 11011 (D. 1101 D. 1101 D. 1101
02,	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	:		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Information provided by customer Note:

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

End of	Report	

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CENTRAL LABORATORY :

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-096/2023 Format No: ICI/FM/H/58					
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No	9	2023/A-096		
Address	d	Durgapur - 713211, Dist. — Paschim Bardhaman, West Bengal,	Sampling Date		02.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	02:30 PM		
Name & Contact Number		Mob. No. 9332039296	Analysis Start Date		07.02.2023		
#Work Order No.	100	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		08.02.2023		
#Sample Description	(é	STACK AIR	***************************************				
#Location	2	SCRAP SYSTEM DUST COLLECTOR (E	EXTRUSION # 1 DEPT)				
#Stack No.	0	07					
Sample Condition	03	In Glass Microfiber Thimble					
Sampling Method	1	CPCB, Emission Regulation (Part III)					

A. J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack		Circular
Stack attached to		SCRAP SYSTEM DUST COLLECTOR (EXTRUSION # 1 DEPT)	Material of Construction		M.S
Emission due to		Process Activity	Stack ID at sampling point (M)	1	0.6
Fuel Used		Electricity	At Bottom (M)		*:
Rated Fuel Consumption			At Top (M)		_
Working Fuel Consumption	9	2	Height Details :		
Calorific Value(Keal/kg)		J 180	a) Total Ht. Of stack from GL(M)	10	7.1
			b) Total Ht. Of stack from RL(M)		9/4
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)	8	5.6
Ash Content (% by Wt.)			d) Ht of port from disturbance zone (M)		
Pollution Control Device		Bag Filter			
Whether Stack is provided wi	th p	ermanent Platform / Ladder : Yes			

B. PHYSICAL DATA:

Flue Gas Temperature (°C)		30	Steam Generation Capacity:	DOI: 10
Barometric Pressure,(mm Hg)	, A	754	a) Rated	-
Velocity of Gas flow (m/s)		10.32	b) Running	F
Quantity of Gas flow (Nm3/hr)	#	10270.29	Load a) Rated	* DK
Pressure		terchina di Salari, men	b) Running	-

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	- 4	43.0	10 11200 D 1 1000 D 2010
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		=	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

Prepared By Mondain



For, INDICATIVE CONSULTANT INDIA

Parball diolar (Quality Manager) Signate Attutioniyi i Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note: I # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as N.A.

Location of Testing Haldia Laboratory

Test results shown in this test report relate only to the sample (s) only.

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CENTRAL LABORATORY : H

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-132/2023 Format No: ICI/FM/H/58					
Customer Name		M/s, GRAPHITE INDIA LTD.	Sample ID No	13	2023/A-132		
Address	3	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	g	03.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	03:55 PM		
Name & Contact Number		Mob. No. 9332039296	Analysis Start Date	16	08.02.2023		
#Work Order No.	18	DOM/4500287592 Dtd: 05.01.2023	Analysis complete Date	Di	09.02.2023		
#Sample Description	18	STACK AIR	11				
#Location	- 8	MAIN DUST COLLECTOR (EXTRUSIO	N#1 DEPT)				
#Stack No.		08					
Sample Condition		In Glass Microfiber Thimble	n Glass Microfiber Thimble				
Sampling Method	1.5	CPCB, Emission Regulation (Part III)					

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- 1	Circular
Stack attached to	3	MAIN DUST COLLECTOR (EXTRUSION # 1 DEPT)	Material of Construction		M.S
Emission due to	95	Process Activity	Stack ID at sampling point (M)	10	0.7
Fuel Used		Electricity	At Bottom (M)	1	190
Rated Fuel Consumption		the state of the s	At Top (M)	(0)	721
Working Fuel Consumption		/e	Height Details :		
Calorific Value(Keal/kg)		A Section of the sect	a) Total Ht. Of stack from GL(M)	16	22.0
			b) Total Ht. Of stack from RL(M)	1	
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)	96	15.0
Ash Content (% by Wt.)			d) Ht of port from disturbance zone (M)		99
Pollution Control Device		Bag Filter			
Whether Stack is provided wit	h perma	anent Platform / Ladder Yes		-	
B. PHYSICAL DATA:					

D. THIOTEAL DATA.						
Flue Gas Temperature (°C)		29	Steam Generation Capacity	///:		
Barometric Pressure,(mm Hg)	4	755	a) Rated		*	
Velocity of Gas flow (m/s)		7.68	b) Running		9	
Quantity of Gas flow (Nm ³ /hr)		10437.43	Load a) Rated		1.00	
Pressure		E	b) Running		*	

C.| RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ¹) :	61.0	10 110g 5 (D) 2 1V 100g (D 4 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :	-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	< 0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Parhal Gotti (Quality Manager) Signatory Withouter

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note. # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

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Location of Testing: Haldia Laboratory

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CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

KOLKATA LABODATORY

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-130/2023	Format No: ICI/FM/H/58		
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No	1 9	2023/A-130
Address	1	Durgapur - 713211, Dist Paschim Bardhaman. West Bengal,	Sampling Date	10.	03.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	100	03:00 PM
Name & Contact Number	170	Mob. No. 9332039296	Analysis Start Date		08.02.2023
#Work Order No.	-	DOM/4500287592 Dtd. 05.01,2023	Analysis complete Date	Ĭ	09.02.2023
#Sample Description	12	STACK AIR			
#Location	18	BAKING MILLING DUST COLLECTOR			
#Stack No.		09			
Sample Condition	¥	In Glass Microfiber Thimble			
Sampling Method	13	CPCB, Emission Regulation (Part III)			

A. J # GENERAL INFORMATION ABOUT STACK:

ILLING DUST LECTOR	Material of Construction	5	M.S
LECTOR			
	The state of the s		
Operation	Stack ID at sampling point (M)	Ē.	0.76
etricity	At Bottom (M)	ä	-5
	At Top (M)		
	Height Details;		
18 T	a) Total Ht. Of stack from GL(M)		10.0
	b) Total Ht. Of stack from RL(M)	16	-
	c) Ht. of sampling port from GL(M)	3	4.66
1.	d) Ht. of port from disturbance zone (M)		
	;	d) Ht. of port from disturbance zone (M)	

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	#	31	Steam Generation Capacit	y:		
Barometric Pressure,(mm Hg)	*	754	a) Rated	The second second	121	
Velocity of Gas flow (m/s)	ATE	12.19	b) Running		· ·	
Quantity of Gas flow (Nm³/hr)		19381.17	Load a) Rated		190	
Pressure		-	b) Running	4 3	-	

C.I RESULT OF SAMPLING:

SI. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ²)	55.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	13 11233 (1 alt -1), 1383 (RA 2013)
03.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA



(Quality Manager) Signarat Authority Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Information provided by customer Note:

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

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Location of Testing: Haldia Laboratory

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CENTRAL LABORATORY :



MIDICATIVE *

INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-124/2023	Format No: ICI/FM/H/58				
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	0.0	2023/A-124		
Address	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date		09.02.2023		
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time		02:25 PM		
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date		15.02.2023		
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		16.02.2023		
#Sample Description	STACK AIR					
#Location	BAKING FURNACE (FEE. 1 TO 5 SIDE)					
#Stack No.	: 10					
Sample Condition	In Glass Microfiber Thimble& Plastic Bottle	In Glass Microfiber Thimble& Plastic Bottle				
Sampling Method	: CPCB, Emission Regulation (Part III)		102			

A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	23	Circular
Stack attached to	81	BAKING FURNACE	Material of Construction	5	M.S
Emission due to		(FEE. 1 TO 5 SIDE) Baking of Green Electrode	Stack ID at sampling point (M)	0	1.56
Fuel Used		CBM	At Bottom (M)	- 9	-
Rated Fuel Consumption		4	At Top (M)	- 28	9
Working Fuel Consumption		a management	Height Details :		
Calorific Value(Kcal/kg)		A STATE OF THE STA	a) Total Ht Of stack from GL(M)	- 0	30.0
			b) Total Ht. Of stack from RL(M)		1/4 E
Sulpher Content (% by Wt)		4	 e) Ht. of sampling port from GL(M) 		9.65
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)		-
Pollution Control Device	: In	cinerator			
Whether Stack is provided with	h perma	nent Platform / Ladder : Yes			

B.J PHYSICAL DATA:

D. I HI SICAL DATA.			
Flue Gas Temperature (°C)	174	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	751	a) Rated	-
Velocity of Gas flow (m/s)	14.27	b) Running	× ×
Quantity of Gas flow (Nm3/hr)	63853.08	Load a) Rated	9
Pressure		b) Running	-

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	:	63.0	10.11055777
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		5	IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm³)		70.63	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m3)		70.15	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)	1	3.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared BAMOndal

Estimated Uncertainty: Not Required

Checked B A Patra

Parbati Gold (Quality Manager) Signatory Juthority

Quality Manager INDICATIVE CONSULTANT INDIA

Note: 1 # Information provided by customer

1 # Information provided by customer
2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

4 Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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8 Retention period of tested samples (Thimble) is 180 days from the date of Issue of test report unless otherwise specified.

9 Location of Testing: Haldia Laboratory

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EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-123/2023	Format No: ICI/FM/H/58		
Customer Name	-	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-123
Address	1700	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	8	09.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		04:00 PM
Name & Contact Number	111	Mob. No. 9332039296	Analysis Start Date		15.02.2023
#Work Order No.	10	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		16.02.2023
#Sample Description	13	STACK AIR			
#Location	93	BAKING FURNACE (FEE. 6 TO 10 SIDE)	10	
#Stack No.		11	f		
Sample Condition	6	In Glass Microfiber Thimble & Plastic Bottle			
Sampling Method	18	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		A Property of the Control of the Con	Shape of Stack	4	Circular
Stack attached to		BAKING FURNACE (FEE, 6 TO 10 SIDE)	Material of Construction	(1)	M.S
Emission due to		Baking of Green Electrode	Stack ID at sampling point (M)	1	1.56
Fuel Used		CBM	At Bottom (M)		\$ 100 miles
Rated Fuel Consumption			At Top (M)	i i	_
Working Fuel Consumption		A STATE OF THE STA	Height Details:		
Calorific Value(Kcal/kg)		*	a) Total Ht. Of stack from GL(M)	×	30.0
			b) Total Ht. Of stack from RL(M)	1	-
Sulpher Content (% by Wt)	12	A second	 e) Ht of sampling port from GL(M) 	100	9.65
Ash Content (% by Wt.)		en e	d) Ht. of port from disturbance zone (M)	- 1	-
Pollution Control Device	: I	ncinerator			
Whether Stack is provided wit	h perm	anent Platform / Ladder : Yes			

B. PHYSICAL DATA:

Flue Gas Temperature (°C)		162	Steam Generation Capaci	ity:	
Barometric Pressure,(mm Hg)		751	a) Rated		91
Velocity of Gas flow (m/s)	A second	12.80	b) Running		2
Quantity of Gas flow (Nm ³ /hr)		58839.71	Load a) Rated		Y
Pressure	£		b) Running	1.8	21

C. RESULT OF SAMPLING:

SI. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		66.0	10 110 cc /D / 1/ 100 c /D 1 40 16
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm ³)		50.44	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m ³)		77.80	IS 11255 (Part -7): 2005 (RA 2017)
05,	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)	1	3.6	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Checked By

Parbati Golu (Quality Manager) Signatory Authority arbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
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- Location of Testing: Haldia Laboratory

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KOLKATA LABORATORY

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-110/2023 Format No: ICI/FM/H/58						
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-110			
Address	6	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date		13.02.2023			
#Customer Representative			Sampling Time		11:10 AM			
Name & Contact Number		Mob. No. 9332039296	Analysis Start Date	1 2	20:02.2023			
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 1	21.02.2023			
#Sample Description		STACK AIR						
#Location		RIED HAMMER FURNACE (BAKING F	URNACE) (14 SECTION))				
#Stack No.	18	12						
Sample Condition	H	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	12	CPCB, Emission Regulation (Part III)		70				

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	10	Circular
Stack attached to	55	RIED HAMMER FURNACE	Material of Construction		M.S
		(BAKING FURNACE) (14 SECTION)	The state of the s		
Emission due to		Combustion of C.B.M	Stack ID at sampling point (M)		0.8
Fuel Used	10	C.B.M.	At Bottom (M)		100.0014
Rated Fuel Consumption	N		At Top (M)		100
Working Fuel Consumption	Ĭ.	±	Height Details:		
Calorific Value(Kcal/kg)	11	188	a) Total Ht. Of stack from GL(M)	- 8	30.0
			b) Total Ht, Of stack from RL(M)	16	1
Sulpher Content (% by Wt)	11	A STATE OF THE STA	c) Ht of sampling port from GL(M)	- 1	10.5
Ash Content (% by Wt.)	. ii		d) Ht of port from disturbance zone (M)		3 - 3
Pollution Control Device	:	E.S.P	MATARIA CONTRACTOR AND CONTRACTOR AN		
Whether Stack is provided wi	th pe	ermanent Platform / Ladder : Yes			

B.I PHYSICAL DATA:

Flue Gas Temperature (°C)	1 12	0.4	Company of the compan	St.	
[TO PST : 그렇게 되었다.] [10] [10] [10] [10] [10] [10] [10] [10		84	Steam Generation Capacity		
Barometric Pressure,(mm Hg)		752	a) Rated		96
Velocity of Gas flow (m/s)		8.28	b) Running		-
Quantity of Gas flow (Nm3/hr)		12255.64	Load a) Rated		
Pressure		15	b) Running		4

C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	59.0	Victoria de la constanti de la
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :		IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm³) :	60.54	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m ²) ;	63.27	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V) :	< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V) :	3.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared D. Mondal

Note:



Parbail Colin (Quality Manager) Signatory Authority Parbati Golui Quality Manager

INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Information provided by customer
 Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

3 Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.

The reproduction of the report except in full is invalid without written approval of the laboratory

7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Testing Haldia Laboratory

--End of Report----

Page 1 of 1









(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicative consultant india@gmail.com / indicative consultant india.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-111/2023	Format No: ICI/FM/H/58					
Customer Name	- 8	M/s. GRAPHITE INDIA LTD.	Sample ID No	4	2023/A-111			
Address	-	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	¥	13.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	- X	09:35 AM			
Name & Contact Number	9	Mob. No. 9332039296	Analysis Start Date	3	20.02.2023			
#Work Order No.	- 2	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		21.02.2023			
#Sample Description	8	STACK AIR						
#Location	L.V.	RIED HAMMER FURNACE (BAKING F	URNACE) (RH16 & RH 24	-I SEC	TION)			
#Stack No.	-	13						
Sample Condition	1	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method		CPCB, Emission Regulation (Part HI)						

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- 1	Circular
Stack attached to	50	RIED HAMMER FURNACE (BAKING FURNACE) (RH 16 & RH 24-1	Material of Construction		M.S
Day of the State of		SECTION)	AND AND REAL PROPERTY.		
Emission due to	110	Combustion of CBM	Stack ID at sampling point (M)		1.8
Fuel Used		C.B.M	At Bottom (M)		*
Rated Fuel Consumption			At Top (M)	- 5	<u>=</u>
Working Fuel Consumption		/ 2 /	Height Details :		
Calorific Value(Kcal/kg)			a) Total Ht. Of stack from GL(M)		45.0
-			b) Total Ht. Of stack from RL(M)		26
Sulpher Content (% by Wt)		A STATE OF THE STA	e) Ht. of sampling port from GL(M)		33.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)		*
Pollution Control Device		E.S.P			
Whether Stack is provided with	ı pe	rmanent Platform / Ladder : Yes		1000	

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	76	Steam Generation Capacity:	The second second
Barometric Pressure,(mm Hg)	752	a) Rated	9.3
Velocity of Gas flow (m/s)	14.27	b) Running	
Quantity of Gas flow (Nm3/hr)	109442.01	Load a) Rated	
Pressure		b) Running	

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method		
01	Particulate Matter (mg/Nm³)	112.5	61.0	IE 11255 (P 1) 1005 (P 2010)		
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	V/V) - (mg/Nm^3) ; -		IS 11255 (Part -1): 1985 (RA 2019		
03.	Sulphur di-oxide (mg/ Nm³)		70.63	IS 11255 (Part -2): 1985 (RA 2019)		
04.	Oxides of Nitrogen (as NOx) -(mg/m²)		59.80	IS 11255 (Part -7): 2005 (RA 2017)		
05.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)		
06.	Carbon di oxide (as CO ₂)-% (V/V)		3,4	IS 13270:1992 (RA 2019)		

For, INDICATIVE CONSULTANT INDIA

Parbati (Quality Manager) Signatory Authority Parbati Golul

Quality Manager

INDICATIVE CONSULTANT INDIA

Note:

Estimated Uncertainty: Not Required

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions,
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-End of Report-

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

4	Location	01	Testing:	Haldia	Laboratory	2
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DICATIVE CONSULTANT I





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: 1CI/HL/A/TC-120/2023	Format No: ICI/FM/H/58		
Customer Name	1	M/s. GRAPHITE INDIA LTD,	Sample ID No	_ i	2023/A-120
Address	3	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	5	09.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	ĝ.	09:40 AM
Name & Contact Number	1.3	Mob. No. 9332039296	Analysis Start Date	1	15.02.2023
#Work Order No.	10	DOM/4500287592 Dtd. 05.01 2023	Analysis complete Date		16.02.2023
#Sample Description	10	STACK AIR			
#Location	- 33	P.I. UNIT - 2 (THERMO PACK STACK)			
#Stack No.	1	16	en e		
Sample Condition	1.4	In Glass Microfiber Thimble & Plastic Bottle			
Sampling Method	34 34	CPCB, Emission Regulation (Part III)	- U24-	-	

A.1 # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	11	Circula
Stack attached to		P.I. UNIT - 2	Material of Construction		M.S
		(THERMO PACK STACK)			
Emission due to		Combustion of CBM	Stack ID at sampling point (M)	1.5	0.4
Fuel Used		C.B.M	At Bottom (M)	5	
Rated Fuel Consumption		4.0	At Top (M)		100
Working Fuel Consumption		5 m s 1 m s 2 m s	Height Details:		
Calorific Value(Kcal/kg)		A second	a) Total Ht. Of stack from GL(M)	18	30.0
Carre 1 (-13			b) Total Ht. Of stack from RL(M)	11	-
Sulpher Content (% by Wt)	25		c) Ht of sampling port from GL(M)		28.0
Ash Content (% by Wt.)		······································	d) Ht. of port from disturbance zone (M)		-
Pollution Control Device	: Nil				

Whether Stack is provided with permanent Platform / Ladder : Yes

B.I PHYSICAL DATA:

D. I HI I SICAL DATA.			
Flue Gas Temperature (°C)	99	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	751	a) Rated	2
Velocity of Gas flow (m/s)	8.12	b) Running	* Dr *
Ouantity of Gas flow (Nm³/hr)	2868.84	Load a) Rated	
Pressure		b) Running	-

CI DECLIT OF CAMPIINO

Sl. No. Parameters			Result Obtained	Test Method			
01.	Particulate Matter (mg/Nm³)		61.0	18/11/255	(Part -1): 1985 (RA 2019)		
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	. 1	1.50	19 11488	(1 art -1), 1203 (1012012)		
03.	Sulphur di-oxide (mg/ Nm³)	1	60,54		(Part -2): 1985 (RA 2019)		
04.	Oxides of Nitrogen (as NOx) -(mg/m ³)	1	68.31	IS 11255	(Part -7): 2005 (RA 2017)		
05	Carbon mono oxide (as CO)- % (V/V)	1	<0.2	IS IS	3270:1992 (RA 2019)		
06.	Carbon di oxide (as CO ₂)-% (V/V)	1	3.2	IS 13	3270:1992 (RA 2019)		

For, INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Parbati (Quality Manager) Signatory Authority Parbati Golul Quality Manager

INDICATIVE CONSULTANT INDIA

Information provided by customer Note

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Test results shown in this test report relate only to the sample (s) only.

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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----End of Report-----

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

Page 1 of 1

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602

Phone No - 02224-275765 0424017594 0222205900 77075060





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-121/2023	Report No: ICI/HL/A/TC-121/2023 Format No: ICI/FM/H/58					
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-121			
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	1	09.02.2023			
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	1 2	11:10 AM			
Name & Contact Number	Mob No. 9332039296	Analysis Start Date	18	15.02.2023			
#Work Order No.	: DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		16.02.2023			
#Sample Description	STACK AIR						
#Location	P.I. UNIT – 2 (H.G.G STACK)						
#Stack No.	§ 17°						
Sample Condition	: In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	1	Circular
Stack attached to	13	P.I. UNIT - 2 (H.G.G STACK)	Material of Construction	- 8	M.S
Emission due to		Combustion of CBM	Stack ID at sampling point (M)		0.4
Fuel Used	ä	C.B.M	At Bottom (M)		•
Rated Fuel Consumption	83	E .	At Top (M)		2
Working Fuel Consumption			Height Details:		
Calorific Value(Kcal/kg)	4	Carlotte Control	a) Total Ht Of stack from GL(M)		30.0
			b) Total Ht. Of stack from RL(M)		23
Sulpher Content (% by Wt)	9	The state of the s	c) Ht of sampling port from GL(M)	- 8	28.0
Ash Content (% by Wt.)	84		d) Ht. of port from disturbance zone (M)	1	<u> </u>
Pollution Control Device		Water Spray Cooling Chamber			

Whether Stack is provided with permanent Platform / Ladder : Yes

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	H T	65	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)		751	a) Rated	÷.
Velocity of Gas flow (m/s)		11.29	b) Running	-
Quantity of Gas flow (Nm3/hr)		439047	Load a) Rated	-
Pressure	1	PECANICA AND III	b) Running	9 <u>-</u>

Sl. No.	Parameters		Result Obtained	Test Method		
01.	Particulate Matter (mg/Nm³)	1	52.0	IS 11355 (Born 1) 1095 (D.A. 2010)		
02.	02. Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/N)		•	IS 11255 (Part -1): 1985 (RA 2019)		
03.	Sulphur di-oxide (mg/ Nm ¹)		50.45	IS 11255 (Part -2): 1985 (RA 2019)		
04.	Oxides of Nitrogen (as NOx) -(mg/m ³)	12	73,11	IS 11255 (Part -7): 2005 (RA 2017)		
05.	Carbon mono oxide (as CO)- % (V/V)	and the	< 0.2	IS 13270:1992 (RA 2019)		
06.	Carbon di oxide (as CO ₂)-% (V/V)	:	3,4	IS 13270:1992 (RA 2019)		

For, INDICATIVE CONSULTANT INDIA



(Quality Manager) Signatory Authority Parbati Golui

Chality Manager

INDICATIVE CONSULTANT INDIA

Note: # Information provided by customer

Estimated Uncertainty: Not Required

Sample is drawn by M/s Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

Page I of 1 ----End of Report-----

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-125/2023	Format No: ICI/FM/H/58				
Customer Name	'n	M/s. GRAPHITE INDIA LTD.	Sample ID No	1	2023/A-125		
Address	ĕ	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	3	06.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	10	04:15 PM		
Name & Contact Number	-	Mob. No. 9332039296	Analysis Start Date	37	14.02.2023		
#Work Order No.	- 13	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 8	15.02.2023		
#Sample Description	18	STACK AIR			V		
#Location	J.R.	FINISHING DUST COLLECTOR NORTH	H (UNIT – 1)		3 2 1 3		
#Stack No.	i i	19					
Sample Condition	3	In Glass Microfiber Thimble					
Sampling Method	- 1	CPCB, Emission Regulation (Part III)					

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack		Circular
Stack attached to	FINISHING DUST COLLECT	TOR Material of Construction		M.S
	(UNIT - 1)	e de la companya de		
Emission due to	Process Activity	Stack ID at sampling point (M)		0.7
Fuel Used	Electricity	At Bottom (M)		-
Rated Fuel Consumption	a section of	At Top (M)	- 11	<u>144</u>
Working Fuel Consumption		Height Details:		
Calorific Value(Kcal/kg)	i e	a) Total Ht. Of stack from GL(M)		13.0
10 13 8 80		b) Total Ht. Of stack from RL(M)		7.0000
Sulpher Content (% by Wt)		c) Ht of sampling port from GL(M)		4.2
Ash Content (% by Wt.)	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	d) Ht. of port from disturbance zone (M)		, K
Pollution Control Device	; Bag Filter			
Whether Stack is provided with	n permanent Platform / Ladder Yes			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	30	Steam Generation Capacity:	10.	
Barometric Pressure,(mm Hg)	754	a) Rated		145
Velocity of Gas flow (m/s)	9.06	b) Running		(m):
Quantity of Gas flow (Nm3/hr)	12256.02	Load a) Rated		· .
Pressure	Y	b) Running	7. 3.13	

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		52.0	10 Lines in
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	:	•	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	-:	< 0.2	IS 13270:1992 (RA 2019)

FOR INDICATIVE CONSULTANT INDIA

Prepared Amondal

Checked By A. Patra

Parbati Colui (Quality Manager) Signatory Authority Parbati Golui Quality Manager

INDICATIVE CONSULTANT INDIA

Note: 1 # Information provided by customer

Estimated Uncertainty: Not Required

2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

4 Test results shown in this test report relate only to the sample (s) only

5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
 Location of Testing: Haldia Laboratory

End of Report-----

Page 1 of 1











(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-126/2023 Format No: ICI/FM/H/58					
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	οg	2023/A-126		
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	h	06.02.2023		
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time		03:10 PM		
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	133	14.02.2023		
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 30	15.02.2023		
#Sample Description	STACK AIR					
#Location	FINISHING DUST COLLECTOR (UNIT	- 2)				
#Stack No.	20					
Sample Condition	In Glass Microfiber Thimble					
Sampling Method	CPCB, Emission Regulation (Part III)					

A.J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	W	Circular
Stack attached to	:: FINIS	HING DUST COLLECTOR	Material of Construction		M.S
		(UNIT - 2)			
Emission due to		Process Activity	Stack ID at sampling point (M)		0.9
Fuel Used		Electricity	At Bottom (M)	10	2.
Rated Fuel Consumption			At Top (M)		55.5
Working Fuel Consumption		1000	Height Details :		
Calorific Value(Kcal/kg)	22	28.4	a) Total Ht. Of stack from GL(M)	10	15.0
THE PARTY OF STREET, P. L. S. P. LANGE TO J. P. LANGE TO J. L. LAN			b) Total Ht Of stack from RL(M)	1	
Sulpher Content (% by Wt)		98-1	c) Ht. of sampling port from GL(M)	13	11.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	16	-
Pollution Control Device	: Bag Filte	r	order i grafia de la composition de la Composition de la composition de la comp		
Whether Stack is provided will	h permanent Pl	atform / Ladder : Yes			

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	1	31	Steam Generation Capac	ity:	
Barometric Pressure,(mm Hg)		754	a) Rated		2. e 1
Velocity of Gas flow (m/s)	4	17.43	b) Running		12I
Quantity of Gas flow (Nm3/hr)	3	38852.32	Load a) Rated		
Pressure		151	b) Running		3,43

C.I RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	į.	64.0	IC 11255 (Bost 1) 1005 (BA 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority Parbati Golui Quality Manager

Test Witnessed By: Nil (Sampling was done in front of customer representatives) INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

----End of Report----

Page 1 of 1



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-127/2023	Format No: ICI/FM/H/58				
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No	**	2023/A-127		
Address		Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	1	06.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	8	02:00 PM		
Name & Contact Number	-	Mob. No. 9332039296	Analysis Start Date	II.	14.02.2023		
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	ž	15.02.2023		
#Sample Description	1 3	STACK AIR					
#Location	1 6	FINE SCREENING DUST COLLECTOR		-			
#Stack No.	12	21	Tak Mala				
Sample Condition	10	In Glass Microfiber Thimble					
Sampling Method	X	CPCB, Emission Regulation (Part III)					

A. # GENERAL	INFORMATION	ABOUT	STACK:

		Shape of Stack	1	Circular
	FINE SCREENING DUST	Material of Construction		M.S
		Stack ID at sampling point (M)		0.56
	Electricity	At Bottom (M)		23
S.	9 4 0 5	At Top (M)		53
i i		Height Details:		
24	A) e	 a) Total Ht. Of stack from GL(M) 		9.75
		b) Total Ht. Of stack from RL(M)	3	
		c) Ht of sampling port from GL(M)	*	6.70
	Destruction of the second second	d) Ht of port from disturbance zone (M)	ĵ.	
: Bag	Filter			
	: Bag	COLLECTOR Screening of Operation Electricity	FINE SCREENING DUST COLLECTOR Screening of Operation Electricity Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from GL(M) c) Ht of sampling port from GL(M) d) Ht of port from disturbance zone (M)	FINE SCREENING DUST COLLECTOR Screening of Operation Electricity

B. PHYSICAL DATA: Flue Gas Temperature (°C)	2	29	Steam	Generation Capacity	V :	
Barometric Pressure (mm Hg)		754	- Contract	a) Rated		9
Velocity of Gas flow (m/s)	100	7.33		b) Running		9 <u> </u>
Quantity of Gas flow (Nm3/hr)	- 1	6361.52	Load	a) Rated		1+
Pressure		1-1		b) Running		

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ²)		41.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	*:	7,	
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	1S 13270:1992 (RA 2019)

Checked By

For INDICATIVE CONSULTANT INDIA

Parbati ((Quality Manager) Signatory Authority Parbati Gol

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

----End of Report----

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Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified

Location of Testing Haldia Laboratory



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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

Page I of I









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-119/2023	o: ICI/HL/A/TC-119/2023 Format No: ICI/FM/H/58				
Customer Name	4	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-119		
Address		Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date		10.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	- 30	09:40 AM		
Name & Contact Number	7.40	Mob. No. 9332039296	Analysis Start Date	12	14.02.2023		
#Work Order No.	5,60	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 2	15.02.2023		
#Sample Description	4	STACK AIR					
#Location	3	BOILER (1.5 TON/2.0 TON/HR.) ATTACHE SAMPLING 2.0 TON/HR. RUNNING.	D WITH COMMON STACK	AT	THE TIME OF		
#Stack No.	13	22					
Sample Condition	Н	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	100	CPCB, Emission Regulation (Part III)					

A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		All I	Shape of Stack	- 1	Circular
Stack attached to		BOILER (1.5 TON/2.0 TON/HR.) ATTACHED WITH COMMON STACK AT THE TIME OF SAMPLING 2.0 TON/HR. RUNNING	Material of Construction	ě	M.S
Emission due to	8	Combustion of CBM	Stack ID at sampling point (M)		0.28
Fuel Used		C.B.M	At Bottom (M)	- 8	
Rated Fuel Consumption		- All - D	At Top (M)	1	2
Working Fuel Consumption		86 m³/hr.	Height Details:		
Calorific Value(Kcal/kg)			a) Total Ht Of stack from GL(M)		29.29
			b) Total Ht. Of stack from RL(M)		2
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)		13.50
Ash Content (% by Wt.)		- 4 -	d) Ht. of port from disturbance zone (M)		200200200
Pollution Control Device	:	Nil			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	10	116	Steam Generation Capacity	
Barometric Pressure,(mm Hg)		751	a) Rated	* 14 2
Velocity of Gas flow (m/s)		10.25	b) Running	1
Quantity of Gas flow (Nm3/hr)		1702.41	Load a) Rated	
Pressure			b) Running	2 Ton/Hr.

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	11	20.0 at 3.2% CO ₂	IS 11255 (Part -1): 1985
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	;	75.0	(RA 2019),
03	Sulphur di-oxide (mg/Nm³)		121.07 at 16.2% O ₂	IS:11255 (Part-2) 1985
04.	Sulphur di-oxide Normalized to 3% O ₂ — (mg/Nm ³)		461.10	(RA 2019)
05.	Oxides of Nitrogen (as NOx) -(mg/m ³)		90.79 at 16.2% O ₂	IS: 11255 (Part-7) 2005
06.	NO _x Normalized to 3% O ₂ (mg/m ³)	:	345.77	The same of the sa
07.	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019
08.	Carbon di oxide (as CO ₂)-% (V/V)	100	3.2	IS 13270:1992 (RA 2019
			For, INDICATIV	E CONSULTANT INDIA

Prepared Barrondal

Estimated Uncertainty: Not Required

Checked B

Parban Color (Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager

INDICATIVE CONSULTANT INDIA

Information provided by customer
 Sample is drawn by M/s, Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- 3 Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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---End of Report-

- 8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
- 9 Location of Testing Haldia Laboratory

Page 1 of 1



Note:

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-120/2023	Format No: ICI/FM/H/58			
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	- 1	2023/A-120	
Address	Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date	1	06.02.2023	
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	1	09:40 AM	
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	:	14.02.2023	
#Work Order No.	DOM/4500287592 Dtd: 05:01 2023	Analysis complete Date		15.02.2023	
#Sample Description	STACK AIR				
#Location	TUNNEL KILN - I (RE-BAKING FURNACE)				
#Stack No.	23				
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle				
Sampling Method	CPCB, Emission Regulation (Part III)				

A.J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack		Circular
Stack attached to		TUNNEL KILN - L	Material of Construction		M.S
		(RE-BAKING FURNACE)	12 27 480 1275 97 240		
Emission due to		Re-Baking of Electrode	Stack ID at sampling point (M)		0.73
Fuel Used		C.B.M	At Bottom (M)	- 6	4.7
Rated Fuel Consumption		1980 C	At Top (M)	18	**
Working Fuel Consumption	3	140 Kg/Hr.	Height Details:		
Calorific Value(Kcal/kg)	83	1.00	a) Total Ht. Of stack from GL(M)	18	30.0
2			b) Total Ht. Of stack from RL(M)	111	- 20
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)		18.0
Ash Content (% by Wt.)			d) Ht of port from disturbance zone (M)	السا	-
Pollution Control Device	: 1	ncinerator			

Whether Stack is provided with permanent Platform / Ladder | Yes

D. FHISICAL DATA.				
Flue Gas Temperature (°C)	111	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	754	a) Rated		Ę
Velocity of Gas flow (m/s)	6.78	b) Running		., 8
Quantity of Gas flow (Nm3/hr)	7754.00	Load a) Rated	100	" (e e e
Pressure		b) Running		•

C.I RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method		
01.	Particulate Matter (mg/Nm³)		29.0	IS 11255 (Part -1): 1985 (RA 2019).		
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	4	151	15 11233 (Part -1), 1983 (RA 201		
03.	Sulphur di-oxide (mg/ Nm ²)		80.72	IS 11255 (Part -2): 1985 (RA 2019)		
04.	Oxides of Nitrogen (as NOx) -(mg/m ³)		63.35	IS 11255 (Part -7): 2005 (RA 2017)		
05.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)		
06.	Carbon di oxide (as CO ₂)-% (V/V)		3.2	IS 13270:1992 (RA 2019)		

For, INDICATIVE CONSULTANT INDIA

Note:



(Quality Manager) Signatory Authority bati

Quality Manager

INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

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Location of Testing Haldia Laboratory

Information provided by customer

Page Lof L ----End of Report----

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973











EMAIL: indicative consulta india@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/FC-109/2023	Format No: ICI/FM/H/58 Sample ID No : 26					
Customer Name	M/s. GRAPHITE INDIA LTD.			2023/A-109			
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	1	13.02.2023			
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time		12:40 PM			
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	- 1	14.02.2023			
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		15.02.2023			
#Sample Description	STACK AIR			10.000.000			
#Location	FINISHING DUST COLLECTOR (UNIT	-3)					
#Stack No.	24						
Sample Condition	In Glass Microfiber Thimble	In Glass Microfiber Thimble					
Sampling Method	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- 13	Circular
Stack attached to		FINISHING DUST COLLECTOR	Material of Construction	24	M.S
MARKAGA KANUKA		(UNIT – 3)			
Emission due to		Process Activity	Stack ID at sampling point (M)		0.78
Fuel Used	14	Electricity	At Bottom (M)	- 23	2
Rated Fuel Consumption			At Top (M)		
Working Fuel Consumption	6	A CONTRACTOR OF THE PARTY OF TH	Height Details:	1.4	Zi.
Calorific Value(Kcal/kg)		1.0	a) Total Ht. Of stack from GL(M)		13.0
			b) Total Ht Of stack from RL(M)		-
Sulpher Content (% by Wt)	37		c) Ht of sampling port from GL(M)	2.5	9.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	ä	2.0
Pollution Control Device		Bag Filter			
		manent Platform / Ladder Yes			

B. PHYSICAL DATA: Flue Gas Temperature (°C) Steam Generation Capacity: Barometric Pressure.(mm Hg) 752 a) Rated Velocity of Gas flow (m/s) 10.63 b) Running Quantity of Gas flow (Nm3/hr) 17797.69 a) Rated b) Running

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	10	67.0	
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		•	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	1	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

(Quality Manager) Signatury toth outry 11

Quality Manager

INDICATIVE CONSULTANT INDIA

Note

Information provided by customer Sample is drawn by M/s Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Sample submitted and identified by customer as: N.A.

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Location of Testing: Haldia Laboratory

End of Report----

Page 1 of I











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-118/2023 Format No: ICI/FM/H/58					
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-118		
Address		Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	- 3	10.02.2023		
#Customer Representative	2	Mr. C. P. Dhanuka	Sampling Time		11:05 AM		
Name & Contact Number	- 00	Mob. No. 9332039296	Analysis Start Date		15.02.2023		
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 3	16.02.2023		
#Sample Description	1	STACK AIR					
#Location	1	P.I. UNIT - 3 (H.G.G STACK)					
#Stack No.	20	25	25				
Sample Condition	18	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle				
Sampling Method	*	CPCB, Emission Regulation (Part III)					

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		4.00	Shape of Stack	8	Circular
Stack attached to	1	P.I. UNIT - 3 (H.G.G STACK)	Material of Construction	8.4	M.S
Emission due to	9	Combustion of CBM	Stack ID at sampling point (M)		0.4
Fuel Used	-	C.B.M	At Bottom (M)		1 = 1
Rated Fuel Consumption	0	14	At Top (M)		72
Working Fuel Consumption		-/-	Height Details:		
Calorific Value(Kcal/kg)	10		a) Total Ht. Of stack from GL(M)	31	30.0
			b) Total Ht. Of stack from RL(M)		1983.Ville 1.50
Sulpher Content (% by Wt)			c) Ht. of sampling port from GL(M)		28.0
Ash Content (% by Wt.)			d) Ht of port from disturbance zone (M)		180
Pollution Control Device	; \	Water Spray Cooling Chamber			

Whether Stack is provided with permanent Platform / Ladder : Yes

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	65	Steam Generation Capacity:	la Company	
Barometric Pressure,(mm Hg)	751	a) Rated	19	
Velocity of Gas flow (m/s)	9.75	b) Running		-
Quantity of Gas flow (Nm3/hr)	3791.74	Load a) Rated		72
Pressure	-	b) Running		₩ ₩

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	- 1	68.0	10 11355 (Dear 1) 1005 VD 4 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ⁻)		-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm')		70.63	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m³)	1	68.43	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)	- 1	<0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)		3.4	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Checked By

Parbati Colui (Quality Manager) Signatory Authority Parbati Golui

Quality Manager INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

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Location of Testing: Haldia Laboratory

Page 1 of 1 ----End of Report----



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EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-128/2023	Format No: ICI/FM/H/58					
Customer Name :		M/s. GRAPHITE INDIA LTD.	Sample ID No	2	2023/A-128			
		Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date	3	06.02.2023			
#Customer Representative	-	Mr. C. P. Dhanuka	Sampling Time		11:10 AM			
Name & Contact Number	10	Mob. No. 9332039296	Analysis Start Date	la-	15.02.2023			
#Work Order No.	15.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	133	16.02.2023			
#Sample Description	1	STACK AIR		-				
#Location	- 3	TUNNEL KILN - 2 (RE-BAKING FURNA	CE)		70			
#Stack No.	- 8	26	1					
Sample Condition	ŧā.	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	18	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	-	Circular
Stack attached to		TUNNEL KILN - 2	Material of Construction		M.S
		(RE-BAKING FURNACE)			
Emission due to		Re-Baking of Electrode	Stack ID at sampling point (M)	- 1	0.73
Fuel Used	-	C.B.M	At Bottom (M)	7	223
Rated Fuel Consumption			At Top (M)	2	5.73
Working Fuel Consumption		140 Kg/Hr.	Height Details :		
Calorific Value(Kcal/kg)			a) Total Ht. Of stack from GL(M)		30.0
			b) Total Ht Of stack from RL(M)		2.50
Sulpher Content (% by Wt)			c) Ht of sampling port from GL(M)		18.0
Ash Content (% by Wt.)		The second secon	d) Ht of port from disturbance zone (M)		238578
Pollution Control Device	: 1	ncinerator		20 July 200 July 200	

RIPHYSICAL DATA

B. PHYSICAL DATA:				
Flue Gas Temperature (°C)	15	116	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	A .	754	a) Rated	*
Velocity of Gas flow (m/s)		8.52	b) Running	9 _ 2
Quantity of Gas flow (Nm3/hr)		9616.68	Load a) Rated	
Pressure		-	b) Running	

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		25.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			15 11235 (Part -1), 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm²)	:	50.45	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m³)		59.80	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)		3.6	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA



(Quality Manager) Signatory Authority 1

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: # Information provided by customer

- Sample is drawn by M/s. Indicative Consultant India
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-End of Report---

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)	Location of Testing	Haldia Laboratory					
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(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-117/2023	Format No: ICI/FM/H/58			
Customer Name	300	M/s. GRAPHITE INDIA LTD.	Sample ID No	1 1	2023/A-117	
Address	1.5	Durgapur - 713211, Dist - Paschim Bardhaman. West Bengal,	Sampling Date	3	10.02.2023	
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	3	12:25 PM	
Name & Contact Number	14	Mob. No. 9332039296	Analysis Start Date	- 1	15.02.2023	
#Work Order No.	13	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 3	16.02.2023	
#Sample Description	41	STACK AIR				
#Location	18	P.I. UNIT - 3 (THERMO PACK STACK)				
#Stack No.	8	27	27			
Sample Condition	1	In Glass Microfiber Thimble & Plastic Bottle				
Sampling Method		CPCB, Emission Regulation (Part III)				

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		A STATE OF THE STA	Shape of Stack		Circular
Stack attached to	D	P.I. UNIT - 3	Material of Construction	- 1	M.S
	(THERMO PACK STACK)	A 20 49-2		
Emission due to		Combustion of CBM	Stack ID at sampling point (M)	- 1	0.40
Fuel Used		C.B.M	At Bottom (M)		7.0
Rated Fuel Consumption		2	At Top (M)		
Working Fuel Consumption		/2	Height Details:		
Calorific Value(Kcal/kg)		* * * * * * * * * * * * * * * * * * *	a) Total Ht. Of stack from GL(M)		30.0
			b) Total Ht. Of stack from RL(M)	- 5	12
Sulpher Content (% by Wt)	E	A 194	c) Ht. of sampling port from GL(M)		28.0
Ash Content (% by Wt.)	co.X		d) Ht of port from disturbance zone (M)		
Pollution Control Device	: Nil				
Whether Stack is provided wi	th permanent	Platform / Ladder : Yes			

Whether Stack is provided with permanent Platform / Ladder Yes

B.] PHYSICAL DATA:				
Flue Gas Temperature (°C)	The state of the s	84	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)		751	a) Rated	123
Velocity of Gas flow (m/s)		7.41	b) Running	W 155
Quantity of Gas flow (Nm ³ /hr)		2766.73	Load a) Rated	(*i
Pressure			b) Running	(A)

C. | RESULT OF SAMPLING:

SI. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	70.0	- IS 11255 (Part -I): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :	(T)	15 11255 (1 at 1). 1505 (1012015)
03.	Sulphur di-oxide (mg/ Nm³)	70.63	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m³)	50.15	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V) :	< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)	3.8	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Prepared By Monday

Checked By A. Patra

(Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note: 1 # Information provided by customer

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- 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

End of Report-

- 8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
- 9 Location of Testing: Haldia Laboratory

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CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602
Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

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EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-098/2023	Format No: ICI/FM/H/58			
Customer Name	2.0	M/s. GRAPHITE INDIA LTD.	Sample ID No 20		2023/A-098	
Address	5	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	I, Dist. – Paschim Bardhaman. Sampling Date		01.02.2023	
#Customer Representative	Mr. C. P. Dhanuka		Sampling Time	8	02:00 PM	
Name & Contact Number	- 53	Mob. No. 9332039296	Analysis Start Date	13	07.02.2023	
#Work Order No.	10	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	13	08.02.2023	
#Sample Description	1 5	STACK AIR				
#Location	15	EXTRUSION -2 DEPARTMENT THERM	HC FLUEID HEATER			
#Stack No.		28				
Sample Condition	-	In Glass Microfiber Thimble & Plastic Bottle				
Sampling Method	15	CPCB, Emission Regulation (Part III)				

A.I # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	9	Circular
Stack attached to	į.	EXTRUSION -2 DEPARTMENT THERMIC FLUEID HEATER	Material of Construction	Ĭ	M.S
Emission due to		Combustion of CBM	Stack ID at sampling point (M)	13	0.58
Fuel Used		C.B.M	At Bottom (M)	N.	(#
Rated Fuel Consumption		9 mg	At Top (M)		-
Working Fuel Consumption		138.4 Nm ³ /Hr.	Height Details:		
Calorific Value(Kcal/kg)	4	(A)	a) Total Ht. Of stack from GL(M)	- 6	30.0
- 0 196			b) Total Ht. Of stack from RL(M)		슬
Sulpher Content (% by Wt)	3		c) Ht. of sampling port from GL(M)		20.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	A.	
Pollution Control Device	: 1	Nil			
Whether Stack is provided wi	th pern	nanent Platform / Ladder : Yes			

RIPHYSICAL DATA:

EST BERTHAMAN TO THE TOTAL TO THE TANK			
Flue Gas Temperature (°C)	400	60	Steam Generation Capacity:
Barometric Pressure,(mm Hg)		754	a) Rated -
Velocity of Gas flow (m/s)		7.68	b) Running -
Quantity of Gas flow (Nm3/hr)		6391,36	Load a) Rated
Pressure			b) Running

C.I RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		31.0	IS 11355 (Dart 1): 1085 (D A 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	1		IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm³)		70.63	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m3)	130	75.20	IS 11255 (Part -7); 2005 (RA 2017)
05	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)		3.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required



(Quality Manager) Signatury Authority Quality Manager

INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: N.A.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions,
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- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

CENTRAL LABORATORY:

---End of Report----











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-091/2023	Format No: ICI/FM/H/58			
Customer Name	- 5	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-091	
Address	l li	Durgapur - 713211, Dist — Paschim Bardhaman, West Bengal,	Sampling Date	id	01.02.2023	
#Customer Representative	10	Mr. C. P. Dhanuka	Sampling Time	8	11:50 AM	
Name & Contact Number	150	Mob. No. 9332039296	Analysis Start Date	8:	07.02.2023	
#Work Order No.	10	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		08.02.2023	
#Sample Description	12	STACK AIR				
#Location	1.00	EXTRUSION # 2 IRICH DUST COLLEC	TOR	W		
#Stack No.	13	29				
Sample Condition	1	In Glass Microfiber Thimble				
Sampling Method	- 5	CPCB, Emission Regulation (Part III)				

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- N	Circular
Stack attached to		EXTRUSION # 2 IRICH DUST	Material of Construction	4	M.S
		COLLECTOR			
Emission due to		Process Operation	Stack ID at sampling point (M)		0.3
Fuel Used	1	Electricity	At Bottom (M)		V 7579
Rated Fuel Consumption	ů.	CHRONEL DOLLARS	At Top (M)		100
Working Fuel Consumption		4	Height Details :		
Calorific Value(Kcal/kg)		1/4	a) Total Ht. Of stack from GL(M)		34.0
			b) Total Ht. Of stack from RL(M)		397
Sulpher Content (% by Wt)			c) Ht. of sampling port from GL(M)	4	28.0
Ash Content (% by Wt.)		AA YAMAATTI KATA BARAATTI AA	d) Ht of port from disturbance zone (M)	Vi	-
Pollution Control Device	: I	Bag Filter			*************
Whether Stack is provided wi	th pern	nanent Platform / Ladder : Yes			

BIPHYSICAL DATA:

Flue Gas Temperature (°C)	28	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	754	a) Rated	
Velocity of Gas flow (m/s)	16.53	b) Running	* . .
Quantity of Gas flow (Nm ³ /hr)	4137.67	Load a) Rated	180
Pressure	14 14	b) Running	

C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³) :	50.0	10 11255 (D 1) 1005 (D.) 2010
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	< 0.2	IS 13270:1992 (R.A 2019)

FOR INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only.

 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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- Location of Testing: Haldia Laboratory

End	of	Report
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CENTRAL LABORATORY:

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973.





(GOVT. REGISTERED TEST HOUSE)

9001:2015



EMAIL: indicative consultantindia@gmail.com / indicative consultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-092/2023	Report No: ICI/HL/A/TC-092/2023 Format No: ICI/FM/H/58					
Customer Name	e M/s. GRAPHITE INDIA LTD. Sample ID No		d	2023/A-091				
Address	¥	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	53	01.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		10:50 AM			
Name & Contact Number	- 10	Mob. No. 9332039296	Analysis Start Date		07.02.2023			
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	(4	08.02.2023			
#Sample Description	- 1	STACK AIR			100			
#Location	- 8	EXTRUSION # 2 MAIN DUST COLLECT	FOR					
#Stack No.		30						
Sample Condition	8	In Glass Microfiber Thimble	Glass Microfiber Thimble					
Sampling Method	4	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		ALC: Y	Shape of Stack	45	Circular
Stack attached to	3	EXTRUSION # 2 MAIN DUST COLLECTOR	Material of Construction	ě	M.S
Emission due to		Process Operation	Stack ID at sampling point (M)		1.0
Fuel Used	3	Electricity	At Bottom (M)		-
Rated Fuel Consumption			At Top (M)	- 8	191
Working Fuel Consumption		3-11-1	Height Details:		
Calorific Value(Kcal/kg)	8		a) Total Ht, Of stack from GL(M)	8	34.0
			b) Total Ht. Of stack from RL(M)	10	(2)
Sulpher Content (% by Wt)	8		c) Ht of sampling port from GL(M)	10	33.0
Ash Content (% by Wt.)	9		d) Ht. of port from disturbance zone (M)		
Pollution Control Device	: Bag	Filter			

Whether Stack is provided with permanent Platform / Ladder Yes

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	1 3	27	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)		754	a) Rated	9
Velocity of Gas flow (m/s)		15.66	b) Running	5 =
Quantity of Gas flow (Nm ³ /hr)		43665.49	Load a) Rated	9 -
Pressure			b) Running	12

C.I RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³) :	71.0	10 11255 (D 11 1205 (D.) 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)-% (V/V) :	<0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Checked M & D.

Parban Colum (Quality Manager) Signator Authority 1 Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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- Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

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----End of Report-

CENTRAL LABORATORY :





(GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-097/2023	teport No: ICI/HL/A/TC-097/2023 Format No: ICI/FM/H/58					
Customer Name	11	M/s, GRAPHITE INDIA LTD.	Sample ID No	132	2023/A-097			
Address	1	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	3	01.02.2023			
#Customer Representative Mr. C.		Mr. C. P. Dhanuka	Sampling Time	- 6	03:20 PM			
Name & Contact Number	- 13	Mob. No. 9332039296	Analysis Start Date		07.02.2023			
#Work Order No.	31	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	1 3	08.02.2023			
#Sample Description	14	STACK AIR						
#Location	B	EXTRUSION # 2 RAYMOND MILL DUS	T COLLECTOR					
#Stack No.		31						
Sample Condition		In Glass Microfiber Thimble	In Glass Microfiber Thimble					
Sampling Method		CPCB, Emission Regulation (Part III)	CPCB, Emission Regulation (Part III)					

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	:	Circular
Stack attached to		EXTRUSION # 2 RAYMOND MILL	Material of Construction	•	M.S
		DUST COLLECTOR	507 NO 1282		5.25
Emission due to		Due to CPC Fines Grinding	Stack ID at sampling point (M)		0.23
Fuel Used		Electricity	At Bottom (M)		E.
Rated Fuel Consumption			At Top (M)		23
Working Fuel Consumption			Height Details:		
Calorific Value(Kcal/kg)		Contract of the	a) Total Ht. Of stack from GL(M)		12.50
STREET STORY IN ISS			b) Total Ht. Of stack from RL(M)		23
Sulpher Content (% by Wt)	- 10	All Property and the second	c) Ht. of sampling port from GL(M)		10.50
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)		200000000000000000000000000000000000000
Pollution Control Device		Bag Filter			
Whether Stack is provided wi	th per	manent Platform / Ladder : Yes			

BIDHVSICAL DATA:

Flue Gas Temperature (°C)	*	31	Steam Generation Capacity:	
Barometric Pressure, (mm Hg)		754	a) Rated	變
Velocity of Gas flow (m/s)		15.56	b) Running	25
Quantity of Gas flow (Nm3/hr)		2261.65	Load a) Rated	× ±
Pressure		- /	b) Running	V70

C.| RESULT OF SAMPLING:

St. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	. 1	76.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	4	5	15/11235 (Fait -1): 1965 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)

FOR INDICATIVE CONSULTANT INDIA

Checked By A Patra

Parbati Cold (Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Information provided by customer Note:

Sample is drawn by M/s. Indicative Consultant India. Sample submitted and identified by customer as N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

End of Report---

Location of Testing: Haldia Laboratory

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CENTRAL LABORATORY:

KOLKATA LABORATORY

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







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-094/2023	Report No: ICI/HL/A/TC-094/2023 Format No: ICI/FM/H/58				
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	15	2023/A-094		
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	É	02.02.2023		
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	10	11:15 AM		
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	- 2	07:02.2023		
#Work Order No.	: DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		08.02.2023		
#Sample Description	3 STACK AIR					
#Location	EXTRUSION # 2 SILO DUST COLLECT	OR				
#Stack No.	32					
Sample Condition	In Glass Microfiber Thimble	In Glass Microfiber Thimble				
Sampling Method	: CPCB, Emission Regulation (Part III)	CPCB, Emission Regulation (Part III)				

A. J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	10	Circular
Stack attached to		EXTRUSION # 2 SILO DUST	Material of Construction	17	M.S
		COLLECTOR	VIA.		
Emission due to		Process Operation	Stack ID at sampling point (M)		0.6
Fuel Used		Electricity	At Bottom (M)	10	-
Rated Fuel Consumption			At Top (M)	18	7.27
Working Fuel Consumption	1	A section	Height Details:		
Calorific Value(Kcal/kg)	31	(⊕1	a) Total Ht. Of stack from GL(M)	- 18	15.0
			b) Total Ht, Of stack from RL(M)	12	-
Sulpher Content (% by Wt)	3	A CONTRACTOR OF THE CONTRACTOR	c) Ht of sampling port from GL(M)	15	7.0
Ash Content (% by Wt.)	(4	and the same of	d) Ht. of port from disturbance zone (M)	N.	anni Basa
Pollution Control Device	:	Bag Filter			
		nanent Platform / Ladder : Yes			

B. PHYSICAL DATA:				
Flue Gas Temperature (°C)	4	29	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)		754	a) Rated	뒿
Velocity of Gas flow (m/s)		14.34	b) Running	W E
Quantity of Gas flow (Nm ³ /hr)	1.0	14301.50	Load a) Rated	2
Pressure	7	- 11	b) Running	-

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)		61.0	19 11255 (Post 1): 1095 (P.A. 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	1	-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory authority lui

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer Sample is drawn by M.s. Indicative Consultant India.
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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9	Location	01	Testing:	Haldia	La	boratory
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-----End of Report-----

CENTRAL LABORATORY :

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-093/2023	A/TC-093/2023 Format No: ICI/FM/H/58						
Customer Name	128	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-093				
Address	80	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	1	02.02.2023				
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		12:15 PM				
Name & Contact Number	11.5	Mob. No. 9332039296	Analysis Start Date	- 5	07.02.2023				
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	U a	08.02.2023				
#Sample Description		STACK AIR							
#Location	8	EXTRUSION # 2 IRICH (TREMA) SCRU	BBER SYSTEM						
#Stack No.	- 1	33							
Sample Condition	8	In Glass Microfiber Thimble	In Glass Microfiber Thimble						
Sampling Method	150	CPCB, Emission Regulation (Part III)							

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	Circular
Stack attached to	100	EXTRUSION # 2 IRICH (TREMA) SCRUBBER SYSTEM	Material of Construction	M.S
Emission due to	8	Mixing Operation	Stack ID at sampling point (M)	0.28
Fuel Used	12	Electricity	At Bottom (M)	¥1
Rated Fuel Consumption	3		At Top (M)	2
Working Fuel Consumption	H		Height Details:	
Calorific Value(Kcal/kg)	54	(a - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	a) Total Ht. Of stack from GL(M)	8.0
			b) Total Ht. Of stack from RL(M)	
Sulpher Content (% by Wt)	88	and the second second	c) Ht. of sampling port from GL(M)	7.0
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	
Pollution Control Device	:	Scrubber System		
Whether Stack is provided wi	th pe	rmanent Platform / Ladder Yes		

B. PHYSICAL DATA:

Flue Gas Temperature (°C)		30	Steam	Generation Capaci	tv:		
Barometric Pressure,(mm Hg)	1 ,2	754		a) Rated			
Velocity of Gas flow (m/s)		45.20		b) Running		22	
Quantity of Gas flow (Nm³/hr)		9311.08	Load	a) Rated		×	
Pressure				b) Running		-	

C.| RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method	
01.	Particulate Matter (mg/Nm ³)		41.0	IS 11255 (Part -1): 1985 (RA 2019)	
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			15 11235 (Part -1): 1985 (RA 2019)	
03.	Carbon mono oxide (as CO)- % (V/V)	- 1	<0.2	IS 13270:1992 (RA 2019)	

For, INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Checked By A Patra

(Quality Manager) Signatory Authority Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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Location of Testing: Haldia Laboratory

Page 1 of 1 ----End of Report----

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602





(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015



EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22,02,2023	-	Report No: ICI/HL/A/TC-131/2023	Format No: ICI/FM/H/58				
Customer Name	3	M/s. GRAPHITE INDIA LTD.	Sample ID No	8	2023/A-131		
Address	×	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	19	04.02.2023		
#Customer Representative Name &		Mr. C. P. Dhanuka	Sampling Time	10	01:45 PM		
Contact Number		Mob. No. 9332039296	Analysis Start Date	X	08.02.2023		
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		09.02.2023		
#Sample Description	100	STACK AIR					
#Location	¥	ACHESON DUST COLLECTOR					
#Stack No.	jir X	34					
Sample Condition	-	In Glass Microfiber Thimble					
Sampling Method	8	CPCB, Emission Regulation (Part III)					

A.J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- 1	Rectangular
Stack attached to		ACHESON DUST COLLECTOR	Material of Construction	2	M.S
Emission due to		Process Activity	Stack ID at sampling point (M)	18	0.8mx 0.32m
Fuel Used		Electricity	At Bottom (M)		A PERSONAL PROPERTY OF CO.
Rated Fuel Consumption		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	At Top (M)	85	0.
Working Fuel Consumption			Height Details:		
Calorific Value(Kcal/kg)			a) Total Ht. Of stack from GL(M)	- 1	18.0
ricotano nostablementale			b) Total Ht. Of stack from RL(M)	9	5
Sulpher Content (% by Wt)	4		c) Ht. of sampling port from GL(M)	1	10.5
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	1	* :
Pollution Control Device		Bag Filter			

Whether Stack is provided with permanent Platform / Ladder Yes

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	4 0	30	Steam	Generation Capacit	V.	
Barometric Pressure (mm Hg)		754	- Paradente	a) Rated	1	E:
Velocity of Gas flow (m/s)	200	13.11		b) Running		54
Quantity of Gas flow (Nm3/hr)		11814.32	Load	a) Rated		æ:
Pressure		-		b) Running		

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	income	65.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		7	15.1 (255 (Fait -1), 1985 (RA 2019)
03_	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

Prepared Barriondaldal

Checked By A Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Colui (Quality Manager) Signatory Authority htty Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: 1 # Information provided by customer

2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only.

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8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Testing Haldia Laboratory

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-----End of Report-----



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

KOLKATA LABODATORY .





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-095/2023	Format No: ICI/FM/H/58		
Customer Name	- 1	M/s, GRAPHITE INDIA LTD.	Sample ID No		2023/A-095
Address	8	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	-	02.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		10:00 AM
Name & Contact Number	1	Mob. No. 9332039296	Analysis Start Date	8	07.02.2023
#Work Order No.	1.0	DOM/4500287592 Dtd. 05:01.2023	Analysis complete Date	- B	08.02.2023
#Sample Description	1 9	STACK AIR			
#Location		EXTRUSION # 2 SCRAP SYSTEM DUST	COLLECTOR		
#Stack No.	i	35			
Sample Condition	1.0	In Glass Microfiber Thimble			
Sampling Method	1 8	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	i i	Circular
Stack attached to	20	EXTRUSION # 2 SCRAP SYSTEM	Material of Construction	31	M.S
		DUST COLLECTOR			
Emission due to	- 1	Process Activity	Stack ID at sampling point (M)		0.65
Fuel Used	* 1	Electricity	At Bottom (M)	17	4
Rated Fuel Consumption	- 6	3	At Top (M)	9	175
Working Fuel Consumption	20	∀ • • • • • • • • • • • • • • • • • • •	Height Details:		
Calorific Value(Kcal/kg)			a) Total Ht. Of stack from GL(M)		17.0
			b) Total Ht. Of stack from RL(M)		100
Sulpher Content (% by Wt)			 e) Ht of sampling port from GL(M) 		8.9
Ash Content (% by Wt.)			d). Ht. of port from disturbance zone (M)		
Pollution Control Device	:	Bag Filter			
Whether Stack is provided wit		manent Platform / Ladder Yes			

B.I PHYSICAL DATA:

Di Tilliano di Città					
Flue Gas Temperature (°C)	12	26	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	4.5	754	a) Rated		3.53
Velocity of Gas flow (m/s)		12.63	b) Running	7.3	
Quantity of Gas flow (Nm ³ /hr)		14938.76	Load a) Rated		. .
Pressure			b) Running	- 11	141

C. RESULT OF SAMPLING:

01. Particulate	Matter (new Nine)			
10000	Vialler (Hig/NHI)	- 15	62.0	IS 11255 (Part -1): 1985 (RA 2019)
02. Particulate	Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			13 11233 (Fait -1), 1983 (RA 2019)
03. Carbon mo	no oxide (as CO)- % (V/V)	- 6	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Checked By A Patra

Parbati (Quality Manager Signarque Authority 1

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Information provided by customer Note:

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Location of Testing: Haldia Laboratory

End of Report----

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CENTRAL LABORATORY:

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

KOLKATA LABORATORY





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No; ICI/HL/A/TC-105/2023	Report No: ICI/HL/A/TC-105/2023 Format No: ICI/FM/H/58		
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-105
Address	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	Ť	04.02.2023
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	2	09:35 AM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date		08.02.2023
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 2	09.02.2023
#Sample Description	STACK AIR			
#Location	R, H. – 24 (II) FURNACE			
#Stack No.	: 36			
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle			
Sampling Method	CPCB, Emission Regulation (Part III)			

A. | # GENERAL INFORMATION ABOUT STACK:

	AND	Shape of Stack	- 6	Circular
12	R. H 24 (II) FURNACE	Material of Construction	5.	M.S
	Combustion of CBM	Stack ID at sampling point (M)		1.6
40	C.B.M	At Bottom (M)		-
3		At Top (M)		5
	70 m³/Hr.	Height Details:		
		a) Total Ht. Of stack from GL(M)		45.0
		b) Total Ht, Of stack from RL(M)		-
		c) Ht of sampling port from GL(M)		33.0
		d) Ht. of port from disturbance zone (M)		
	74 mm m m m m m m m m m m m m m m m m m	Combustion of CBM C.B.M 70.m ¹ /Hr.	Material of Construction Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht Of stack from GL(M) the of sampling point (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Hold sampling port from GL(M)	R. H. – 24 (II) FURNACE Combustion of CBM C.B.M At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht Of stack from RL(M) c) Ht of sampling port from GL(M)

Pollution Control Device : ESP

Whether Stack is provided with permanent Platform / Ladder Yes

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	48.7	79	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	4	753	a) Rated	
Velocity of Gas flow (m/s)		7.26	b) Running :	* De #
Quantity of Gas flow (Nm3/hr)		43457.24	Load : a) Rated	2
Pressure			b) Running	

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		36.0	10 113 55 (Pert 1), 1095 (P.A. 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm ³)	71	60.54	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m3)	1	53.65	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)	1	3.6	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By Monday

Checked By A Patra

Parbati Colui (Quality Manager), Signatura thomby ui Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

Information provided by customer

- 2 Sample is drawn by M/s. Indicative Consultant India.
- 3 Sample submitted and identified by customer as: N.A.
- 4 Test results shown in this test report relate only to the sample (s) only
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- 9 Location of Testing: Haldia Laboratory

Page 1 of 1

----End of Report----









(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-108/2023	Format No: ICI/FM/H/58	F	
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	: 2023/	A-108
Address	Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date	13.02	EDEU -
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	: 02:00	PM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	: 20.02.	
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	: 21.02.	The second second
#Sample Description	STACK AIR		. 21.02.	2025
#Location	FINISHING UNIT - 3 SOUTH SIDE NIPE	PLE DUST COLLECTOR		
#Stack No.	37	DE DOG! COLLECTOR		
Sample Condition	: In Glass Microfiber Thimble			-
Sampling Method	: CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	-	Circular
Stack attached to	FINISHING UNIT - 3 SOUT NIPPLE DUST COLLEC	H SIDE Material of Construction	- 5	M.S
Emission due to Fuel Used	Process Activity Electricity	Stack ID at sampling point (M)		0.7
Rated Fuel Consumption	Licenterry	At Bottom (M) At Top (M)	E	-
Working Fuel Consumption Calorific Value(Kcal/kg)		Height Details: a) Total Ht. Of stack from GL(M)		150
Partition Control of the Control		b) Total Ht. Of stack from RL(M)	30- g	15.0
Sulpher Content (% by Wt) Ash Content (% by Wt.)	Manual Property of the Control of th	c) Ht of sampling port from GL(M) d) Ht of port from disturbance zone (M)		8.0
Pollution Control Device	: Bag Filter	The way posterior distailurance zone (IVI)	.,	
Whether Stack is provided wit	permanent Platform / Ladder Yes		480000000000000000000000000000000000000	

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	2.	30	Steam Generation Capacity:	
Barometric Pressure, (mm Hg)	1	752	a) Rated	吳 程
Velocity of Gas flow (m/s)	187	13.85	b) Running	
Quantity of Gas flow (Nm3/hr)		18687.81	Load a) Rated	12
Pressure		E	b) Running	

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		33.0	The second secon
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	9	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared RAMONAS

Checked By A Patra

Parban Columbia (Quality Manager)
Signature Authority
Quality Manager

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
- 2 Sample is drawn by M/s, Indicative Consultant India.
- 3 Sample submitted and identified by customer as: N.A.
- 4 Test results shown in this test report relate only to the sample (s) only
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- 8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location	of Testing:	Haldia Laboratory	Ų.
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End of Report-









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-107/2023	Report No: ICI/HL/A/TC-107/2023 Format No: ICI/FM/H/58			
Customer Name	18	M/s. GRAPHITE INDIA LTD.	Sample ID No	- 1	2023/A-107	
Address	1.5	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date		13.02.2023	
#Customer Representative	-	Mr. C. P. Dhanuka	Sampling Time		03:10 PM	
Name & Contact Number	1 3	Mob. No. 9332039296	Analysis Start Date		20.02.2023	
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		21.02.2023	
#Sample Description	1	STACK AIR				
#Location	29	FINISHING UNIT - 2 NIPPLE LINE DUS	ST COLLECTOR			
#Stack No.	10	38	38			
Sample Condition	2	In Glass Microfiber Thimble				
Sampling Method		CPCB, Emission Regulation (Part III)				

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	Circular
Stack attached to	-	FINISHING UNIT – 2	Material of Construction	M.S
		NIPPLE LINE DUST COLLECTOR		
Emission due to	1	Process Activity	Stack ID at sampling point (M)	0.61
Fuel Used	200	Electricity	At Bottom (M)	(-)
Rated Fuel Consumption			At Top (M)	7
Working Fuel Consumption		1000	Height Details:	
Calorific Value(Kcal/kg)		and the second second	a) Total Ht. Of stack from GL(M)	11.58
The state of the s			b) Total Ht Of stack from RL(M)	975
Sulpher Content (% by Wt)			e) Ht. of sampling port from GL(M)	9.14
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)	
Pollution Control Device	:	Bag Filter		

Whether Stack is provided with permanent Platform / Ladder: Yes

B. PHYSICAL DATA:			
Flue Gas Temperature (°C)	7	31	Steam Generation Capacity:
Barometric Pressure,(mm Hg)	1	752	a) Rated -
Velocity of Gas flow (m/s)		7.66	b) Running
Quantity of Gas flow (Nm3/hr)		7822.21	Load a) Rated -
Pressure			b) Running

C.I RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	46.0	IS 14255 (Dom. 1): 1005 (D.4.2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270;1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Checked By:

Parbat (Quality Manager) Signatory Authority 1

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
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Location of Testing: Haldia Laboratory

End of Report----

Page 1 of 1



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-115/2023	Report No; ICI/HL/A/TC-115/2023 Format No; ICI/FM/H/58			
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No	3	2023/A-107	
Address	ă	Durgapur - 713211, Dist Paschim Bardhaman. West Bengal,	Sampling Date	ä	10.02.2023	
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1.5	03:50 PM	
Name & Contact Number	(3)	Mob. No. 9332039296	Analysis Start Date	4	14.02.2023	
#Work Order No.	34	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		15.02.2023	
#Sample Description	21	STACK AIR				
#Location	1.0	R.H16 STOCK CLEANING MACHINE	DUST COLLECTOR			
#Stack No.	11	39				
Sample Condition	Tr.	In Glass Microfiber Thimble				
Sampling Method		CPCB, Emission Regulation (Part III)				

A.] # GENERAL INFORMATION ABOUT STACK:

			Rectangular
R.H16 STOCK CLEANING MACHINE DUST COLLECTOR	Material of Construction		M.S
Process Activity	Stack ID at sampling point (M)	33	0.4m X 0.6m
Electricity	At Bottom (M)	20	¥
The state of the s	At Top (M)	×	₩
	Height Details :		
9	a) Total Ht. Of stack from GL(M)		10.0
	b) Total Ht. Of stack from RL(M)		
	c) Ht. of sampling port from GL(M)		7.0
	d) Ht. of port from disturbance zone (M)		
: Bag Filter			
	MACHINE DUST COLLECTOR Process Activity Electricity	MACHINE DUST COLLECTOR Process Activity Electricity	MACHINE DUST COLLECTOR Process Activity Electricity Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from RL(M) c) Ht. of sampling port from GL(M) d) Ht. of port from disturbance zone (M)

Whether Stack is provided with permanent Platform / Lad B.I PHYSICAL DATA:

D. FRISICAL DATA:					
Flue Gas Temperature (°C)	A	33	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	40	751	a) Rated	**************************************	
Velocity of Gas flow (m/s)		7.71	b) Running	-	
Quantity of Gas flow (Nm3/hr)	1	6411.74	Load : a) Rated	101	
Pressure			b) Running	E#1	

C.I RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	44.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		13 11233 (Fait -1), 1985 (KA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	< 0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared B AMORAL

Checked By A Patra

Parbati Gordi (Quality Manager) Signatory Authority Parbati Golui

Quality Manager INDICATIVE CONSULTANT INDIA

Note: 1 # Information provided by customer

Estimated Uncertainty: Not Required

Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

3 Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

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9 Location of Testing: Haldia Laboratory

CENTRAL LABORATORY:

Page | of |

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22,02,2023		Report No: ICI/HL/A/TC-102/2023	Report No: ICI/HL/A/TC-102/2023 Format No: ICI/FM/H/58			
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No	E.	2023/A-102	
Address	¥	Durgapur - 713211, Dist Paschim Bardhaman. West Bengal,	Sampling Date	*	14.02.2023	
#Customer Representative	100	Mr. C. P. Dhanuka	Sampling Time	- 1	02:30 PM	
Name & Contact Number	0	Mob. No. 9332039296	Analysis Start Date	- 1	20.02.2023	
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	11	21.02.2023	
#Sample Description		STACK AIR				
#Location	3	RH-24 (II), STOCK CLEANING MACHI	NE DUST COLLECTOR			
#Stack No.		40				
Sample Condition	1 1	In Glass Microfiber Thimble				
Sampling Method	a	CPCB, Emission Regulation (Part III)				

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack		Circular
Stack attached to	\$2	RH-24 (II), STOCK CLEANING	Material of Construction		M.S
		MACHINE DUST COLLECTOR			
Emission due to	13	Process Activity	Stack ID at sampling point (M)		0.65
Fuel Used		Electricity	At Bottom (M)		14
Rated Fuel Consumption		5	At Top (M)	- 2	127
Working Fuel Consumption		and the second second	Height Details:		
Calorific Value(Kcal/kg)			a) Total Ht. Of stack from GL(M)	77	30.0
			b) Total Ht. Of stack from RL(M)		17
Sulpher Content (% by Wt)	00	Annual Control of the last of	c) Ht. of sampling port from GL(M)	12	15.0
Ash Content (% by Wt.)	â		d) Ht. of port from disturbance zone (M)	ancosider	
Pollution Control Device		Bag Filter			

Whether Stack is provided with permanent Platform / Ladder Yes

Flue Gas Temperature (°C)		32	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	8-	753	a) Rated	7	W. PL
Velocity of Gas flow (m/s)		8.96	b) Running		50
Quantity of Gas flow (Nm3/hr)		10367.79	Load a) Rated		5
Pressure		4	b) Running		*

C.| RESULT OF SAMPLING:

SI. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1	37.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ²)			13 1123 (1 art -1). 1303 (1012012)
03.	Carbon mono oxide (as CO)- % (V/V)		<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Dathatti Godari INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

Information provided by customer

- Sample is drawn by M/s Indicative Consultant India.
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions
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- Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified. Location of Testing: Haldia Laboratory

		 P. J. C D	

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(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-114/2023	Format No: ICI/FM/H/58		
Customer Name M/s. GRAPHITE INDIA LTD		M/s. GRAPHITE INDIA LTD.	Sample ID No	18	2023/A-114
Address	1	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	- 8	11.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1.31	01:45 PM
Name & Contact Number	2.0	Mob. No. 9332039296	Analysis Start Date	8	14.02.2023
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	182	15.02.2023
#Sample Description		STACK AIR			
#Location	10	TURNING - 1 DUST COLLECTOR			
#Stack No.	V.	41		74 - W	
Sample Condition	(0	In Glass Microfiber Thimble			
Sampling Method	10	CPCB, Emission Regulation (Part III)			

A.I # GENERAL INFORMATION ABOUT STACK:

		Shape of Stack	3	Circula
	TURNING-1 DUST COLLECTOR	Material of Construction	3	M.S
5	Process Activity	Stack ID at sampling point (M)	3	0.25
- 8	Electricity	At Bottom (M)	9	(1.42)
	* 1	At Top (M)	- 1	100
	12 17	Height Details:		
	And the second	a) Total Ht. Of stack from GL(M)	1	15.0
		b) Total Ht Of stack from RL(M)	3	
		c) Ht of sampling port from GL(M)		3.0
	The same of the last of the la	d) Ht. of port from disturbance zone (M)		191
	Bag Filter			
	THE RESERVE AND A CANADA CONTRACTOR	Process Activity	TURNING-I DUST COLLECTOR Process Activity Electricity	TURNING-1 DUST COLLECTOR Process Activity Electricity

DIDHIVEICAL DATA

Elua Con Tamporatura (°C)		21	Steam Consention Conseller	
Flue Gas Temperature (°C)		31	Steam Generation Capacity:	
Barometrie Pressure,(mm Hg)	2	751	a) Rated	- F
Velocity of Gas flow (m/s)		7.68	b) Running	W ÆE
Quantity of Gas flow (Nm3/hr)		1315.66	Load : a) Rated	381
Pressure	1	1000	h) Running	20

CURESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	4	51.0	10 1 1255 (Dear 1) 1005 (D 4 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ²)	11		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Parba (Quality Manager) Signatory Authority. Parbati Golui

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Quality Manager

INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as. N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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----End of Report----

- Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

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CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-113/2023	ort No: ICI/HL/A/TC-113/2023 Format No: ICI/FM/H/58					
Customer Name	istomer Name : M/s, GRAPHITE INDIA LTD.		Sample ID No		2023/A-113			
Address	5	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	Y	11.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		03:00 PM			
Name & Contact Number	31	Mob. No. 9332039296	Analysis Start Date		14.02.2023			
#Work Order No.	la la	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	-	15.02.2023			
#Sample Description	1	STACK AIR						
#Location	100	PI- 2, TURNING MACHINE DUST COLL	ECTOR					
#Stack No.	1 2	42						
Sample Condition	18	In Glass Microfiber Thimble	n Glass Microfiber Thimble					
Sampling Method		CPCB, Emission Regulation (Part III)						

A. | # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	Circular
Stack attached to	Š	PI- 2, TURNING	Material of Construction	M.S
		MACHINE DUST COLLECTOR		
Emission due to		Process Activity	Stack ID at sampling point (M)	0.25
Fuel Used		Electricity	At Bottom (M)	
Rated Fuel Consumption			At Top (M)	0 = 0
Working Fuel Consumption		A STATE OF THE PARTY OF THE PAR	Height Details:	
Calorific Value(Kcal/kg)		104	a) Total Ht Of stack from (iL(M)	15.0
			b) Total Ht Of stack from RL(M)	
Sulpher Content (% by Wt)	1	/ /- /	c) Ht of sampling port from GL(M)	3.0
Ash Content (% by Wt.)		and the second s	d) Ht. of port from disturbance zone (M)	2 mark 5
	:			
	h per	manent Platform / Ladder Yes		

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	31	Steam	Generation Capacity:	
Barometric Pressure, (mm Hg)	751		a) Rated	(+)
Velocity of Gas flow (m/s)	24,77		b) Running	141
Quantity of Gas flow (Nm3/hr)	4244.60	Load	a) Rated	V. 1
Pressure	E-		b) Running	1 6

C.| RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	- 8	64.0	12 -13 -17 -17 NO 15 NO
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared Amonda



Parbati Colum (Quality Manager) Signatory Authority i

Quality Manager INDICATIVE CONSULTANT INDIA

Note: 1 # Information provided by customer

Estimated Uncertainty: Not Required

2 Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

3 Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only.

5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.

6 The reproduction of the report except in full is invalid without written approval of the laboratory.

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8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

----End of Report----











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-112/2023	Format No: ICI/FM/H/58					
Customer Name	100	M/s. GRAPHITE INDIA LTD.	Sample ID No	118	2023/A-112			
Address	я	Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date	i i	11.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	- 1	04:00 PM			
Name & Contact Number	100	Mob. No. 9332039296	Analysis Start Date	- 1	14.02.2023			
#Work Order No.	- 8	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		15.02.2023			
#Sample Description	- 3	STACK AIR						
#Location	161	PI- 3, TURNING MACHINE DUST COLI	ECTOR					
#Stack No.	1	43						
Sample Condition	1	In Glass Microfiber Thimble	In Glass Microfiber Thimble					
Sampling Method	ă	CPCB, Emission Regulation (Part III)						

A.J # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack :	Circular
Stack attached to	4	PI- 3, TURNING	Material of Construction :	M.S
		MACHINE DUST COLLECTOR		
Emission due to	1	Process Activity	Stack ID at sampling point (M)	0.25
Fuel Used	ř	Electricity	At Bottom (M)	14.
Rated Fuel Consumption		College Street College	At Top (M)	170
Working Fuel Consumption	45		Height Details:	
Calorific Value(Kcal/kg)	1	1 1 ± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a) Total Ht. Of stack from GL(M)	15.0
			b) Total Ht. Of stack from RL(M)	
Sulpher Content (% by Wt)	15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	c) Ht, of sampling port from GL(M)	3.0
Ash Content (% by Wt.)	Ĭ		d) Ht. of port from disturbance zone (M)	
Pollution Control Device		Bag Filter		
Whether Stack is provided wi	h pe	rmanent Platform / Ladder : Yes		

B. PHYSICAL DATA:

Flue Gas Temperature (°C)		33	Steam	Generation Capacit	<u>y</u> :	
Barometric Pressure, (mm Hg)		751		a) Rated		
Velocity of Gas flow (m/s)	7.00	9.12		b) Running		2
Quantity of Gas flow (Nm3/hr)		1552.31	Load	a) Rated		8 5
Pressure	D 10	199		b) Running		41

CURESULT OF SAMPLING

SI, No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1	41.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			18 11233 (Part -1), 1983 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority Parbati Golui

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing: Haldia Laboratory

----End of Report----





DICATIVE CONSULTANT IN



(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-104/2023	Format No: ICI/FM/H/58					
Customer Name	18	M/s. GRAPHITE INDIA LTD.	Sample ID No	5.4	2023/A-104			
Address	(1	Durgapur - 713211, Dist - Paschim Bardhaman, West Bengal,	Sampling Date	24	14.02.2023			
#Customer Representative	- 17	Mr. C. P. Dhanuka	Sampling Time		11:10 PM			
Name & Contact Number	1 1	Mob. No. 9332039296	Analysis Start Date	1	20.02.2023			
#Work Order No.	1. 16	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	1.7	21.02.2023			
#Sample Description	B	STACK AIR						
#Location	MC MC	P.I. UNIT - 4 (THERMO PACK STACK)						
#Stack No.	100	44						
Sample Condition	13	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	- 8	CPCB, Emission Regulation (Part III)						

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	14	Circular
Stack attached to	į.	P.I. UNIT - 4	Material of Construction		M.S
		(THERMO PACK STACK)			
Emission due to	13	Combustion of CBM	Stack ID at sampling point (M)		0.95
Fuel Used	18	C.B.M	At Bottom (M)	12	-
Rated Fuel Consumption			At Top (M)		186
Working Fuel Consumption		100 m³/Hr.	Height Details:		
Calorific Value(Kcal/kg)	7		a) Total Ht. Of stack from GL(M)		30.5
			b) Total Ht. Of stack from RL(M)		-
Sulpher Content (% by Wt)			c) Ht. of sampling port from GL(M)		18.8
Ash Content (% by Wt.)		estation and the committee of the commit	d) Ht. of port from disturbance zone (M)		-
Pollution Control Device	: Nil			ionano de Sal	
Whether Stack is provided wi	th perma	nent Platform / Ladder : Yes	***************************************		

B. PHYSICAL DATA: Flue Gas Temperature (°C) 189 Steam Generation Capacity: Barometric Pressure, (mm Hg) 753 a) Rated 7.30 Velocity of Gas flow (m/s) b) Running Quantity of Gas flow (Nm3/hr) 11773.44 a) Rated Load Pressure b) Running

C.| RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1	62.0	TR 11255 (Part 1): 1005 (D 4 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)			IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm ³)		80.72	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx) -(mg/m3)	1	52.61	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)		3.0	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA



Parbati Golur (Quality Manager) Signal (Quality)

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing, Haldia Laboratory

-End of Report----











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-103/2023	Format No: ICI/FM/H/58					
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	: 2023/A-104				
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	14.02.2023				
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	12:30 PM				
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	20.02.2023				
#Work Order No.	. DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	21.02.2023				
#Sample Description	: STACK AIR						
#Location	P.I-4 PRE-HEATER	P.I-4 PRE-HEATER					
#Stack No.	45	45					
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	In Glass Microfiber Thimble & Plastic Bottle					
Sampling Method	: CPCB, Emission Regulation (Part III)						

A. | # GENERAL INFORMATION ABOUT STACK:

		Shape of Stack	- 1	Circular
53	P.I-4 PRE-HEATER	Material of Construction	- 8	M.S
	Combustion of CBM	Stack ID at sampling point (M)	30	1.15
50	C.B.M	At Bottom (M)	83	2
11	2	At Top (M)	- 6	(*
	60 m ³ /Hr	Height Details :		
	= €	a) Total Ht Of stack from GL(M)		35.80
		b) Total Ht. Of stack from RL(M)		2 m
		c) Ht of sampling port from GL(M)	2	21.20
The second second	/ Land	d) Ht. of port from disturbance zone (M)		171
	V VV - 774 SEASON ON WORKS	P.I-4 PRE-HEATER Combustion of CBM C.B.M	Shape of Stack Material of Construction Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from GL(M) c) Ht of sampling port from GL(M)	P.I-4 PRE-HEATER Combustion of CBM C.B.M 60 m³/Hr Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from GL(M) c) Ht. of sampling port from GL(M) c) Ht. of sampling port from GL(M)

Whether Stack is provided with permanent Platform / Ladder : Yes

RIPHYSICAL DATA:

B. PHISICAL DATA:			
Flue Gas Temperature (°C)		52	Steam Generation Capacity:
Barometric Pressure.(mm Hg)	1	753	a) Rated
Velocity of Gas flow (m/s)		5.91	b) Running
Quantity of Gas flow (Nm³/hr)		19827.84	Load a Rated
Pressure			b) Running

C.| RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³) :	48.0	- IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³) :	*	t3 11255 (Fait -1), 1905 (104 2015)
03.	Sulphur di-oxide (mg/ Nm ³)	60.54	IS 11255 (Part -2): 1985 (RA 2019)
04	Oxides of Nitrogen (as NOx) -(mg/m ³)	48.54	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)	< 0.2	IS 13270:1992 (RA 2019)
06	Carbon di oxide (as CO ₂)-% (V/V)	3.4	IS:13270:1992 (RA 2019)

repared By Mondal Checked By

For, INDICATIVE CONSULTANT INDIA

Parbati Golui (Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: 1 #Information provided by customer

2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only.

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9 Location of Testing Haldia Laboratory

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CENTRAL LABORATORY:

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









(GOVT, REGISTERED TEST HOUSE)

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-101/2023	Format No: ICI/FM/H/58				
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	# E	2023/A-101		
Address	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	ī	14.02.2023		
#Customer Representative Mr. C. P. Dhanuka		Sampling Time		03:35 PM		
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date		20.02.2023		
#Work Order No.	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		21.02.2023		
#Sample Description	STACK AIR					
#Location	RH-24 (II) JAW CRUSHER MACHINE D	OUST COLLECTOR				
#Stack No.	: 46					
Sample Condition	: In Glass Microfiber Thimble					
Sampling Method	: CPCB, Emission Regulation (Part III)					

# GENERAL INFORMA		A CONTRACTOR OF THE CONTRACTOR	Shape of Stack	1	Circular
Particulars of the Plant Stack attached to	:	RH-24 (II) JAW CRUSHER MACHINE DUST COLLECTOR	Material of Construction	, d	M.S
Emission due to		Process Activity	Stack ID at sampling point (M)		0.48
Fuel Used		Electricity	At Bottom (M)		
Rated Fuel Consumption		151557115111	At Top (M)		*
Working Fuel Consumption		A TOTAL OF	Height Details:		(***
Calonific Value(Kcal/kg)	3	32	 a) Total Ht. Of stack from GL(M) 		22.0
Caronine Manager 1997			 b) Total Ht Of stack from RL(M) 	1.33	100
Sulpher Content (% by Wt)	18	A 2	c) Ht. of sampling port from GL(M)	8	10.0
Ash Content (% by Wt.)	Ä		d) Ht. of port from disturbance zone (M)	g	

B.I PHYSICAL DATA:			
Flue Gas Temperature (°C)	31	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	753	a) Rated	¥
Velocity of Gas flow (m/s)	7.67	b) Running	2
Quantity of Gas flow (Nm³/hr)	4851.49	Load a) Rated	8 No. 10 Page 1997

SI. No.	LT OF SAMPLING: Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	30.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		
	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)

FOR INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Pressure

(Quality Manager) Signatory Authority Parbati Golui Quality Manager

INDICATIVE CONSULTANT INDIA

Note

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Te.	ng: Haldia Laboratory
-------------------	-----------------------

CENTRAL LABORATORY :

Page 1 of 1

End of Report---







(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-116/2023	Format No: ICI/FM/H/58				
Customer Name	0	M/s, GRAPHITE INDIA LTD.	TE INDIA LTD. Sample ID No		GRAPHITE INDIA LTD. Sample ID No		2023/A-116
Address	1	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	1	10.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	02:35 PM		
Name & Contact Number	× .	Mob. No. 9332039296	Analysis Start Date	Ď.	14.02.2023		
#Work Order No	-	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date		15.02.2023		
#Sample Description	13	STACK AIR					
#Location	1	RIED HAMMER-16 JAW CRUSHER DU	ST COLLECTOR	971 8			
#Stack No.	13	47					
Sample Condition	1	In Glass Microfiber Thimble					
Sampling Method	i ii	CPCB, Emission Regulation (Part III)					

A.I # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	3	Circular
Stack attached to		RIED HAMMER-16 JAW CRUSHER DUST COLLECTOR	Material of Construction		M.S
Emission due to		Process Activity	Stack ID at sampling point (M)		0.8
Fuel Used		Electricity	At Bottom (M)	21	3.6
Rated Fuel Consumption		3 may 2 may 1	At Top (M)	3	
Working Fuel Consumption	18	All the Same	Height Details:		
Calorific Value(Kcal/kg)		A STATE OF THE STA	a) Total Ht. Of stack from GL(M)		12.0
			b) Total Ht. Of stack from RL(M)		- 5
Sulpher Content (% by Wt)			e) Ht. of sampling port from GL(M)	130	6.4
Ash Content (% by Wt.)			d) Ht, of port from disturbance zone (M)	ana Se	

Whether Stack is provided with permanent Platform / Ladder B.I PHYSICAL DATA:

Flue Gas Temperature (°C)	11 3	32	Steam Go	eneration Capacit	<u>y</u> :	
Barometric Pressure,(mm Hg)	1 12	751	a) Rated		***
Velocity of Gas flow (m/s)		7.53	b) Running		200
Quantity of Gas flow (Nm3/hr)	it.	13164.56	Load a	() Rated		W 14673
Pressure		-	t) Running	100	(#)

C. RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)		26.0	1S 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	1	-	13 11235 (Fait -1), 1905 (ICA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	:	< 0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Checked Bol A Patra

Parbati ((Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Information provided by customer Note:

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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---End of Report---

Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

Location of Testing Haldia Laboratory

Page 1 of 1



CENTRAL LABORATORY :

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







(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023		Report No: ICI/HL/A/TC-122/2023	Format No: ICI/FM/H/58		
Customer Name	1 8	M/s. GRAPHITE INDIA LTD.	Sample ID No	48	2023/A-122
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	Đ.	09.02.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time		12:30 PM
Name & Contact Number		Mob. No. 9332039296	Analysis Start Date	P-I	14.02.2023
#Work Order No.	- V	DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	-00	15.02.2023
#Sample Description	1.7	STACK AIR	* *		
#Location	- 15	R.H24 (I) STOCK CLEANING DUST C	OLLECTOR		
#Stack No.	1	48			1 12
Sample Condition	21	In Glass Microfiber Thimble			
Sampling Method	1	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	- 3	Circular
Stack attached to		R.H24 (I) STOCK CLEANING DUST COLLECTOR	Material of Construction		M,S
Emission due to	# C # L	Process Activity	Stack ID at sampling point (M)		0.30
Fuel Used	- 1	Electricity	At Bottom (M)		
Rated Fuel Consumption	Ve	-/	At Top (M)		543
Working Fuel Consumption	16	A STATE OF THE PARTY OF THE PAR	Height Details :		
Calorific Value(Kcal/kg)	- 10	4.5	a) Total Ht. Of stack from GL(M)		10.67
26			b) Total Ht. Of stack from RL(M)	- 2	100
Sulpher Content (% by Wt)			c) Ht. of sampling port from GL(M)	1	4.57
Ash Content (% by Wt.)			d) Ht. of port from disturbance zone (M)		-

Whether Stack is provided with permanent Platform / Ladder : Yes

B. PHYSICAL DATA:

Di l'illiano Dalla.					
Flue Gas Temperature (°C)	32	Steam Generation Capacity:			
Barometric Pressure,(mm Hg)	751	a) Rated			
Velocity of Gas flow (m/s)	10.74	b) Running		<u> </u>	
Quantity of Gas flow (Nm3/hr)	2652.33	Load a) Rated	100	* ·	
Pressure	A	b) Running		-	

C.J RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ¹)	3.	38.0	10:11375 (D = 1) 1002 (D 1 2010)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	12% CO ₂ (V/V) - (mg/Nm ³) :		IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)		< 0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By M. Monday

Checked By A Patra

Parbati Godin (Quality Manager) Signatory tuthoniy 11

Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note: 1 # Information provided by customer

2 Sample is drawn by M/s. Indicative Consultant India.

3 Sample submitted and identified by customer as: N.A.

4 Test results shown in this test report relate only to the sample (s) only.

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8 Resention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.

9 Location of Testing Haldia Laboratory

-End of Report-----Page

CENT

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)

9001:2015



EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-100/2023 Format No: ICI/FM/H/58			
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/A-100
Address	Durgapur - 713211, Dist — Paschim Bardhaman, West Bengal,	Sampling Date	3	14,02.2023
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	- 3	04:40 PM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	13	20.02.2023
#Work Order No.	: DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	- 1	21.02.2023
#Sample Description	STACK AIR			
#Location	CORE SAMPLING DUST COLLECTOR			
#Stack No.	49			
Sample Condition	In Glass Microfiber Thimble			
Sampling Method	: CPCB, Emission Regulation (Part III)			

A.I # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	1	Circular
Stack attached to		CORE SAMPLING DUST	Material of Construction		M.S
		COLLECTOR			
Emission due to		Process Activity	Stack ID at sampling point (M)	6	0.25
Fuel Used		Electricity	At Bottom (M)	15	12
Rated Fuel Consumption		y ₄ − 8 /	At Top (M)		
Working Fuel Consumption	-		Height Details:		
Calorific Value(Kcal/kg)	Ĭ		a) Total Ht Of stack from GL(M)		6.0
			b) Fotal Ht. Of stack from RL(M)		107.75T
Sulpher Content (% by Wt)	ē	A 100 A	c) Ht of sampling port from GL(M)	12.0	4.5
Ash Content (% by Wt.)	2		d) Ht. of port from disturbance zone (M)	- 3	. 77.77
Pollution Control Device		Bag Filter with Cyclone Separator			
Whether Stack is provided with	h pe	rmanent Platform / Ladder Yes			

D. THISICAL DATA.					
Flue Gas Temperature (°C)	1	30	Steam Generation Capacity:		
Barometric Pressure,(mm Hg)	20 m	753	a) Rated	.*	
Velocity of Gas flow (m/s)		7.66	b) Running	12	
Quantity of Gas flow (Nm3/hr)		1319.95	Load a) Rated	W.	
Pressure		-1.	b) Running	14	

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	34.0	TO 11502 /D IN 1002 /D 2010
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	1	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)

For INDICATIVE CONSULTANT INDIA

Checked BY

Parbati (Quality Manager) Signatory Authority Parbati Golul

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India. Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

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Location of Testing: Haldia Laboratory

---End of Report----

Page 1 of 1



CENTRAL LABORATORY:

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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973 KOLKATA LABODATOR











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 22.02.2023	Report No: ICI/HL/A/TC-106/2023	Format No: ICI/FM/H/58	
Customer Name	M/s. GRAPHITE INDIA LTD.	Sample ID No	2023/A-106
Address	Durgapur - 713211, Dist – Paschim Bardhaman. West Bengal	Sampling Date	4 13.02.2023
#Customer Representative	Mr. C. P. Dhanuka	Sampling Time	04:15 PM
Name & Contact Number	Mob. No. 9332039296	Analysis Start Date	: 20.02.2023
#Work Order No.	: DOM/4500287592 Dtd. 05.01.2023	Analysis complete Date	21.02.2023
#Sample Description	STACK AIR	The second secon	. 21.02.2023
#Location	CBS DUST COLLECTOR		
#Stack No.	50		
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle		
Sampling Method	CPCB, Emission Regulation (Part III)		

A. # GENERAL INFORMATION ABOUT STACK:

CBS DUST COLLECTOR	Shape of Stack		Circular
CDS DUST COLLEGE UR	Material of Construction		
			M.S
	Stack ID at sampling point (M)	100	0.6
Electricity	At Bottom (M)	199	
		- 1	
	本(で) 中の名称 書 () () () () ()		37
			12.0
		- 2	124
A 12 P	c) Ht. of sampling port from GL(M)		5.0
and the second second	d) Ht of part from disturbance man (M)		3.0
	Process Activity Electricity	Process Activity Electricity Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from RL(M) c) Ht. of sampling port from GL(M)	Process Activity Electricity Stack ID at sampling point (M) At Bottom (M) At Top (M) Height Details: a) Total Ht. Of stack from GL(M) b) Total Ht. Of stack from RL(M)

Whether Stack is provided with permanent Platform / Ladder Ves

B.] PHYSICAL DATA:

. #	30	Steam Generation Canacity			
	15.53	16.28 (26.01.7.277)			
	15405.88				
		A STATE OF THE PROPERTY OF THE			
	4	120 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	753 a) Rated 15.53 b) Running	753 a) Rated 15.53 b) Running 15405.88 Load a) Rated	753 a) Rated 15.53 b) Running 15405.88 Load a) Rated

C. RESULT OF SAMPLING:

Sl. No.	Parameters	PRODUCTION OF THE PRODUCTION O	
DI+ 1104		Result Obtained	Test Method
01,	Particulate Matter (mg/Nm³)	51.0	
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nnt)	-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Carbon mono oxide (as CO)- % (V/V)	<0,2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority Parbati Golui

Quality Manager NDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only.

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Location of Testing: Haldia Laboratory

CENTRAL LABORATORY :

----End of Report---



STATEMENT OF STACK EMISSION DETAILS FOR THE YEAR FEBRUARY-2023

M/s. Graphite India Ltd.

Date of Sampling: 01.02.2023 to 04.02.23, 06.02.23, 09.02.23 to 11.02.23 & 13.02.23 to 14.02.23.

SI. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
1	Mixture Fume Extractor (North) (Extrusion #1 Dept)	(1)	Electricity	720	30000	26000	30	18970.49	24.0	20	e l	-	13.23	N.A.	Nil
2	Mixture Fume Extractor (South) (Extrusion#1 Dept)	2	Electricity	406x406	30000	16000	27	9153.30	23.0	~ =	+	-	15.61	N.A.	Nil
3	Cooler North (Extrusion#1 Dept)	3	Electricity	550	30000	15000	29	16019.13	20.00	(%)	-	-	19.08	N.A.	Nil
4	Cooler South (Extrusion#1 Dept)	4	Electricity					Pr	oduction (nit Not In	Operation		12	N.A.	Nil
5	Fume Extractor (West side) weight floor (Extrusion#1 Dept)	5	Electricity	780	30000	26000	27	26719.85	27.0	100	0	-	15.72	N.A.	Nil
6	Raymond Mill Dust Collector (Extrusion#1 Dept)	6	Electricity	300x300	7000	1600	29	4157.08	35,0	74	8	9	13.08	N.A.	Bag Filter
7	Scrap System Dust Collector (Extrusion#1 Dept)	7	Electricity	600	7100	5600	30	10270.29	43.0	:=:	살 4	2	10.32	N.A.	Bag Filter
8	Main Dust Collector (Extrusion#1 Dept)	8	Electricity	700	22000	15000	29	10437.43	61.0	121		3	7.68	Ñ.A.	Bag Filter
9	Baking Milling Dust Collector	9	Electricity	760	10000	4660	31	19381.17	55.0		-	-	12,19	N.A.	Bag Filter
10	Baking Furnace (Fee. 1 to 5 side)	10	CBM	1560	30000	9650	174	63853.08	63.0	70.63	70.15	3,2	14.27	N.A.	Incinerator
ii	Baking Furnace (Fee. 6 to 10 side)	11	СВМ	1560	30000	9650	162	58839.71	66.0	50.44	77.8	3.6	12.80	N.A.	Incinerator
12	Ried Hammer Furnace (Baking Furnace) (14 SECTION)	12	CBM	800	30000	10500	84	12255.64	59.0	60.54	63.27	3.2	8,28	N.A.	E.S.P
13	Ried Hammer Furnace (Baking Furnace)(RH16 & RH24-I SECTION)	13	СВМ	1800	45000	33000	76	109442.01	61.0	70.63	59.80	3.4	• 14.27	N,A.	E.S.P
14	P.I. UNIT- 2 (THERMOPACK STACK)	16	СВМ	400	30000	28000	99	2868.84	61.0	60.54	68.31	3.2	8.12	N.A.	Nil
15	P.I. UNIT- 2 (HGG STACK)	17	СВМ	400	30000	28000	65	4390.47	52.0	50.45	73.11	3.4	11.29	N.A.	Water spray Cooling Chamber
16	LWG # 3(MILLING)	18	Electricity	650	10670	6700		Pr	oduction U	nit Not In	Operation			N.A.	Bag Filter
17	Finishing Dust Collector (North) (Unit 1)	19	Electricity	700	13000	4200	30	12256.02	52.0	2	-	12	9.06	N.A.	Bag Filter

SI. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO2	Nox mg/NM3	CO ₂	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
18	Finishing Dust Collector (Unit 2)	20	Electricity	900	15000	11000	3.1	38852.32	64.0	5	53	-	17.43	N.A.	Bag Filter
19	FINE SCREENING DUST COLLECTOR	21	Electricity	560	9750	6700	29	6361.52	41.0	ī	2:	- E	7.33	N.A.	Bag Filter
20	Boiler (1.5 Ton/ 2Ton) 2 Ton Running	22	CBM (86 m ⁵ /Hr.)	280	29290	13500	116	1702.41	75.0	121.07	90.79	3.2	10.25	N.A.	Nil
21	Tunnel Kiln – I (Re-baking Furnace)	23	.CBM (140 Kg./Hr.)	730	30000	18000	mi	7754.00	29.0	80.72	63.35	3.2	6.78	N.A.	Incinerator
22	Finishing Dust Collector (Unit 3)	24	Electricity	780	13000	9000	30	17797.69	67.0	-	= 1	=	10.63	N.A.	Bag Filter
23	P.I. Unit – 3 (HGG STACK)	25	СВМ	400	30000	28000	65	3791.74	68.0	70.63	68.43	3.4	9.75	N.A.	Water Spray Cooling Chamber
24	Tunnel Kiln – 2 (Re-baking Furnace)	26	CBM (140 Kg/Hr.)	730	30000	18000	116	9616.68	25.0	50.45	59.80	3.6	8.52	N.A.	Incinerator
25	P.I. Unit – 3 (THERMOPACK STACK)	27	СВМ	400	30000	28000	84	2766,73	70.0	70,63	50.15	3,8	7.41	N.A.	Nil
26	Extrusion -2 Department Thermic Flueid Heater	28	CBM (138.4 Nm ³ /Hr.)	580	30000	20000	60	6391.36	31.0	70.63	75.20	3.2	7.68	N.A.	Nil
27	Extrusion #2 IRICH Dust Collector	29	Electricity	300	34000	28000	28	4137.67	50.0	12	u.	2:	16,53	N.A.	Bag Filter
28	Extrusion #2 Main Dust Collector	30	Electricity	1000	34000	33000	27	43665.49	71.0	3	-	E	15.66	N.A.	Bag Filter
29	Extrusion #2 Raymond Mill Dust Collector	31	Electricity	230	12500	10500	31	2261.65	76.0	5	1.5	ŧ.	15.56	N.A.	Bag Filter
30	Extrusion #2 Silo Dust Collector	32	Electricity	600	15000	7000	29	14301.50	61.0		-	Ŧ:	14.34	N.A.	Bag Filter
31	Extrusion #2 IRICH (Trema) Scrubber System	33	Electricity	280	8000	7000	30	9311.08	41.0	-	O-F	9.	45.20	N.A.	Scrubber System
32	Acheson Dust Collector	34	Electricity	800x320	18000	10500	30	11814.32	65.0		- T-		13.11	N.A.	Bag Filter
33	Extrusion #2 Scrap system Dust collector	35	Electricity	650	17000	8900	26	14938.76	62.0	, =	i lez	÷	12.63	N.A.	Bag Filter
34	R.H24 (II) Furnace	36	CBM (70 m³/Hr.)	1600	45000	33000	79	43457.24	36.0	60.54	53.65	3.6	7.26	N.A.	E.S.P
35	Finishing Unit – 3 (South Side) Nipple Dust Collector	3.7	Electricity	700	15000	8000	30	18687.81	33.0	la la	848	E.	13.85	N.A.	Bag Filter

Parbati Genti Quality Manager INDICATIVE CONSULTANT INDIA Page 2 of 3

	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
36	Finishing Unit – 2 Nipple line Dust Collector	38	Electricity	610	11580	9140	31	7822.21	46.00			5	7.66	N.A.	Bag Filter
37	R.H16 Stock Cleaning Machine Dust Collector	39	Electricity	400 × 600	10000	7000	.33	6411.74	44.00	i.e.	-		7.71	N.A.	Bag Filter
38	R.H24 (II) Stock Cleaning Machine Dust Collector	40	Electricity	650	30000	15000	32	10367.79	37.0	- 6		8	8.96	N.A.	Bag Filter
39	Turning-1 Dust Collector	41	Electricity	250	15000	3000	31	1315.66	51.0	-	OH.	7:	7.68	N.A.	Bag Filter
40	P.I2 Turning Machine Dust Collector	42	Electricity	250	15000	3000	31	4244.6	64.0	7.	FB)	83	24.77	N.A.	Bag Filter
41	P.I-3 Turning Machine Dust Collector	43	Electricity	250	15000	3000	33	1552.31	41.0	-	KEI	+1	9,12	N.A.	Bag Filter
42	P.I Unit- 4 (THERMOPACK STACK)	44	CBM (100 m ³ /Hr.)	950	30500	18800	189	11773.44	62.0	80.72	52.61	3.0	7.3	N.A.	Nill
43	P.I4 Pre-Heater	45	CBM (60 m ³ /Hr.)	1150	35800	21200	52	19827.84	48.0	60.54	48.54	3.4	5.9	N.A.	Nil
44	RH-24 (II) Jaw Crusher Machine Dust Collector	46	Electricity	480	22000	10000	31	4851.49	30.0	Ξ	584	25	7.67	N.A.	Bag Filter
45	Ried Hammer-16 Jaw Crusher Dust Collector	47	Electricity	800	12000	6400	32	13164.56	26.0	2	æ	76	7.53	N.A.	Bag Filter
46	R.H24 (I) Stock Cleaning Dust Collector	48	Electricity	300	10670	4570	32	2652.33	38.0		570	/.EI	10.74	N.A.	Bag Filter With Cyclone Separator
47	Core Sampling Dust Collector	49	Electricity	250	6000	4500	30	1319.95	34.0	3	150	3.5	7.66	N.A.	Bag Filter With Cyclone Separator
48	CBS Dust Collector	50	Electricity	600	12000	5000	30	15405.88	51.0	8	IT/a	9,54	15.53	N.A.	Bag Filter

Checked By: A. Patra

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.

For, Indicative Consultant India

(Quality Manager)

Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA









(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02,2023	15	Report No: ICI/HL/A/RN-117/2023	Format No: ICI/FM/H/61		
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-117
Address	*	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	14	01.02.2023 to 02.02.2023
#Customer Representative Name & Contact Number	:	Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	:	08.02.2023
			Analysis complete Date	:	11.02.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description		AMBIENT AIR			
#Location		EXTRUSION # 2 CAMPUS EAST SIDE BOU	NDARY WALL		=
Sample Condition	100	In Glass Microfibre Filter Paper & Plastic Bottle	Dill' HILL		
Sampling Method	100	CPCB, Emission Regulation (Part III)			
Test Specification	3	National Ambient Air Quality Standards vide Centr 18 th November'2009	al Pollution Control Board, New I	Delhi N	otification dated

			SA	MPLING TIM	E		
Sl. No.	Parameters	Unit	10:00 AM to 06:00 PM	06:30 PM to 02:30 AM	03:00 AM to 11:00 AM	24 Hours Average	Test Method
				RESU	LT		
1.	Respirable Particulate Matter (PM ₁₀)	$\mu g / m^3$	87.09	80.45	74.93	80.82	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	40.10	36.07	32.58	36.25	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m ³	20.69	23.80	17.59	20.69	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO2)	μg / m³	39.26	46.56	41:08	42.30	IS 5182 (Part – 6):2006 (RA 2017)
5.	Carbon Monooxide (CO)	mg/m³	0.2716	0.3088	0.3407	0.3070	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	22.0	17.0	18.0	19.0	Hygrometer

Limit: (µg/m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2.5} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours \ basis$, Carbon mono oxide = $2 \ mg/m^3 \ 8 \ hours \ basis$. (Industrial, Residential, Residential, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared by Rndondal

Checked By A Patra

For INDICATIVE CONSULTANT INDIA

(Quality Manager)
Signations Aphroprity

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

- I # Information provided by customer
- 2 Sample is drawn by M/s. Indicative Consultant India.
- 3 Sample submitted and identified by customer as: NA
- 4 Test results shown in this test report relate only to the sample (s) only
- 5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory.
- 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
- 9 Location of Testing Haldia Laboratory

End of Report-

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CENTRAL LABORATORY :

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02.2023	1	Report No: ICI/HL/A/RN-118/2023	Format No: ICI/FM/H/61				
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-118		
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	:	01.02.2023 to 02.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Analysis Start Date	12.7	08.02.2023		
Name & Contact Number		Mob. No. 9332039296	Analysis complete Date	:	11.02.2023		
#Work Order No.	:	DOM/4500287592 Dtd. 05:01:2023		-			
#Sample Description		AMBIENT AIR					
#Location	10	EXTRUSION # 2 CAMPUS NORTH SIDE BO	OUNDARY WALL	111			
Sample Condition		In Glass Microfibre Filter Paper & Plastic Bottle					
Sampling Method	1	CPCB, Emission Regulation (Part III)					
Test Specification	***	National Ambient Air Quality Standards vide Centr 18thNovember'2009	al Pollution Control Board, New l	Delhi N	otification dated		

	Parameters		SA	MPLING TIV	IE.		
SI. No.		Unit	10:30 AM to 06:30 PM	07:00 PM to 03:00 AM	03:30 AM to 11:30 AM	24 Hours Average	Test Method
			RESULT				
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	91.30	82,41	75.15	82.95	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	38.85	33.58	30.08	34.17	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m³	18.62	21.73	15.52	18.62	1S 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO2)	μg/m³	41.99	44 73	37,43	41.38	IS 5182 (Part - 6):2006 (RA 2017)
5.	Carbon Monooxide (CO)	mg/m³	0.2779	0.2933	0.3401	0.3038	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	24,0	17.0	18.0	20.0	Hygrometer

Limit: (µg/m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2.5} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours \ basis$, Carbon mono oxide = $2 \ mg/m^3$ 8 hours basis. (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board. New Delhi Notification dated 18th November 2009.

Preparad Boxondal

Checked By A Patra

For INDICATIVE CONSULTANT INDIA

Parbail Gold (Quality Manager) P Signathy Anthon iy

Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

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- 9 Location of Testing Haldia Laboratory

End of Report







(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015



EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02.2023	100	Report No: ICI/HL/A/RN-119/2023	Format No: ICI/FM/H/61			
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-119	
Address	£	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	:	02.02.2023 to 03.02.2023	
#Customer Representative		Mr. C. P. Dhanuka	Analysis Start Date	3	08.02.2023	
Name & Contact Number	10	Mob. No. 9332039296	Analysis complete Date	:	11.02.2023	
#Work Order No.	10	DOM/4500287592 Dtd. 05.01.2023	190		20.000000000000000000000000000000000000	
#Sample Description	11	AMBIENT AIR				
#Location	1	EXTRUSION # 2 CAMPUS SOUTH SIDE BO	UNDARY WALL			
Sample Condition		In Glass Microfibre Filter Paper & Plastic Bottle				
Sampling Method	:	CPCB, Emission Regulation (Part III)				
Test Specification	4	National Ambient Air Quality Standards vide Centr 18th November '2009	al Pollution Control Board, New I	Delhi N	otification dated	

	Parameters		SA	MPLING TIM	TE .			
SI. No.		Unit	11:30 AM to 07:30 PM	08:00 PM to 04:00 AM	04:30 AM to 12:30 PM	24 Hours Average	Test Method	
			RESULT					
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	90.46	85.17	94.66	90.10	IS 5182 (Part - 23):2006 (RA 2017)	
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	46.37	34.83	42.71	41.30	1S 5182 (Part - 24):2019	
3.	Sulphur Dioxide (SO ₂)	μg / m³	20.69	16.55	17.59	18.28	IS 5182 (Part - 2):2001 (RA 2017)	
4.	Oxides of Nitrogen (NO ₂)	μg / m³	41.08	37.43	42.91	40.47	IS 5182 (Part - 6):2006 (RA 2017)	
5.	Carbon Monooxide (CO)	mg/m³	0.3141	0.3469	0.3628	0.3413	Non-Dispersive Infrared Spectrometry Method	
6.	Ambient Temperature (Average)	°C	24.0	1.7.0	19.0	20.0	Hygrometer	

Limit: (µg / m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{25} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours \ basis$, Carbon mono oxide = $2 \ mg/m^3 \ 8 \ hours \ basis$. (Industrial, Residential Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board. New Delhi Notification dated 18th November 2009

Prepared my Mondal

Checked By: A. Patra

For INDICATIVE CONSULTANT INDIA

Parbati Golu (Quality Manager) Signatory Authority.

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

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- 9. Location of Testing : Haldia Laboratory

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	na or	Report	 	********	













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TEST REPORT

Date: 17.02.2023	:	Report No: ICI/HL/A/RN-120/2023	Format No: ICI/FM/H/61				
Customer Name	3	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-120		
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal,	Sampling Date	•	02.02.2023 to 03.02.2023		
#Customer Representative Name & Contact Number		Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	::	08.02.2023		
rume & Contact rumber	NIOU 100. 9332039290		Analysis complete Date	1	11.02.2023		
#Work Order No.		DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	:	AMBIENT AIR					
#Location	:	EXTRUSION # 2 CAMPUS WEST SIDE BOU	NDARY WALL				
Sample Condition	35	In Glass Microfibre Filter Paper & Plastic Bottle	COLOR CONTROL OF THE PARTY OF T				
Sampling Method	:	CPCB, Emission Regulation (Part III)					
Test Specification	:	National Ambient Air Quality Standards vide Centr 18th November 2009	al Pollution Control Board, New I	Delhi_N	otification dated		

	Parameters		SA	MPLING TIV	1E			
SI. No.		Unit	12:00 Noon to 08:00 PM	08:30 PM to 04:30 AM	05:00 AM to 01:00 PM	24 Hours Average	Test Method	
			RESULT					
1.	Respirable Particulate Matter (PM ₁₀)	µg / m³	78.48	75.54	86.21	80.08	IS 5182 (Part – 23):2006 (RA 2017)	
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	32.58	29.85	36.34	32.92	IS 5182 (Part - 24):2019	
3,	Sulphur Dioxide (SO ₂)	μg/m³	21.73	16.55	23.80	20.69	IS 5182 (Part - 2):2001 (RA 2017)	
4.	Oxides of Nitrogen (NO ₂)	μg / m ³	41.08	37.43	43.82	40.78	IS 5182 (Part – 6):2006 (RA 2017)	
5.	Carbon Monooxide (CO)	mg/m³	0.2652	0.2966	0.3471	0.3030	Non-Dispersive Infrared Spectrometry Method	
6.	Ambient Temperature (Average)	°C	23.0	16,0	21.0	20.0	Hygrometer	

Limit: (µg/m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \, \mu g/m^3$, $PM_{25} = 60 \, \mu g/m^3$, $SO_2 = 80 \, \mu g/m^3$, $NO_2 = 80 \, \mu g/m^3$, 24 hours basis, Carbon mono oxide = 2 mg/m³ 8 hours basis. (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

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- Sample submitted and identified by customer as: NA
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- Location of Testing Haldia Laboratory

---End of Report---

Page 1 of 1



CENTRAL LABORATORY :

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





(GOVT. REGISTERED TEST HOUSE)

9001:2015



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TEST REPORT

Date: 17.02.2023		Report No: ICI/HL/A/RN-121/2023	Format No: ICI/FM/H/61					
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-121			
Address		Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	:	03.02.2023 to 04.02.2023			
#Customer Representative	190	Mr. C. P. Dhanuka	Analysis Start Date	:	08.02.2023			
Name & Contact Number	MAD	Mob. No. 9332039296	Analysis complete Date		11.02.2023			
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023						
#Sample Description	:	AMBIENT AIR						
#Location	15	EXTRUSION # 2 CAMPUS CENTER LOCAT	ION (NEAR NEW ROAD WI	IGH I	RRIDGE)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle, Suction Plastic Bottle	on of ambient air direct into analyser	through	Teflon tube and in			
Sampling Method	11	CPCB, Emission Regulation (Part III) / Air Sampling &	Analysis 3rd Edition, CPCB Guidelin	ne (Vol	-1)			
Test Specification	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. – 1) National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009						

		1	SA	MPLING TIV	IE		
SI. No.	Parameters	Unit	09:00 AM to 05:00 PM	05:30 PM to 01:30 AM	02:00 AM to 10:00 AM	24 Hours Average	Test Method
				RESU	LT		
1.	Respirable Particulate Matter (PM ₁₀)	$\mu g / m^3$	92.17	82.79	76 18	83.71	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg/m³	39.80	33.83	30.08	34.57	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m ³	22.76	15.52	18.62	18.97	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO2)	µg / m³	44.73	41 99	37.43	41.38	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	μg / m³	BDL	BDI.	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	μg / m³	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₁)	μg / m³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	μg / m ³	38.1	7	124	38.1	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monooxide (CO)	mg/m³	0.2791	0.3228	0.3605	0.3208	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng/m³	BDL	BDL.	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng/m³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	26.0	20.0	18.0	21.0	Hygrometer

Limit: (µg/m³)

Ambient Air Quality standard (National)

 $PM_{10}=100~\mu g/m^3$, $PM_{2.5}=60~\mu g/m^3$, $SO_2=80~\mu g/m^3$, $NO_2=80~\mu g/m^3$, $Lead=1.0~\mu g/m^3$, $Ammonia=400~\mu g/m^3$, 24~hours~basis, $Carbon~mono~oxide=2~m g/m^3$, $O_3-100\mu g/m^3~8hours~basis$, $Benzene=5~\mu g/m^3$, $Benzopyrene=1~n g/m^3$, $Arsenic~=6~n g/m^3$, $Nickel=20n g/m^3$, Annual~basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi, Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Chebbrity

Quality Manager INDICATIVE CONSULTANT INDIA

Note:

- Estimated Uncertainty: Not Required # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: NA
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Test Witnessed By: Nil (Sampling was done in front of customer representatives)

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-End of Report-

- Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
- Location of Testing Haldia Laboratory

Page 1 of 1



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATO









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02.2023	1	Report No: ICI/HL/A/RN-122/2023	Format No: ICI/FM/H/61		The s		
Customer Name	3	M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/AC-122		
Address	;	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	:	03.02.2023 to 04.02.2023		
#Customer Representative Name & Contact Number		Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	1	08.02.2023		
		1100,110,3302003270	Analysis complete Date	10	11.02.2023		
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			111001000		
#Sample Description	:	AMBIENT AIR					
#Location	0	GRAPHITE OLD PLANT WEST SIDE BOUN	DARY WALL (NEAR PERSO	ONNE	OFFICE		
Sample Condition		In Glass Microfibre Filter Paper & Plastic Bottle	THE CHEAR PERSON	DIVINE	L OFFICE)		
Sampling Method		CPCB, Emission Regulation (Part III)					
Test Specification	Ÿ	National Ambient Air Quality Standards vide Centr 18 th November' 2009	al Pollution Control Board, New l	Delhi N	otification dated		

	Parameters		SA	MPLING TIM	E.			
SI. No.		Unit	09:30AM to 05:30 PM	06:00 PM to 02:00 AM	02:30 AM to 10:30 AM	24 Hours Average	Test Method	
			RESULT					
1.	Respirable Particulate Matter (PM ₁₀)	$\mu g / m^3$	85.15	77.69	73.46	78.77	IS 5182 (Part - 23):2006 (RA 2017)	
2.	Respirable Particulate Matter (PM _{2.5})	μg/m ¹	37.59	33.58	3141	34.19	IS 5182 (Part – 24):2019	
3.	Sulphur Dioxide (SO ₂)	μg/m³	20.69	22.76	18.62	20.69	IS \$182 (Part 2)/2001 (P.A. 2017)	
4.	Oxides of Nitrogen (NO ₂)	μg / m³	41.99				IS 5182 (Part – 2):2001 (RA 2017)	
	Ontacs of Thurogen (1102)	дв //ш	41.99	46.56	39.26	42.60	IS 5182 (Part - 6):2006 (RA 2017)	
5.	Carbon Monooxide (CO)	mg/m³	0.2766	0.3148	0.3691	0.3202	Non-Dispersive Infrared Spectrometry Method	
6.	Ambient Temperature (Average)	°C	25.0	17.0	17.0	20.0	Hygrometer	

Limit: (µg / m²) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2.5} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours \ basis$, Carbon mono oxide = $2 \ mg/m^3 \ 8$ hours basis. (Industrial, Residential) Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board. New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) . Signator Authorital Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

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- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
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9	Location	of Testing	Haldia	Laboratory
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Page 1 of 1 ---End of Report---



CENTRAL LABORATORY :

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

KOLKATA LABORATORY





(GOVT. REGISTERED TEST HOUSE)



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TEST REPORT

Date: 17.02.2023	1	Report No: ICI/HL/A/RN-123/2023	Format No: ICI/FM/H/61		
Customer Name	\$ 3	M/s. GRAPHITE INDIA LTD.	Sample ID No	3	2023/AC-123
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	13	06.02.2023 to 07.02.2023
#Customer Representative	:	Mr. C. P. Dhanuka	Analysis Start Date	4	13.02.2023
Name & Contact Number		Mob. No. 9332039296	Analysis complete Date		16.02.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description	:	AMBIENT AIR			
#Location	1	GRAPHITE OLD PLANT NORTH SIDE BO	UNDARY WALL (NEAR SEC	URITY	Y BARRACK)
Sample Condition	2	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	1	CPCB, Emission Regulation (Part III)		1 _ 714	
Test Specification	:	National Ambient Air Quality Standards vide Center 18th November 2009	ral Pollution Control Board, New	Delhi N	votification dated

			SA	MPLING TIV	Œ		
SI. No.	Parameters	Unit	09:00 AM to 05:00 PM	05:30 PM to 01:30 AM	02:00 AM to 10:00 AM	24 Hours Average	Test Method
				RESU	LT		
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	89.18	81.50	76.05	82.24	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	48.51	38.85	32.58	39.98	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m ³	21.73	18.62	15,52	18.62	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO2)	μg/m³	45.65	41.99	35.60	41.08	IS 5182 (Part - 6):2006 (RA 2017)
5.	Carbon Monooxide (CO)	mg/m³	0.2658	0.3012	0,3514	0.3061	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	25.0	19.0	17.0	20.0	Hygrometer

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀ = 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO₂=80 µg/m³, 24 hours basis, Carbon mono oxide = 2 mg/m³ 8 hours basis, (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatury Authority Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory
- Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified
- Location of Testing: Haldia Laboratory

Page 1 of 1

----End of Report----



HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973



(GOVT. REGISTERED TEST HOUSE)







TEST REPORT

Date: 17.02.2023	:	Report No: ICI/HL/A/RN-124/2023	Format No: ICI/FM/H/61		
Customer Name	:	M/s, GRAPHITE INDIA LTD.	Sample ID No	:	2023/AC-124
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	:	06.02.2023 to 07.02.2023
#Customer Representative Name & Contact Number		Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	:	13.02.2023
value & Contact vullber		WOU. NO. 9332039290	Analysis complete Date	4:	16.02.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description		AMBIENT AIR			
#Location	:	GRAPHITE OLD PLANT EAST SIDE BOUN	DARY WALL (AT THE EAST	SIDE	OF LWC 48-5)
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			OI LIVO TOS)
Sampling Method		CPCB, Emission Regulation (Part III)			
Test Specification		National Ambient Air Quality Standards vide Centr 18th November 2009	al Pollution Control Board, New I	Delhi N	otification dated

			SA	MPLING TIM	E		
SI. No.	Parameters	Unit	09:30 AM to 05:30 PM	06:00 PM to 02:00 AM	02:30 AM to 10:30 AM	24 Hours Average	Test Method IS 5182 (Part – 23):2006 (RA 2017) IS 5182 (Part – 24):2019 IS 5182 (Part – 2):2001 (RA 2017) IS 5182 (Part – 6):2006 (RA 2017) Non-Dispersive Inferred Spectrometry
				RESU	LT		
1.	Respirable Particulate Matter (PM ₁₀)	μg / m ³	90.55	83.33	78.30	84.06	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM ₂₃)	μg / m³	41.20	36.11	32.66	36.66	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg/m³	21.73	23.80	18.62	21.38	IS 5182 (Part = 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg/m³	48.38	43.82	40.17	44.12	
5.	Carbon Monooxide (CO)	mg/m³	0.2769	0.3248	0.3671	0.3229	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	26.0	21.0	18.0	22.0	Hygrometer

Limit: (µg / m') Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2,3} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours basis$, Carbon mono oxide = $2 \ mg/m^3 8 \ hours basis$. (Industrial, Residential, Rural Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Checked 18

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only
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- Location of Testing : Haldia Laboratory

---End of Report----

Page 1 of 1

CENTRAL LABORATORY :

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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973



DICATIVE CONSULTANT IN



(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02.2023	1	Report No: ICI/HL/A/RN-125/2023	Format No: ICI/FM/H/61		
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No	1:	2023/AC-125
Address	ŝ	Durgapur - 713211, Dist. – Paschim Bardhaman. West Bengal.	Sampling Date	3.1	07.02.2023 to 08.02.2023
#Customer Representative Name & Contact Number		Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	:	13.02.2023
		14100. 140. 9332039290	Analysis complete Date	3:5	16.02.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description	*	AMBIENT AIR			
#Location	:	GRAPHITE OLD PLANT SOUTH SIDE BOU TUNNEL KILN)	NDARY WALL (NEAR SOU	TH SII	DE OF
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Centr 18th November 2009	ral Pollution Control Board, New	Delhi N	otification dated

			SA	MPLING TIM	E		
SI. No.	Parameters	Unit	10:30 AM to 06:30 PM	07:00 PM to 03:00 AM	03:30 AM 10 11:30 AM	24 Hours Average	Test Method
_	0 111 0 111			RESU	L	V.	
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	86.40	91.67	82.07	86.71	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg / m ³	38.56	42.61	33.83	38.33	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m³	17.59	22.76	18.62	19.66	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	μg/m³	41.99	45.65	35.60	41.08	IS 5182 (Part - 6):2006 (RA 2017)
5.	Carbon Monooxide (CO)	mg / m³	0.2878	0.3306	0.3751	0.3312	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	26.0	18.0	19.0	21.0	Hygrometer

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀ = 100 μg/m², PM_{2.5}=60 μg/m², SO₂=80 μg/m³, NO₂=80 μg/m³, 24 hours basis, Carbon mono oxide = 2 mg/m³ 8 hours basis. (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Patra

For INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui Quality Manager

INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Note: # Information provided by customer

Sample is drawn by M/s. Indicative Consultant India.

Sample submitted and identified by customer as: NA

Test results shown in this test report relate only to the sample (s) only

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

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Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.

----End of Report----

Location of Testing : Haldia Laboratory

Page 1 of 1

CENTRAL LABORATORY:

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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

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	KHPIN	

		The Art and the				
Date: 17.02.2023	1	Report No: ICI/HL/A/RN-126/2023	Format No: ICI/FM/H/61		Grand Control	
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No	197	2023/AC-126	
Address	ŝ	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	1	07.02.2023 to 08.02.2023	
#Customer Representative	- 50	Mr. C. P. Dhanuka	Analysis Start Date		13.02.2023	
Name & Contact Number		Mob. No. 9332039296	Analysis complete Date		16.02.2023	
#Work Order No.	:	DOM/4500287592 Dtd. 05.01 2023	The state of the s		10.02.2023	
#Sample Description	:	AMBIENT AIR				
#Location		GRAPHITE OLD PLANT, CENTER LOCAT	ION (WEST SIDE OF SHIPP)	NG III	NIT# 2)	
Sample Condition		In Glass Microfibre Filter Paper & Plastic Bottle, Suction Plastic Bottle	on of ambient air direct into analyser	through	Teflon tube and in	
Sampling Method	1	CPCB, Emission Regulation (Part III) / Air Sampling &	Analysis 3rd Edition, CPCB Guideli	ne (Vol	-1)	
Test Specification	;	National Ambient Air Quality Standards vide Centr 18 th November'2009	al Pollution Control Board, New 1	Delhi N	otification dated	

			SA	MPLING TIN	IE .		1 P 42000
SI. No.	Parameters	Unit	02:00 PM to 10:00 PM	10:30 PM to 06:30 AM	07:00 AM to 03:00 PM	Hours Average	Test Method
			1 1	RESU	LT		1
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	94.20	98.47	83.15	91.94	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	44.78	48,87	35.09	42.91	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg / m³	18.62	22/76	15.52	18.97	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m³	41.99	46.56	37.43	41.99	IS 5182 (Part – 6):2006 (RA 2017)
5.	Lead (Pb)	μg / m³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	μg/m	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	μg / m³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	μg / m ³	40.1			40.1	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9,	Carbon Monooxide (CO)	mg/m³	0.3017	0.3409	0.3972	0.3466	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	BDL	BDL	BDL	IS 5182 (Part – 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL.	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng/m³	BDL.	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	26.0	16.0	20.0	21.0	Hygrometer

Ambient Air Quality standard (National)

 $PM_{10} = 100~\mu g/m^3, PM_{2,3} = 60~\mu g/m^3, SO_2 = 80~\mu g/m^3, NO_2 = 80~\mu g/m^3, Lead = 1.0~\mu g/m^3, Ammonia = 400~\mu g/m^2, 24~hours~basis, Carbon mono~oxide = 2~m g/m^3, PM_{2,3} = 60~\mu g/m^3, SO_2 = 80~\mu g/m^3, NO_2 = 80~\mu g/m^3, Lead = 1.0~\mu g/m^3, Ammonia = 400~\mu g/m^3, 24~hours~basis, Carbon mono~oxide = 2~m g/m^3, NO_2 = 80~\mu g/m^3, NO_2 = 80$ O₃-100µg/m³ 8hours basis. Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area Ref. National Ambient Air Quality Standards vide Central Pollution Control Board. New Delhi. Notification dated 18th November 2009

Patra

For, INDICATIVE CONSULTANT INDIA

Parbancoity (Quality Manager) Signatory Authority

Quality Manager

INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required Note: # Information provided by customer

- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

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- Location of Testing : Haldia Laboratory

-End of Report-

Page 1 of 1



HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 CENTRAL LABORATORY :

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973 KOLKATA LABORATO











TEST REPORT

Date: 17.02.2023	1	Report No: ICI/HL/A/RN-127/2023	Format No: ICI/FM/H/61		
Customer Name	;	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/AC-127
Address	;	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date		08.02.2023 to 09.02.2023
#Customer Representative Name & Contact Number	:	Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	:	13.02.2023
		MOD 140, 7532037270	Analysis complete Date	185	16.02.2023
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description	:	AMBIENT AIR			
#Location	:	NEAR BAKING FURNACE RH 16 SECTION	(NORTH SIDE OF BOUNDA	RYW	ALT)
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle	The second secon	11.1 /1	ALL)
Sampling Method	*	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Centr 18th November 2009	al Pollution Control Board, New I	Delhi_N	otification dated

			S	AMPLING TI	ME		
SI. No.	Parameters	Unit	12:00 PM to 08:00 PM	08:30 PM to 04:30 AM	05:00 AM to 01:00 PM	24 Hours Average	Test Method
				RES	ULT		
1,	Respirable Particulate Matter (PM ₁₀)	μg / m³	89.36	75.25	82.43	82.35	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	$\mu g / m^3$	47.26	35.09	42.61	41.65	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	μg/m ¹	23.80	17.59	19.66	20.35	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	μg / m ³	44.73	36,52	41.08	40.78	IS 5182 (Part – 6):2006 (RA 2017)
5.	Carbon Monooxide (CO)	mg / m³	0.3355	0.3721	0.2892	0.3323	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	25.0	17.0	2.2.0	21.0	Hygrometer

Limit: (µg/m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2,5} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, 24 hours basis, Carbon mono oxide = 2 mg/m^3 8 hours basis. (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For INDICATIVE CONSULTANT INDIA

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
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- Location of Testing Haldia Laboratory

--End of Report--

Page I of I



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 17.02.2023	:	Report No: ICI/HL/A/RN-128/2023	Format No: ICI/FM/H/61		
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/AC-128
Address	÷	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	•	08.02.2023 to 09.02.2023
#Customer Representative Name & Contact Number	:	Mr. C. P. Dhanuka Mob. No. 9332039296	Analysis Start Date	sis Start Date : 13.02.202	13.02.2023
			Analysis complete Date	:	16.02.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01 2023			
#Sample Description	:	AMBIENT AIR			
#Location	1	NEAR RH- 24 (II) (SOUTH SIDE OF BOUND	DARY WALL)		
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	1	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Centr 18 th November'2009	al Pollution Control Board, New I	Delhi N	otification dated

			SA	MPLING TIM	E			
SI. No.	Parameters	Unit	12:30 PM		24 Hours Average	Test Method		
				RESU				
1.	Respirable Particulate Matter (PM ₁₀)	μg / m³	81.20	72.56	79.35	77.70	IS 5182 (Part - 23):2006 (RA 2017)	
2.	Respirable Particulate Matter (PM _{2.5})	μg / m³	39.80	33.83	36.34	36.66	IS 5182 (Part – 24):2019	
3.	Sulphur Dioxide (SO ₂)	μg/m³	21.73	16.55	19.66	19.31	IS 5182 (Part - 2):2001 (RA 2017)	
4.	Oxides of Nitrogen (NO2)	µg / m³	44.73	35.60				
	Omites of vitalogen (1102)	μg/ ш	44.13	32.00	40.17	40.17	IS 5182 (Part - 6):2006 (RA 2017)	
5.	Carbon Monooxide (CO)	mg / m ³	0.3078	0.3591	0.2844	0.3171	Non-Dispersive Infrared Spectrometry Method	
6.	Ambient Temperature (Average)	°C	25.0	16,0	22,0	21.0	Hygrometer	

Limit: (ug/m³) Ambient Air Quality standard (National)

 $PM_{10} = 100 \ \mu g/m^3$, $PM_{2,s} = 60 \ \mu g/m^3$, $SO_2 = 80 \ \mu g/m^3$, $NO_2 = 80 \ \mu g/m^3$, $24 \ hours \ basis$, Carbon mono oxide = $2 \ mg/m^3 \ 8 \ hours \ basis$. (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref. National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Parbat (Quality Manager) Signatory Authority

Parbati Golui Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer Sample is drawn by M/s, Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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Location of Testing Haldia Laboratory

----End of Report----



Pollution Ambient Air Average concentration for Quarter 1 YEAR 2023 around the plant surroundings

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009 Sampling Period: 01.02.2023 to 09.02.2023

			- A	Parameter	s in μg/m	3	Paramet ers in mg/m ³	į	Parameters	in μg/π	13	Param	eters in n	ng/m³	Location	Direction wrt Plant Land	Close to
Max limit			60	100	80	80	2	1	5	400	100	1	6	20			
LOCATION	Sampling Date	Sampling Time	PM2.5	PM10	SO ₂	NO ₂	co	Pb	Benzene	NH ₃	Ozone	Benzo(a) Pyrene	As	Ni			
							Ne	w Extru	sion Campu	18							
	01.02.2023	10:00 AM to 06:00 PM	40.10	87.09	20.69	39 26	0.2716	a	-	29	-	-	(Sa)	12			
A	01.02.2023 to 02.02.2023	06:30 PM to 02:30 AM	36.07	80,45	23.80	46.56	0.3088	3	-	-	R	¥:	121	-	Extrusion #2 Campus	East Side	Boundary wall
	02.02.2023	03:00 AM to 11:00 AM	32.58	74.93	17.59	41.08	0.3407	14	-		В	×	191	H			
	Average		36.25	80.82	20.69	42.30	0.3070	1-		741	-		121	e			
	01.02.2023	10.30 AM to 06.30 PM	38.85	91.30	18.62	41.99	0.2779	а	-	(6)	¥	21	9:	¥			
В	01 02 2023 to 02 02 2023	07:00 PM to 03:00 AM	33.58	82.41	21.73	44.73	0.2933	Ŀ	*	Œ	8	Ŧ:	35	-	Extrusion #2 Campus	North Side	Boundary wall
	02 02 2023	03:30 AM to 11:30 AM	30.08	75.15	15.52	37.43	0.3401	155	5.		7:	-	-	-			
	Average		34.17	82.95	18.62	41.38	0.3038			18		- C-	18.9				
	02,02.2023	11:30 AM to 07:30 PM	46.37	90.46	20.69	41.08	0.3141	ь	-	3 5 3	+	>=	1=	=			
C	02.02.2023 to 03.02.2023	08:00 PM to 04:00 AM	34.83	85.17	16.55	37.43	0.3469	.5	-	12.	-5	121	ь		Extrusion#2 Campus	South Side	Boundary wall
	03.02.2023	04:30 AM to 12:30 PM	42.71	94.66	17.59	42.91	0.3628	2	70	•	is i	nĒ	15				
	Average		41.30	90.10	18.28	40.47	0.3413	-	-	40	941	146		¥3			
	02.02.2023	12:00 Noon to 08:00 PM	32.58	78.48	21.73	41.08	0.2652	-	-	548	3,47	æ	¥				
D	02.02.2023 to 03.02.2023	08:30 PM to 04:30 AM	29.85	75.54	16.55	37.43	0.2966	-	-	*	12	1.0	2	Σ	Extrusion #2 Campus	West Side	Boundary wall
	03.02.2023	05:00 AM to 01:00 PM	36.34	86.21	23.80	43.82	0.3471	E	-	4.	123	3.	ā	-		P	erbati Gold uality Mana IDICATIVE C
	Average		32.92	80.08	20.69	40.78	0.3030	H	-	-	-		<u> </u>	163			

		09:00 AM			Ī	1				ľ	T I			Í	ľ	Î	Ĩ			
	03.02.2023	05:00 PM	39.80	92.17	22.76	44.73	0.2791	BDL	BDL.	BDL	38.10	BDL.	BDL	BDL						
(dec	03.02.2023	05:30 PM	rutations:	SH SAN	40.01										Extrusion#2	Contos	Near New Road			
Е	to 04.02.2023	01:30 AM	33.83	82.79	15.52	41.99	0.3228	BDL	BDL	BDL	:50	BDL	BDL.	BDL	Campus	Center Location	Weigh Bridge			
	04.02.2023	02:00 AM to	30.08	76.18	18.62	37.43	0.3605	BDL	ODI	DO		DDI	DIN	DDE		10 10 10 10				
		10:00 AM				100.00		POWERS C	BDL	BDL	1/4	BDL	BDL	BDL						
	Average		34.57	83.71	18.97	41.38	0.3208	BDL	BDL	BD1.	38.10	BDL	BDL	BDL			79			
				1			Gra	ohite Old	Plant Car	npus	,				410		101			
	03.02.2023	09:30 AM to	37.59	85.15	20.69	41.99	0.2766	286	:=()	;+	14	ia.	12	Sec						
	03.02.2023	05:30 PM 06:00 PM													Near Personnel					
I.	04.02.2023	to 02:00 AM	33.58	77.69	22.76	46.56	0.3148	æ	121	-	-	Þ	i e	190	Office (Graphite	West Side	Boundary wall			
	70.10.00.00.00.00.00	02:30 AM	Š.		10.77	100000	In the second								Old Plant)					
	04,02.2023	to 10:30 AM	31.41	73.46	18.62	39.26	0.3691	:9:	15	5	13	3	180	79						
	Average		34.19	78.77	20.69	42.60	0.3202		/4	2	Œ.	9	12	- 19-						
	06 02 2023	09:00 AM to	48.51	89 18	21.73	45.65	0.2658	20	œ	-	н	¥	:ei	i.e.		-				
	06.02.2023	05:00 PM 05:30 PM													Near					
G	to 07 02 2023	to 01:30 AM	38.85	81.50	18,62	41.99	0.3012	3:	15	=	Ä	-	181	:-	Security Barrack (Graphite	North Side	Boundary wall			
	07.02.2023	02:00 AM to	32.58	76.05	15.52	35.60	0.3514	123	9	2	받	(0)			Old Plant)	l)				
	Average	10:00 AM	39.98	92.24	10.73	41.00	0.2061													
	Average	09:30 AM	39.98	82.24	18.62	41.08	0.3061	-	*	F		=	97	+						
	06.02.2023	to 05:30 PM	41.20	90.55	21.73	48.38	0.2769	5 7 22	17	- 6	5		t#/: □	•	At the east of					
	06.02.2023	06:00 PM	2012	AU - 22	21 12	-555E-2	222.2								LWG 4	W7				
H	07.02.2023	to 02:00 AM	36.11	83.33	23.80	43.82	0.3248		2	547	8	5.	7.1	3	& 5 (Graphite	East Side	Boundary wall			
	07.02.2023	02:30 AM to	32.66	78.30	18.62	40.17	0.3671		2		¥	2:	2		Old Plant)					
	********	10:30 AM	34.44	0102	24.20	ranarata II	- 272-2-5071													
	Average	10:30 AM	36.66	84.06	21.38	44.12	0.3229) +	-			_ =						
	07.02.2023	to 06:30 PM	38.56	86.40	17.59	41.99	0.2878	3	ē.	(e)		*1	-	-	Name Card					
						3303	I PERCO SACIONA								Near South side of					
	07.02.2023	07:00 PM	7004 F-70000	120000000000000000000000000000000000000			0.3306		~	396		160	14	- 2	Tunnel Kiln	South Side	Boundary wall			
J	07.02.2023 to 08.02.2023	to 03:00 AM	42.61	91.67	22.76	45.65	0.5500								(Graphite		and			
1	to	to	42.61 33.83	91.67 82.07	18.62	35.60	0.3751	Q.	8 1	:6-	<u></u>	-	100	ž	(Graphite Old Plant)	Par	LUISCONNESSAN SURE LA LES CONTRACTOR			

	07.02.2023	11:00 AM to	44.78	94.20	18.62	41.99	0.3017	BDL	BDL	BDL	40.1	BDL	BDL.	BDL									
j	07 02 2023 to 08.02.2023	07:00 PM 07:30 PM to 03:30 AM	48.87	98.47	22.76	46.56	0.3409	BDL.	BDL	BDI	iže.	BDL	BDL	BDL	Graphite Old Plant	Center Location	West side of Shipping Unit #						
	08.02.2023	04:00 AM to 12:00 Noon	35.09	83.15	15.52	37.43	0.3972	BDL	BDL	BDL	3	BDL	BDL	BDI.									
	Average	12.00 100 10	42.91	91.94	18.97	41.99	0.3466	BDL	BDL	BDL	40.10	BDL	BDL	BDL									
	08.02.2023	12:00 Noon to 08:00 PM	47.26	89.36	23.80	44.73	0.3355	4	*	:=:	151	(B)	2	2				NE CONTROL DE LA CONTROL DE	N D 1:	New Poline	Near Baking		
K	08.02.2023 to 09.02.2023	08:30 PM to 04:30 AM	35.09	75.25	17.59	36,52	0.3721	ų	-	5 2 -1	:/e:	æ	1=	-	Furnace RH 16 Section	North Side	Boundary wall						
	09.02.2023	05:00 AM to 01:00 PM	42.61	82.43	19.66	41.08	0.2892	3.0	5	TE.	E-	12	. 30	8									
	Average	A CONTRACTOR OF THE PARTY OF TH	41.65	82.35	20.35	40.78	0.3323	1.5%	-	-	의	-2-	1941	8									
	08.02.2023	12-30 PM 10 08:30 PM	39.80	81.20	21.73	44.73	0.3078	(8)	=	¥	-												
12	08.02.2023 to 09.02.2023	09:00 PM to 05:00 AM	33.83	72.56	16.55	35.60	0.3591	161	7.1	8	-	-	341	-	Near RH- 24 (II)	South Side	Boundary wal						
	09.02.2023	05:30 AM to 01:30 PM	36.34	79.35	19.66	40.17	0.2844	*	:=:	ď			-	193		9							
	Average		36.66	77.70	19.31	40.17	0.3171	*	300	##	1 0	- a_	1				1						

For, Indicative Consultant India

Parbail Getai P(Quality Manager) Osignatory Manager UNDICATIVE CONSULTANT INDIA

Page3 of 3











EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14,01.2023	1	Report No: ICI/HL/W/RN-023/2023	Format No: ICL/FM/H/67					
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/W-023			
Address		Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	:	03.01.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	03:15 PM			
Name & Contact Number	:	Mob. No +91-9332039296	Analysis Start Date	1	05.01.2023			
WW LO V	-	The second secon	Analysis complete Date		13.01.2023			
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023						
#Sample Description	1	EFFLUENT						
Sample Condition	:	In Plastic Bottle & Glass Bottle			111			
Sampling Method	1	IS:3025 (Part I): 1987 (RA 2019), APHA	23rded 2017					
#Location	:	EXTRUSION # 2 ETP OUTLET			The state of the s			
Material/ Test Specification	Description of the Control of the Co							

SI.	Parameters	Unit	Result	for Discharge o	eneral Standards f Environmental A: Effluents**	Method Followed	
		A		Inland Surface Water	Public Sewers	areaton Fundived	
1.	pH (at 20°C)		6.96	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, A PHA 23rd Edition 4500-H+B	
2.	Total Suspended Solid (TSS)	mg/L	38.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17), 1984, RA 2017 APHA 23rd Edition 2540D	
3.	Chemical Oxygen Demand (COD)	mg/L	161.9	250 mg/L (max)	Not Specified	APHA 23rd Edition 5220B	
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	28.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44), 1993; RA 2019,	
5.	Oil and Grease	mg/L	4.9	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39) 1991: RA 2019 APHA 23 rd Edition 5520B,	

nment (Protection) Rules, 1986

Dinoudal

Checked By: A. P.

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

= Information provided by customer

Sample is drawn by M/s. Indicative Consultant India

Sample submitted and identified by customer as: N.A.

Test results shown in this test report relate only to the sample (s) only

The test results referred in test report are based on observations & measurements under the stated environmental conditions.

The reproduction of the report except in full is invalid without written approval of the laboratory

Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified. Location of Testing Haldia Laboratory

End	of Report	

Page 1 of 1

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973







(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14.01.2023	1	Report No: ICI/HL/W/RN-024/2023	Format No: ICI/FM/H/67		
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-024
Address	:	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date		03.01.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	03:50 PM
Name & Contact Number		Mob. No +91-9332039296	Analysis Start Date	1	05.01.2023
rame & contact rumber		MOU. 140 191-9332039290	Analysis complete Date		13.01.2023
#Work Order No.	:	DOM/4500287592 Dtd, 05.01.2023			
#Sample Description	ž	EFFLUENT			
Sample Condition		In Plastic Bottle & Glass Bottle			
Sampling Method	ž	IS:3025 (Part I): 1987 (RA 2019), APHA 23	rded 2017		
#Location	1	NEAR OLD WEIGH BRIDGE OUT	LET		
Material/ Test Specification	;	Schedule - VI: General Standards for Dis Effluents; The Environment (Protection)		itants	: Part A:

SI.	Parameters	Unit	Result	for Discharge o	eneral Standards f Environmental t A: Effluents**	Method Followed
350.		Inland Surface Water Public Sewer		Public Sewers		
1.	pH (at 20°C)		7.51	5.5-9.0	5.5-9.0	IS:3025(Part-11) 1983 RA 2017, APHA 23 rd Edition 4500-H*B
2,	Total Suspended Solid (TSS)	mg/L	21.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	28.8	250 mg/L (max)	Not Specified	APHA 23rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	5.61	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993 RA 2019,
5.	Oil and Grease	mg/L	2.1	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,

^{**}The Environment (Protection) Rules, 1986

Prep Duandaldal

Checked By:

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory
- Once issued, the fest report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified Location of Testing: Haldia Laboratory

Fnd at	Report
LuuDj	REPORT

Page 1 of 1

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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14.01.2023	:	Report No: ICI/HL/W/RN-025/2023	Format No: ICI/FM/H/67		
Customer Name	1	M/s. GRAPHITE INDIA LTD.	Sample ID No	1	2023/W-025
Address	100	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	1	03.01.2023
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	1	04:10 PM
Name & Contact Number	12	Mob. No +91-9332039296	Analysis Start Date		05.01.2023
vame & Contact (vambe)		CORPORATE DISCONDISCONO	Analysis complete Date	:	13.01.2023
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023			
#Sample Description	15	EFFLUENT			
Sample Condition	1	In Plastic Bottle & Glass Bottle			
Sampling Method	330	IS:3025 (Part I): 1987 (RA 2019), APHA 231	^d ed 2017		
#Location	1	NEAR LWG - 4 OUTLET			
Material/ Test Specification	et.	Schedule - VI: General Standards for Disc Effluents; The Environment (Protection) I		ints: F	art A;

SI.	Parameters	Unit	Result	Schedule - VI: G for Discharge of Pollutants Part	Method Followed	
No.			Inland Surface Water	Public Sewers		
1,	pH (at 20°C)		7.63	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017; APHA 23 rd Edition 4500-Fl ⁺ B
2:	Total Suspended Solid (TSS)	mg/L	25.0	100 mg/L (max)	600 mg/L (max)	1S:3025 (Part-17): 1984; RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	38.5	250 mg/L (max)	Not Specified	APHA 23rd Edition 5220B
4	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	7.12	30 mg/L (max)	350 mg/L (max)	IS.3025 (Part-44) 1993 RA 2019.
5.	Oil and Grease	mg/L	2.2	10 mg/L (max)	20 mg/L (max)	IS 3025 (Part-39) 1991 RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

Pre Demondal

Checked By: A. Natra

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui
Guality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note

- # Information provided by customer
- Sample is drawn by M/s, Indicative Consultant India
- 3 Sample submitted and identified by customer as N.A.
- 4 Test results shown in this test report relate only to the sample (s) only
- 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- 6. The reproduction of the report except in full is invalid without written approval of the laboratory
- Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- 8 Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.

9.	Location	of Test	ing: 1	laldia	Laboratory
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----End of Report----

Page 1 of I







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicative consultant india@gmail.com / indicative consultant india.kol@gmail.com

TEST REPORT

Date: 13.02.2023	630	Report No: ICI/HL/W/RN-211/2023	Format No: ICI/FM/H/67					
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No	3	2023/W-211			
Address	:	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	Š.	02.02.2023			
			Sampling Time	;	12:05 PM			
#Customer Representative Name & Contact Number		Mr. C. P. Dhanuka	Analysis Start Date	:	04.02.2023			
		Mob. No+91-9332039296	Analysis complete Date	;	11.02.2023			
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023						
#Sample Description	:	EFFLUENT						
Sample Condition	:	In Plastic Bottle & Glass Bottle						
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA	23 rd ed 2017					
#Location		EXTRUSION # 2 ETP OUTLET						
Material/ Test Specification	;	Schedule - VI: General Standards for I Effluents; The Environment (Protection		Polluta	nts: Part A:			

Sl.	Parameters	Unit	Result	Schedule – VI: G for Discharge of Pollutants Part		Method Followed
No.			7	Inland Surface Water	Public Sewers	
1.	pH (at 20°C)		6.93	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	49.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984 RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	102.8	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	19.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019.
5.	Oil and Grease	mg/L	4.3	10 mg/L (max)	20 mg/L (max)	IS 3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Prepared providendal

Checked By: A. Patra

Parbati Gofui (Quality Manager)

Pasignatory Authority
Quality Manager

INDICATIVE CONSULTANT INDIA

Estimated Uncertainty: Not Required

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Note:

- . # Information provided by customer
- 2. Sample is drawn by M/s. Indicative Consultant India
- 3. Sample submitted and identified by customer as: N.A.
- 4. Test results shown in this test report relate only to the sample (s) only
- 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- 6. The reproduction of the report except in full is invalid without written approval of the laboratory
- 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- 9. Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report----

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602
Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









(GOVT. REGISTERED TEST HOUSE)

TEST REPORT

Date: 13.02.2023	:	Report No: ICI/HL/W/RN-212/2023	Format No: ICI/FM/H/67				
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No	•	2023/W-212		
Address	:	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,	Sampling Date	:	02.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	:	11:00 AM		
Name & Contact Number	:	Mob. No+91-9332039296	Analysis Start Date	:	04.02.2023		
Name & Contact Number	19100. 190 191-9332039290		Analysis complete Date	;	11.02.2023		
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	:	EFFLUENT					
Sample Condition	:	In Plastic Bottle & Glass Bottle					
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23	rded 2017				
41		COLLECTED TREATED WATER I	ROM COMMON WASTE	STE WATER			
#Location	•	RECYCLING UNIT OF OUTFALL LWG # 4 & OLD WEIGH BRIDGE Schedule - VI: General Standards for Discharge of Environmental Pollutants: Part A Effluents; The Environment (Protection) Rules, 1986					
Material/ Test Specification	;						

SI.	Parameters	Unit	Result	for Discharge of	eneral Standards f Environmental A: Effluents**	Method Followed
No.		Æ		Inland Surface Water	Public Sewers	
1.	pH (at 20°C)	7	7.35	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983; RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	29.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984; RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	46.7	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	8.17	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	2.7	10 mg/L (max)	20 mg/L (max)	1S:3025 (Part-39) 1991 RA 2019, APHA 23 rd Edition 5520B,

^{**}The Environment (Protection) Rules, 1986

Proposalala

For, INDICATIVE CONSULTANT INDIA

Parbati Gotui (Quality Manager) Signatory Authority

Parbati Golui Quality Manager INDICATIVE CONSULTATION DIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
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- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

Page 1 of 1 -----End of Report-----











(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 13.02.2023	ř	Report No: ICI/HL/W/RN-213/2023	Format No: ICI/FM/H/67				
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/W-213		
Address	:	Durgapur - 713211, Dist. – PaschimBardhaman, West Bengal,	Sampling Date	ŧ	02.02.2023		
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	:	11:15 AM		
#Customer Representative Name & Contact Number	:	Mob. No +91-9332039296	Analysis Start Date		04.02.2023		
		W100. No +91-9332039290	Analysis complete Date	:	11.02.2023		
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	:	EFFLUENT					
Sample Condition		In Plastic Bottle & Glass Bottle					
Sampling Method	;	IS:3025 (Part I): 1987 (RA 2019), APHA 231	ded 2017				
#Location		COLLECTED UNTREATED WATE	R FROM COMMON WAST				
Material/ Test Specification	:	RECYCLING UNIT OF OUTFALL LWG # 4 & OLD WEIGH BRIDGE Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part & Effluents: The Environment (Protection) Rules, 1986					

SI.	Parameters	Unit	Result	for Discharge of	eneral Standards f Environmental A: Effluents**	Method Followed
No.				Inland Surface Water	Public Sewers	
1.	pH (at 20°C)		6.86	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 rd Edition 4500-H ⁻ B
2.	Total Suspended Solid (TSS)	mg/L	51.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017. APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	112.1	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	20.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	4.2	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991; RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

Checked By: A. F

For, INDICATIVE CONSULTANT INDIA

Parbat Gofui (Quality Manager) Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- 2. Sample is drawn by M/s. Indicative Consultant India
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- 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- 9. Location of Testing: Haldia Laboratory

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(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14.03.2023		Report No: ICI/HL/W/RN-415/2023	Format No: ICI/FM/H/67	7			
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-415		
Address	1	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	ä	04.03.2023		
#Customer Representative	100	Mr. C. P. Dhanuka	Sampling Time	1	09:30 AM		
Name & Contact Number	1	Mob. No+91-9332039296	Analysis Start Date	:	06.03.2023		
i ame co contact (tamoe)		WIOO. NO 191-9332039290	Analysis complete Date	:	13.03.2023		
#Work Order No.	3	DOM/4500287592 Dtd. 05.01.2023		-12			
#Sample Description	:	EFFLUENT					
Sample Condition	:	In Plastic Bottle & Glass Bottle					
Sampling Method	1	IS:3025 (Part I): 1987 (RA 2019), APHA	23 rd ed 2017				
#Location	:	EXTRUSION # 2 ETP OUTLET					
Material/ Test Specification	ŧ	Schedule - VI: General Standards for I Effluents; The Environment (Protection	Discharge of Environmental	Poll	utants: Part A		

SI.	Parameters	Unit	Result	Schedule - VI: G for Discharge of Pollutants Part	Environmental	Method Followed
140.		A		Inland Surface Water	Public Sewers	
1.	pH (at 22°C)	***	6.89	5.5-9 0	5,5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23rd Edition 4500-H+B
2.	Total Suspended Solid (TSS)	mg/L	51.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017, APHA 23rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	121.2	250 mg/L (max)	Not Specified	APHA 23rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	24.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	4.1	10. mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23rd Edition 5520B.

**The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

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- Sample is drawn by M/s. Indicative Consultant India
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2,	T. OCH ROLL	CH LESSE	ME.	Hatata	Laboratory	

End of Report-







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14.03.2023	1	Report No: ICI/HL/W/RN-416/2023	Format No: ICI/FM/H/67				
Customer Name	:	M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/W-416		
Address	3	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	:	04.03.2023			
Elwest 446 U att		CO CONTRACTOR CONTRACTOR	Sampling Time	1	10:10 AM		
#Customer Representative		Mr. C. P. Dhanuka	Analysis Start Date	:	06.03.2023		
Name & Contact Number	Mob. No +91-9332039296		Analysis complete Date	:	13.03.2023		
#Work Order No.	1	DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	145	EFFLUENT					
Sample Condition	*	In Plastic Bottle & Glass Bottle		- 21			
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 2	3 rd ed 2017				
#Location	:	COLLECTED TREATED WATER FROM COMMON WASTE WATER RECYCLING UNIT OF OUTFALL LWG # 4 & OLD WEIGH BRIDGE					
Material/ Test Specification	3.0	Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part A Effluents; The Environment (Protection) Rules, 1986					

SI.	Parameters	Unit	Result	for Discharge o	General Standards f Environmental t A: Effluents**	Method Followed	
No.				Inland Surface Water	Public Sewers		
1.	pH (at 22°C)	7.42	7,18	5,5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23rd Edition 4500-H+B	
2.	Total Suspended Solid (TSS)	mg/L	33.0	100 mg/L (max)	600 mg/L (max)	1S:3025 (Part-17): 1984; RA 2017, APHA 23rd Edition 2540D	
3.	Chemical Oxygen Demand (COD)	mg/L	40.4	250 mg/L (max)	Not Specified	APHA 23rd Edition 5220B	
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	8.44	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,	
5.	Oil and Grease	mg/L	2.8	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,	

^{**}The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Prepared By: Mondal

Checked By A. Patra

Parbati Gold (Quality Manager) Signatory Authority Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

- . # Information provided by customer
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- 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- 9. Location of Testing: Haldia Laboratory

End o	Ke	POP1









EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 14.03.2023	:	Report No: ICI/HL/W/RN-417/2023	Format No: ICI/FM/H/67				
Customer Name		M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-417		
Address	;	Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,	Sampling Date	:	04.03.2023		
			Sampling Time	:	10:20 AM		
#Customer Representative	190	Mr. C. P. Dhanuka	Analysis Start Date	;	06.03.2023		
Name & Contact Number	Contact Number Mob. No +91-9332039296 Analysis comple		Analysis complete Date	1	13.03.2023		
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	:	EFFLUENT					
Sample Condition	1	In Plastic Bottle & Glass Bottle					
Sampling Method	:	1S:3025 (Part I): 1987 (RA 2019), APHA 23	rded 2017	San Color			
#Location	3.00	COLLECTED UNTREATED WATE RECYCLING UNIT OF OUTFALL	LWG#4 & OLD WEIGH B	RID	GE		
Material/ Test Specification	1	Schedule - VI: General Standards for Dis Effluents; The Environment (Protection)	Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part A: Effluents; The Environment (Protection) Rules, 1986				

SI.	Parameters		Result		Discharge of tal Pollutants	Method Followed
110.				Inland Surface Water	Public Sewers	
1.	pH (at 22°C)	 -	6.97	5,5-9.0	5.5-9.0	IS:3025(Part-11):1983; RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	48.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984; RA 2017, APHA 23rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	90.9	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	21.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	4.5	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

Checked B

For, INDICATIVE CONSULTANT INDIA

(Quality Manager) Signatory Authority

Parbati Golui Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

Information provided by customer

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- Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report----

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST RE	PO	RT
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Date: 22.02.2023		Report No: ICI/HL/N/TC-030/2023	Economic N	in ICUTATIO				
Customer Name		M/s, GRAPHITE INDIA LTD.	rormati	No: ICI/FM/H/68				
Address		Durgapur - 713211, Dist - Paschim Bardhaman,	West Bangal					
#Customer Representative Name & Contact No.	Ŋ	Mr. C. P. Dhanuka Mob. No. 9332039296	west beligal,					
#Work Order No.	R27	OOM/4500287592 Dtd. 05.01.2023						
#Sample Description		AMBIENT NOISE						
Sampling Method	3	By Digital Noise Meter						
Test Method		IS 9989:1981 (RA 2020)						
Monitoring Details:		the (assessment from the second)						
Height from the floor		1.5 M	Take LOD (200)	I was seen				
Distance of Source		3.0 M	Total Time (T) Difference (dt)	: 18 Min : 2 Min				

	John Holling	OUNDARI W	ALL -NEAR MANDIR			DAY TIME
e e e	AND THE RESERVE OF TH	Sampling		Results dB(A)		5000 500
Sample ID	Sampling Date	Time	Equivalent Noise (L _{en}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit*
2023/N-120	13.02.2023	09:35 AM	60.36	62.0	58.1	

Noise Source/ I	ocation: NORTH B	OUNDARY W.	ALL -NEAR SECURITY	BARRACK		DAY TIME
C. T. III	William Control	Sampling		Results dB(A)		239 1,460
Sample ID	Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (Lmin) dB(A)	Limit*
2023/N-121	13,02,2023	10:10 AM	67.02	68.4	65.9	A
	Military			00.4	05.9	As per not

Noise Source/ I	ocation: NORTH B	OUNDARY W	ALL -BACK OF LWG #	3		DAY TIME
Charles I to The	20 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sampling		Results dB(A)		9500 AV 180
Sample ID	Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Vlaximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2023/N-122	13.02.2023	10:45 AM	66.37	68.0	64.8	As per note

Noise Source/ I	ocation: CENTRE	OF THE PLAN	T (NEAR PI UNIT # 1)			DAY TIME
Community III	6.00	Sampling		Results dB(A)		100000000000000000000000000000000000000
Sample ID	Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2023/N-123	13.02.2023	11:20 AM	66.01	67.2	64.7	As per not

			L - NEAR LWG # 4			DAY TIME
Commit III	A CONTRACTOR OF THE PARTY OF TH	Sampling		Results dB(A)		150 91 345
Sample ID	Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit*
2023/N-124	13.02.2023	11:55 AM	66.74	68.3	65.3	As per not

			D. I. Inc.		DAY TIME
2010 CO. 100 C	Sampling -		Results dB(A)		\$40 × 1395°C
Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise	Minimum Noise	Limit*
13.02.2023	12:30 PM	64.58			As per not
	Sampling Date	Sampling Date Time	Time Equivalent Noise (Leq) dB(A)	Sampling Date Time Equivalent Noise Maximum Noise (Leg) dB(A) (Lmax) dB(A)	Sampling Date Time Equivalent Noise Maximum Noise (L_{eq}) dB(A) (L_{min}) dB(A) (L_{min}) dB(A)

		Sampling	ALL -NEAR FINISHIG U	Results dB(A)		DAY TIME
Sample ID	Sampling Date	Time	Equivalent Noise (Leg) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit*
2023/N-126	13.02.2023	01:20 PM			(Lmin) UD(A)	720-0-000000X
	12.02.2023	01.20 FIVI	64.79	66.8	63.6	As per no

Page 1 of 4

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

CENTRAL LABORATORY:

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





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

Report No: ICI/HL/N/TC-030/2023

mi voise source	Location, SOUTH B	OUNDARY WA	ALL -BACK OF OLD ST			DAY TIME
Sample ID	Samples Day	Sampling		Results dB(A)		Limit*
Better trace to record to the	Sampling Date	Time	Equivalent Noise (Leg) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	dB(A)
2023/N-127	13.02.2023	02:20 PM	64.49	66.1	62.9	As per not
#Noise Source/	Location: SOUTH B	OUNDARY W	ALL-BACK OF CANTE	EN BUILDING		DAY TIME
C		Sampling		Results dB(A)		¥30. 34.2
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
202221420			(L _{eq}) dB(A)	(L _{max}) dB(A)	(Lmin) dB(A)	dB(A)
2023/N-128	13.02.2023	02:55 PM	65.15	66.4	63.8	As per not
usi c	105 m 6 m - 100 m - 10	2				
#Noise Source/ I	Location: EXTRUSI	ON#2 AREA (NORTH BOUNDARY W	ALL)		DAY TIM
Occupant Compa	and the continue of the contin	Sampling		Results dB(A)		Toronton.
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
20222145	12000000		(L _{eq}) dB(A)	(L _{max}) dB(A)	$(L_{min}) dB(A)$	dB(A)
2023/N-129	13.02.2023	03:40 PM	67.63	69.4	65.8	As per not
40N - 1 - C						
#Noise Source/ I	Location: EXTRUSI	ON # 2 AREA (EAST BOUNDARY WA			DAY TIME
Complete.	ACCUMPANT DATE	Sampling		Results dB(A)		[daylet
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
202221 120	12.02.222		(L _{eq}) dB(A)	(L _{max}) dB(A)	$(L_{min}) dB(A)$	dB(A)
2023/N-130	13.02.2023	04:10 PM	66.67	68.2	64.6	As per not
(181 1 C						
#Noise Source/ I	ocation: EXTRUSI	ON#2 AREA	SOUTH BOUNDARY W			DAY TIME
	The second second second second second	Sampling		Results dB(A)		7
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
		Action 1	(Leq) dB(A)	$(L_{max}) dB(A)$	(Lmin) dB(A)	dB(A)
2023/N-131	13.02.2023	04:40 PM	66.65	68.2	65.8	As per note
#Noise Source/ I	ocation: EXTRUSI	ON # 2 AREA (WEST BOUNDARY WA	LL)		DAY TIME
Salar	100 To 10	Sampling		Results dB(A)		
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
			(Leq) dB(A)	(Lmax) dB(A)	(Lmin) dB(A)	dB(A)
2023/N-132	13.02.2023	05:10 PM	66.06	67.2	64.4	As per note
#Noise Source/ L	ocation: EXTRUSIO	ON # 2 CENTRI	E OF THE PLANT -NEA	R NEW WEIGH BRID	GE	DAY TIME
	Times	Sampling		Results dB(A)		
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
		59+002-1	(Leq) dB(A)	(L _{max}) dB(A)	(Lmin) dB(A)	dB(A)
2023/N-133	13.02.2023	05:40 PM	65,79	67.4	64.1	As per note
Noise Source/ L	ocation: NORTH B	OUNDARY W	ALL-NEAR MANDIR			NIGHT TIME
360	NAME OF THE PARTY	Sampling		Results dB(A)		
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
		311177	(Leg) dB(A)	(L _{max}) dB(A)	(L _{min}) dB(A)	dB(A)
2023/N-134	13.02.2023	10:05 PM	60.32	62.0	57.4	As per note
					200 miles (1980)	The state of the s
Noise Source/ L	ocation: NORTH Bo	DUNDARY WA	LL -NEAR SECURITY	BARRACK		NIGHT TIME
		AND THE PROPERTY OF THE PARTY O		Results dB(A)		
Sample ID	Sampling Date	Sampling -	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*
outopic 115						dB(A)
	7) 132	Time	$(L_{eq}) dB(A)$	(L _{max}) dB(A)		dB(A)
2023/N-135	13.02.2023	10:35 PM	(L _{eq}) dB(A) 60.71	(L _{max}) dB(A) 62.6	(L _{min}) dB(A) 58.6	As per note

Page 2 of 4





HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973





(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

Report No: ICI/HL/N/TC-030/2023

THE COURT	Location: NORTH I	JOC. ID. LICE III	TEL DIVINO			NIGHT TIME	
6	Dis. 18	Sampling		Results dB(A)		Limit*	
Sample ID	Sampling Date	Time	Equivalent Noise (Leg) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	dB(A)	
2023/N-136	13.02.2023	11:05 PM	59.54	61.1	57.4	As per note	
#Noise Source/	Location: CENTRE	OF THE PLAN	T (NEAR PI UNIT # 1)			NIGHT TIME	
		78 78	(1.20.111.11.11.11.11.11.11.11.11.11.11.11.1	Results dB(A)		MIGHT HM	
Sample ID	Sampling Date	Sampling	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
TOTAL FOR CONSTRUCTION		Time	(Leq) dB(A)	(L _{max}) dB(A)	(L _{min}) dB(A)	dB(A)	
2023/N-137	13.02.2023	11:40 PM	60.74	62.2	58.8	As per note	
#Noise Source/ I	Location: FAST RO	UNDARVWAL	L - NEAR LWG#4				
Troise Bource 1	Cocation, LAST BO	- 100 ESS	L - NEAR LWG#4	Results dB(A)		NIGHT TIME	
Sample ID	Sampling Date	Sampling	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
SELECTION OF STORES	\$55.00 PO. #51.00 PM ##################################	Time	(L _{eq}) dB(A)	(L _{max}) dB(A)	(L _{min}) dB(A)	dB(A)	
2023/N-138	14,02,2023	12:15 AM	60.71	62.2	58.8	As per note	
(N) 1 0							
Noise Source/ I	Location: WEST BO	UNDARY WAI	LL - NEAR PERSONAL			NIGHT TIME	
Sample ID	Sampling Date	Sampling	THE COLD SHOW OF THE COLD SHOW AND ADDRESS.	Results dB(A)		Limit*	
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	dB(A)	
2023/N-139	14.02.2023	12:50 AM	(L _{eq}) dB(A) 60.19	(L _{max}) dB(A)	(L _{min}) dB(A)	93/50/2014/09	
2023/11-137	14.04.2025	12.30 AM	00.19	61.2	58.9	As per note	
#Noise Source/ I	ocation; SOUTH B	OUNDARY WA	LL-NEAR FINISHIG I	NIT#3		NIGHT TIMI	
		Olivia and and and		Results dB(A)		MOHI HWI	
Sample ID	Sampling Date	Sampling Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
	L. S. C.	rime	(Leg) dB(A)	$(L_{max}) dB(A)$	(L _{min}) dB(A)	dB(A)	
2023/N-140	14.02.2023	01,20 AM	60.17	62.6	58.8	As per note	
Waisa Caupan/ I	partian COUTH D	OLININA DAL MA	LL BACK OF OLD ST		Y		
rivoise Source/ 1	location; SOUTH B	OUNDARY WA	ILL -BACK OF OLD ST			NIGHT TIME	
Sample ID	Sampling Date	Sampling	Parity of States	Results dB(A)		Limit*	
Sample 1D	Sampling Date	Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise	Minimum Noise	dB(A)	
2023/N-141	14.02.2023	01:50 AM	60.76	(L _{max}) dB(A) 62.4	(L _{min}) dB(A) 58.9	CATOR AND P.	
		7	00170	02.4	20.7	As per note	
Noise Source/ L	ocation: SOUTH Be	DUNDARY WA	LL-BACK OF CANTE	EN BUILDING		NIGHT TIME	
128 (A.1779)	SEC. TO SEC.	Sampling		Results dB(A)			
Sample ID	Sampling Date	Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
2022/21 1 /2	14.00 0000		$(L_{eq}) dB(A)$	(L _{max}) dB(A)	(L _{min}) dB(A)	dB(A)	
2023/N-142	14.02.2023	02:30 AM	60.00	61.2	58.7	As per note	
Noise Source/ L	ocation: EXTRUSIO	ON#2 AREA	NORTH BOUNDARY W	ALIA		MCUTTIN	
		E 01	TOTAL BOOK TOTAL TO	Results dB(A)		NIGHT TIM	
Sample ID	Sampling Date	Sampling	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
	Therefore A R. S. W. M. S. S. P. S. C. A. S. C.	Time	(L _{co}) dB(A)	$(L_{max}) dB(A)$	(L _{min}) dB(A)	dB(A)	
2023/N-143	14.02.2023	03.15 AM	60.02	62.4	57.6	As per note	
Noise Course/1	d pympuou	201 10 10 10 10					
voise Source/ L	ocation; EXTRUSIO	JN#ZAREA (EAST BOUNDARY WA			NIGHT TIME	
Sample ID	Sampling Date	Sampling	Paulindan Mala	Results dB(A)		Limit*	
Jumpie ID	Jamping Date	Time	Equivalent Noise (Leq) dB(A)	Maximum Noise	Minimum Noise	dB(A)	
2023/N-144	14.02.2023	03:45 AM	(L _{eq}) dB(A) 59.59	(L _{max}) dB(A) 61.4	(L _{min}) dB(A)		
		-			57.9	As per note	
Noise Source/ L	ocation: EXTRUSIO	ON # 2 AREA (SOUTH BOUNDARY W	ALL)		NIGHT TIME	
	200 EUG EUG	1340 1340		Results dB(A)		1772	
Sample ID	Sampling Date	Sampling - Time	Equivalent Noise	Maximum Noise	Minimum Noise	Limit*	
		111110	(I A AID (A)			dB(A)	

6 molui Manager

(Lmin) dB(A)

58.7

Page 3 of 4

dB(A)

As per note

ICATIVE CONSULTANT INDIA

 $(L_{eq}) dB(A)$

60.13

CENTRAL LABORATORY:

14.02.2023

2023/N-145

04:15 AM

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

(Lmax) dB(A)

62.0







(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

Report No: ICI/HL/N/TC-030/2023

voise Source/ L	Location: EXTRUSI	ON#2 AREA (WEST BOUNDARY WA	ALL)		NIGHT TIM	
		Complina		Results dB(A)		# W. C. Tale 1	
Sample ID	Sampling Date	ling Date Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)	
2023/N-146	14.02.2023	04:50 AM	59.86	61.2	57.6	As per note	

TOTAL CONTRACTOR	John Sallicon	O. T. E. C. D. T. I.	E OF THE PLANT -NEA	Results dB(A)	OL.	Limit*
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{cu}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-147	14.02,2023	05:20 AM	59.26	60.2	57.6	As per note

*Note:

NOISE STANDARD

		Limits dB (A) Leq			
Area Code	Category of Area/Zone	Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM		
Α	Industrial Area	75	70		
В	Commercial Area	65	55		
C	Residential Area	55	45		
D	Silence Zone	50	40		

Checked By A Par

For, INDICATIVE CONSULTANT INDIA

Parbati ((Quality Manager) Signatory Authority

Quality Manager INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative

Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India

CENTRAL LABORATORY:

- Sample submitted and identified by customer as: N.A.
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- Noise data was recorded at the customer site in presence of customer's representative.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report The reproduction of the report except in full is invalid without written approval of the laboratory

Location of Testing	Plant Site &	Report was	generatea from	Haldia Labo	ratory

Part of	Mark Castronia (1)
P.H.G OI	Report

Page 4 of 4

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

MORKZONE AIR, NOISE LEVEL, LUMINATION & VENTILATION MONTORING REPORT

M/s. GRAPHITE INDIA LTD.

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

FEBRUARY-2023

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
Date of Execution of Job	••	06.02.2023 to 11.02.2023 & 13.02.2023 to 14.02.2023

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. 1.0

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 M/S. INDICATIVE CONSULTANT INDIA have been asked to carry out the survey of the WORK ZONE ENVIRONMENT monitoring, Noise, Ventilation and Illumination have been conducted with the use of Static and Portable monitoring instruments.

The general illumination over those interior parts where persons are regularly employed, shall be provide and maintained sufficient and suitable lighting natural and artificial both.

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 27 & Table No. 1 to 6 Noise Level Monitoring in Table No. 1 to 25, Ventilation Condition Testing in Table No. - 1 to 8 and of The entire field work was completed within the period of 06.02.2023 to 11.02.2023 & 13.02.2023 to 14.02.2023. Result of Work Illumination Level Testing in Table No. - 1.

P 1/3

2

2.0 DISCUSSION:

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

WORKZONE AIR RESULT

Average) and Air borne contaminants like inorganic dust and gases, organic fumes in the manufacturing area have been found to 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 27 & TABLE 1 to 6)

NOISE LEVEL RESULT

Sound levels are well within limit at all measured locations. (TABLE 1 to 25)

ILLUMINATION LEVEL MEASUREMENT RESULT

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

iv) VENTILATION CONDITION MEASUREMENT RESULT

- a) Volume of air change is ADEQUATE at all measured locations. (TABLE 1 to 8)
- Velocities of air inside the work places are ADEQUATE at all measured locations. (TABLE 1 to 8) 2
- Wet Bulb temperatures inside the work place are within limit at all measured locations. (TABLE 1 to 8)



3.0 ACKNOWLEDGEMENT:

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

Parbail Golui
Competent Person under Factories Act 1948: Section 36

Compact
Act 1970
INDICATIVE COLUMNITING

P 3/3

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: jayantasarkar67@gmail.com/ Mob. - 94340 17584 indicative consultantindia@gmail.com

. Ph.: 03224-275765

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

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 PRESS FLOOR

Raw materials, by-products and finished products: See Annexure-1 Raw materials, by-produ
 Particular of Sampling:

Name (in block letters)		ADH			TAR	
Nar (in b)	lette	20	₹		S. CHATTAR AJ	
Signature of person	Samples	F. Cart	'n	ź	Contract of the Contract of th	
Remark		Below	Below	Below	Below PEL	
workers ne location	Short term Exposure	•1				
Number of workers exposed at the location being monitored	Continuous Exposure	8	m:	m	т	
Reference	Method		See	Annexare-1	•	
TWA Concentration as given in	2nd Schedule (mg/M³)	10.0	5.0	5.0	0.9	
ination	Avg. mg/M³	1.084	0.445	0.020	0.044	
Airborne Contamination	Range mg/M	1.074 1.112 1.067	0.425 0.467 0.444	0.019 0.022 0.018	0.044	
Airborr	No. of sample	6	m	m	Е	
Sampling Instrument	Used	See Annexure-I				
Date & Time of	Monitoring		06.02.2023	to 04:00 PM		
Identified Contaminant		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation	Monitoring	-	EXTRUSI ON #1 PRESS	FLOOR		
25 X	?		, '			

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA Author

P 1/27

P 2/27

INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak

Haldia, Purba Medinipur-721602

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

indicativeconsultantindia@gmail.com

e-mail: jayantasarkar67@gmail.com/

Ph: 03224-275765 ·Mob. - 94340 17584

Table No. - 2

Form No. - 30

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

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 WEIGH FLOOR

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

	son (in block of letters)		Currentar sutraphar	2	Some CHATTARA		
Sign	Signature of person taking Samples						
	Remark		Below	Below	Below		
f workers the location	Short	k)	. ·	·			
Number of workers exposed at the location	Continuous Sho Exposure Expos	æ	m	േ	ю		
	Method		See Annexure-1				
TWA	TWA Concentration as given in 2 nd Schedule (mg/M³)		5.0	5.0	0.9		
ination	Avg. mg/M³	1.065	0.315	0.020	0.042		
Airborne Contamination	Range mg/M	1.066 1.087 1.043	0.321 0.314 0.309	0.020 0.022 0.019	0.042		
Airborn	No. of sample	3	3	3	т		
Sampling	Sampling Instrument Used		See Annexure-!				
Date & Time	Date & Time of Monitoring		06.02.2023 08:30 AM to 04:30 PM				
ion / Identified Date &	Identified		Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide		
Location/	Operation Monitoring		EXTRUSI ON #1 WEIGH	FLOOR			
5	N _S		14				

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTARY INDIA Authorized

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

Form No. - 30

Table No. - 3

e-mail: Jayantasarkar67@gmail.com/ indicative consultantin dia@gmail.com Ph: 03224-275765 .Mob. - 94340 17584

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

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 MIXER FLOOR

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

Raw materials, by-produ
 Particular of Sampling:

Name	(in block letters)		SUTRAD HAR		S CHATTA RAJ			
Signature of person	taking Samples	of my Stand	T. SUTRA					
	Кешагк	Below	Below	Below	Below			
workers ne location nitored	Short term Exposure		11.0	Q.	,			
Number of workers exposed at the location being monitored	Continuous Exposure	3	3	8	m			
Reference	Method		See Annexure-1					
TWA	TWA Concentration as given in 2 nd Schedule (mg/M³)		5.0	5.0	0.9			
ination	Avg. mg/M³	1.112	0.274	0.019	0.038			
Airborne Contamination	Range mg/M³	1.114	0.287 0.274 0.261	0.018 0.021 0.019	0.038 0.040 0.037			
Airbor	No. of sample	8	6	3	3			
Sampling	Used	See Annexure-1						
Date & Time of Monitoring		06.02.2023 09:00 AM to 05:00 PM						
Identified	Identified Contaminant		Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide			
Location / Operation	Monitoring		EXTRUSION #1 MIXER FLOOR					
i s ;	o.		, <u>2</u>					

PEL - Permissible Exposure Limit.

For, INDICATIVE DE

P 3/27

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.,

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

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

Name (in block letters)		T.	AR		S. CHATTAR AJ
Signature of person	Signature of person taking Samples		Yung S		
	Кешалк	Below	Below	Below	Below
workers se location nitored	Short term Exposure		5¥8 (a)		
Number of workers exposed at the location being monitored	Continuous Exposure	£	8	е	ю
Reference	Method		See	Annexare-1	
TWA	2nd Schedule (mg/M³)	10.0	5.0	5.0	6.0
ination	Avg. mg/M³	1.025	0.424	0.023	0.042
Airborne Contamination	Range mg/M³	1.025 1.039 1.011	0.471 0.462 0.339	0.021 0.025 0.023	0.042
Airborr	No. of sample	3	ъ	3	m
Sampling	Used		See	Annexare-I	
Date & Time of Monitoring			06.02.2023	to 05:25 PM	
Identified	Contaminant	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Sl. Location / No Operation Monitoring		EXTRUSI ON #1 COOLER FLOOR			
		- CH			

PEL - Permissible Exposure Limit

AL INDIA For INDICATIVE CONS Authy

P 4/27

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

Table No. - 5 Form No. - 30

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

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

Name (in block letters)		Let was York	SUTRADH AR		S. CHATTAR AJ		
Signature of person	Signature of person taking Samples		Č		The same		
	Nemark	Below PEL	Below	Below	Below		
workers se location nitored	Short term Exposure	•0			48		
Number of workers exposed at the location being monitored	Continuous Exposure	m		ю	m		
Reference	Method		See	Annexure-1			
TWA Concentration as given in 2 nd Schedule (mg/M³)		10.0	5.0	5.0	0.9		
ination	Avg. mg/M ³	0.906	0.332	0.020	0.040		
Airborne Contamination	Range mg/M³	0.914	0.324 0.341 0.331	0.020 0.022 0.019	0.040 0.042 0.039		
Airbor	No. of sample	3	3	6	ю		
Sampling Instrument Used		See Annexure-I					
Location / Identified Date & Time of Monitoring Contaminant Monitoring			07.02.2023	to 04:15 PM			
		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide		
			EXTRUSI ON #2 PRESS	FLOOR			
zi :	S.	- 4					

PEL – Permissible Exposure Limit.

For INDICATIVE CONSELERANT INDIA Author

P 5/27

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

Table No. - 6 Form No. - 30

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Ph.: 03224-275765

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

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

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

	Signature Name of person (in block taking letters)		Below SUTRADH	Below	Below Colf CHATTAR
workers e location	T= -	Below		,	
Number of workers exposed at the location being monitored	Continuous Exposure		e a	e .	3
Reference	Method		j	Annexure-I	
TWA	2nd Schedule (mg/M³)	10.0	5.0	5.0	6.0
ination	Avg. mg/M³	1.437	0.685	0.021	0.042
Airborne Contamination	Range mg/M³	1.432	0.677 0.692 0.685	0.020 0.023 0.021	0.042
Airborn	No. of sample	m	m	ୂଜ	
Sampling	Sampling Instrument Used		See Annexure-1		
Date & Time of Monitoring			07.02.2023 08:40 AM	to 04:40 PM	
Identified	Identified Contaminant		Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation Monitoring			EXTRUSIO N#2 14MT. FLOOR		
ಹ	0	×			

PEL – Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Authoriza Parbe

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

Form No. - 30

Table No. - 7

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

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 R-C SHOP

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

Name (in block letters)		OW COCOM TO THE SUIRABH	AR		S CHATTAR AJ
Signature	Signature of person taking Samples		ř	ć	THE STATE OF THE S
	Кешагк	Below	Below PEL	Below	Below
workers te location nitored	Short term Exposure				
Number of workers exposed at the location being monitored	Continuous Exposure	m	90	ണ	m
Reference	Method		See	Annexare-1	
TWA Concentration as given in 2 nd Schedule (mg/M²)		10.0	5.0	5.0	6.0
ination	Avg. mg/M³	1.470	0.569	0.020	0.039
Airborne Contamination	Range mg/M³	1.487 1.466 1.456	0.587 0.568 0.552	0.020 0.021 0.018	0.039 0.040 0.037
Airborn	No. of sample	6.	ത	ĸ	m
Sampling	Used	See Annexure-1			
Identified Date & Time of Contaminant Monitoring		(4	07.02.2023	to 05:10 PM	
		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation Monitoring		BAKING R-C SHOP			
S St					

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Authorize

P 7/27

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

Form No. - 30

Table No. - 8

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com ·Mob. - 94340 17584

Ph.: 03224-275765

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. Dist - Paschim Bardhaman Durgapur, PIN -713211, West Bengal

1. Name of the Department/Plant: BAKING RH 16 SHOP FLOOR

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

Name (in block letters)		T. SITTE A DHA B			SCHATTARAJ		
Signature	Signature of person taking Samples		3		3000		
100	Remark	Below to Som to	Below	Below	Below		
workers he location nitored	Short term Exposure			3			
Number of workers exposed at the location being monitored	Continuous Exposure	3	3	ю	m		
Reference	Method		See	Annexure-1			
TWA	TWA Concentration as given in 2 nd Schedule (mg/M³)		5.0	5.0	6.0		
ination	Avg. mg/M²	2.379	898'0	0.018	0.038		
Airborne Contamination	Range mg/M³	2.375 2.397 2.366	0.877 0.869 0.858	0.018 0.020 0.017	0.038 0.040 0.037		
Airbo	No. of sample	8	: ::m	m	т		
Sampling	Sampling Instrument Used		See Annexure-1				
Identified Date & Time of Contaminant Monitoring		*	07.02.2023 09:35 AM	to 05:35 PM			
		Suspended * Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide		
Location / Operation Monitoring		BAKING BAKING RH 16 SHOP FLOOR					
z;	ž		,				

PEL - Permissible Exposure Limit.



For INDICATIVE COM

P 8/27

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

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia (agmail com Ph.: 03224-275765 Mob. - 94340 17584

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

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 Annexure-1 Particular of Sampling .

The Control of the	Name (in block letters)		T	AR		S. CHATTAR
	Signature of person	taking Samples	Ar Color	September 1	8	163 3
		Кетагк	Below	Below	Below	Below PEL
	workers se location nitored	Short term Exposure		29		
	Number of workers exposed at the location being monitored	Continuous Exposure	£	Е	ю	m
	Reference	Method		See	Annexare-I	
	TWA	2 nd Schedule (mg/M³)	10.0	5.0	5.0	0.9
Ì	Airborne Contamination	Avg. mg/M³	1.985	1.124	0.019	0.040
		Range mg/M³	1,988	1.125 1.112 1.136	0.018 0.021 0.017	0.040
		No. of sample	3	m	3	м
	Sampling Instrument Used		See Annexare-1			
. 9	Date & Time	Monitoring		08.02.2023	to 04:40 PM	
or a meaning of Sampling .	Identified	Contaminant	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
	Location / Operation Monitoring		BAKING RH 24 (1) SHOP FLOOR			
	Š	Š.	K 2			

PEL - Permissible Exposure Limit.

PION For INDICATIVE CONSULTIAN Authori

P 9/27

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

Form No. - 30

Table No. - 10

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com · Mob. - 94340 17584

Ph.: 03224-275765

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

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

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

1. Name of the Department/Plant: BAKING TUNNEL KILN SHOP

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

Name (in block letters)		T		11	S.
Signature	taking Samples	of the state of	3		1 6 S
	Remark	Below PEL	Below PEL	Below	Below
f workers he location nitored	Short term Exposure	,		*	
Number of workers exposed at the location being monitored	Continuous Exposure	3	e.	m	ю
Reference	Method		See	Annexure-1	
TWA	2nd Schedule (mg/M²)	10.0	5.0	5.0	6.0
ination	Avg. mg/M³	2.554	1.517	0.020	0.043
rne Contamination	Range mg/M³	2.566 2.554 2.541	1.524	0.020	0.044
Airborn	No. of sample	m	æ	m	6
Sampling	Used	See Annexure-1			
Date & Time	Date & Time of Monitoring		08.02.2023 08:55 AM	to 04:55 PM	
on/ Identified Date & T	Contaminant	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location /	Location / Operation Monitoring		BAKING TUNNEL KILN	dolls	
Si.	ž	71			

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSEL

Ph.: 03224-275765 ·Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia (agmail. com

Table No. - 11

Form No. - 30

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

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

INDICATIVE CONSULTANT INDIA

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

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

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

Name	(in block letters)	T y	AR		S. CHATTAR AJ	
Signature	taking Samples	-50 co	3	9	The second	
	Remark	Below	Below	Below PEL	Below	
workers ne focation nitored	Short term Exposure	Ĭ.		·		
Number of workers exposed at the location being monitored	Continuous Exposure	r	. 8	ю	E .	
Reference	Method		See	Annexure-1		
TWA	as given in 2 nd Schedule (mg/M ³)	10.0	5.0	5.0	6.0	
ination	Avg. mg/M ³	2.564	11211	0.018	0.042	
Airborne Contamination	Range mg/M³	2.555 2.574 2.562	1.221 1.215 1.197	0.018 0.019 0.017	0.040 0.043 0.042	
Airbon	No. of sample	3	6	33	m	
Sampling	Used	See Annexure-1				
Date & Time of Monitoring		08.02.2023 09:15 AM to 05:15 PM				
Identified Contaminant		Suspended Particulate Matter Respirable Particulate Matter Sulphur Dioxide Nitrogen Dioxide			Nitrogen Dioxide	
Location /	Location / Operation Monitoring		PITCH IMPREGNAT ION UNIT#2	SHOP		
ಶ	Š		`-			

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSUETANTIANDIA Author

P 11/27

P 12/27

INDICATIVE CONSULTANT INDIA

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

Form No. - 30

Table No. - 12

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

1. Name of the Department/Plant: PITCH IMPREGNATION UNIT # 3 SHOP

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

Particular of Sampling

Name	letters)	T. T.	DHAR		S. CHATT	
Signature of person taking Samples		7 0	3		15 mg	
Pemerk		Below	Below	Below	Below	
workers e location	Short term Exposure	(8)	1			
Number of workers exposed at the location being monitored	Continuous Exposure	3	m		e.	
Reference	Method		See	Annexure -1		
TWA Concentration as given in	2" Schedule (mg/M²)	10.0	5.0	5.0	0.9	
nation	Avg. mg/M³	1.935	0.918	0.019	0.040	
Airborne Contamination	Range mg/M³	1.947	0.925 0.918 0.912	0.018 0.021 0.019	0.039	
Airbor	No. of sample	3	3	3	9	
Sampling	Used		See Annexare-1			
Date & Time of Monitoring			08.02.2023		4	
Identified		Suspended Particulate Matter	Respirable ' Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation Monitoring			PITCH	ATION UNIT #3 SHOP		
5 2	2		4			

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSUETANT INDIA IND Authorize

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

Table No. - 13

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

Ph: 03224-275765 ·Mob. - 94340 17584

Form No. - 30

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

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-I Particular of Sampling:

Name Gn block	letters)	FA T. SUTRAD	HAR		S. CHATTA RAJ
Signature of person	taking Samples	tow Low Sammy State	the state of the s		Mary S
Remark		Below	Below	Below	Below
f workers he location mitored	Short term Exposure	€.			
Number of workers exposed at the location being monitored	Continuous Exposure	м	т	്ത	m
Reference	Method		Š	Annexare-1	
TWA Concentration as given in 2" Schedule (mg/M)		10.0	5.0	5.0	6.0
nation	Avg.	2.731	1.230	0.020	0.042
Airborne Contamination	Range mg/M	2.741 2.733 2.720	1.241 1.232 1.218	0.020 0.021 0.019	0.042 0.043 0.041
Airbo	No. of sample	8	m	ю	ю
Sampling Instrument	Used	See Annexure-1			
Date & Time of Monitoring			09.02.2023	08:20 AM to 04:20 PM	4
Identified		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation Monitoring			GRAPHITE ACHESON SHOP		
z i 2			٠.,	=4.97	

PEL - Permissible Exposure Limit



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

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

Table No. - 14 Form No. - 30

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Ph.: 03224-275765

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

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.

 Raw materials, by-products and finished products: See Annexure-1
 Particular of Sampling: 1. Name of the Department/Plant: LWG # 3 SHOP

Signature Name of person (in block taking letters)		Į.	SUTRA		S.	
		30	Ž,		Stands	
	Remark	Below	Below	Below	Below	
f workers he location	Short term	Exposure				
Number of workers exposed at the location	Continuous Short	3		m	E	
Reference	Method		See	Annexure. 1		
TWA Concentration as given in 2" Schedule (mg/M²)		10.0	5.0	5.0	0'9	
ination	Avg.	2.405	1.167	0.020	0.038	
Airborne Contamination	Range mg/M³	2.399 2.412 2.405	1.165	0.020 0.022 0.019	0.038	
Airbo	No. of sample	3	m	т	8	
Sampling Instrument	Used	See Annexure-1				
Date & Time of Monitoring			09.02.2023 08:40 AM		4	
Identified		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation Monitoring			LWG#3			
rs &			<u>.</u> ,			

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTAN Author

P 14/27

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

Form No. - 30

·Mob. - 94340 17584

Ph.: 03224-275765

Table No. - 15

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com

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

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Name of the Department/Plant: LWG # 4 SHOP

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

Name (in block	(ters)	T	AR		S. CHATTAR AJ
		35%			
Signature of person taking Samples		Ego.	ž,		* S
S Remark o		Below	Below	Below PEL	Below
workers he location nitored	Short term Exposure		ř.	٠	3
Number of workers exposed at the location being monitored	Continuous Exposure	m	ю	· m	т.
Reference	Method		See	Annexure-1	
TWA Concentration as given in 2 nd Schedule (mg/M ²)		10.0	5.0	5.0	6.0
nation	Avg.	1.874	0.748	0.018	0.040
Airborne Contamination	Range mg/M³	1.855	0.741 0.769 0.733	0.018 0.019 0.018	0.040
Airbo	No. of sample		3	3	3
Sampling	Used		See	Annexure-1	
Location / Identified Date & Time Of Contaminant Monitoring			09:00 AM	to 05:00 PM	4
		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
			LWG#4		
Z 2			٠.,		

PEL - Permissible Exposure Limit.

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

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

Form No. - 30 Table No. - 16

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com ·Mob. - 94340 17584

Ph.: 03224-275765

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

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

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

Name (in block	letters)	T	AR		S CHATTA RAI
Signature of person taking Samples		Volumbril 2	n	ۇ. را	1 Ke 3
Remark		Below	Below PEL	Below	Below PEL
workers e Jocation nitored	Short term Exposure			2002	
Number of workers exposed at the location being monitored	Continuous Exposure	en .	т	ю	ю
Reference	Method		See	Annexure-1	
TWA Concentration as given in	2" Schedule (mg/M ²)	10.0	5.0	5.0	6.0
ination	Avg. mg/M³	1.462	0.586	0.020	0.044
Airborne Contamination	Range mg/M	1.488	0.587 0.596 0.574	0.020 0.022 0.019	0.045
Airbo	No. of sample	3		3	3
Sampling	Used		See	Annexure-1	
Location / Identified Date & Time Operation Contaminant Monitoring			09.02.2023	to 05:30 PM	4.
		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
			LWG#5 SHOP		
ಶ ಶ			٦,		200

PEL - Permissible Exposure Limit.

Ph.: 03224-275765

·Mob. - 94340 17584

e-mall: Jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com

Form No. - 30 Table No. - 17

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

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

INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak

Haldia, Purba Medinipur-721602

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 # 1 SHOP FLOOR

Raw materials, by-products and finished products: See Annexure-1 Raw materials, by-produced
 Particular of Sampling:

Name Gn Mock	letters)	T. SUTRADH	AR.		S. CHATTAR	
Signature of person	Samples	The state of the s	3		\$ E	
Remark		Below	Below PEL	Below	Below	
f workers he location mitored	Short term Exposure					
Number of workers exposed at the location being monitored	Continuous	en	3	m	ю	
Reference	Method		See	Annexure-1		
TWA Concentration as given in	Concentration as given in (mg/M*) 10.0	5.0	5.0	6.0		
nation	Avg.	2.190	1.145	0.018	0.039	
Airborne Contamination	Range mg/M ³	2.214 2.187 2.168	1.141	0.018 0.019 0.017	0.039	
Airbor	No. of sample	3	m			
Sampling	Used	* See Annexure-1				
Date & Time of Monitoring			10.02.2023	to 04:30 PM	-	
Identified		Suspended Particulate, Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation Monitoring			FINISHIN	#1 SHOP FLOOR		
zi 2						

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Authorized Signatory

P 17/27

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

Table No. - 18 Form No. - 30

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Ph.: 03224-275765

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

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

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

Signature Name of person (in block taking letters)		-	HAR		S. CHATTA RAJ
		A CONTRACTOR OF THE PARTY OF TH	'n		**************************************
Demod		Below	Betow	Below	Below
workers te location nitored	Short term				9
Number of workers exposed at the location being monitored	Continuous	m	_m	m	т.
Reference	Method		Š	Annexure-1	
TWA Concentration as given in 2" Schedule (mg/M')		10.0	5.0	5.0	0.9
nation	Avg. mg/M³	2.276	1.461	0.023	0.040
Virborne Contamination	Range mg/M³	2.274 2.285 2.269	1.469 1.461 1.454	0.021 0.024 0.023	0.040
Airbor	No. of sample	3	6	3	3
Sampling	Used		See	Annexure-1	
Location / Identified Date & Time Operation Contaminant Monitoring			10.02.2023	to 05:10 PM	41
		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
			FINISHING #2 SHOP	FLOOR	
ъ. 2			4.		

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSECTANT Author

P 18/27

P 19/27

INDICATIVE CONSULTANT INDIA

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

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

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

Form No. - 30 Table No. - 19

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com -Mob. - 94340 17584

Ph.: 03224-275765

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Name of the Department/Plant: FINISHING # 3 SHOP FLOOR

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

Name (in block	letters)	T.	HAR		S. CHATTA RAJ
Signature of person	Samples	Je San Je	S	ć	
Remark		Below PEL	Below	Below	Below
workers he location nitored	Short term Exposure			ù•	
Number of workers exposed at the location being monitored	Continuous	3	3	3	3
Reference	Method		See	Annexare-1	
TWA Concentration as given in 2" Schedule (mg/M²)		10.0	5.0	5.0	6.0
ation	Avg. mg/M³	2.599	1.240	0.019	0.037
Airborne Contamination	Range mg/M³	2.585 2.611 2.602	1.247	0.019 0.021 0.018	0.037 0.039 0.036
Airbo	No. of sample	3	3	3	3
Sampling Instrument	Used		See	Annexare-I	
Date & Time of Monitoring			10.02.2023	to 05:25 PM	41
Identified Contaminant		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation Monitoring			FINISHIN	#3SHOP FLOOR	
R S	1		÷.		

PEL – Permissible Exposure Limit.

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

Form No. - 30

Table No. - 20

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

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

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

Name (in block letters)		T. SITERAD	HAR		CHATTA RAJ	
Signature of person (itaking I		July may 1	ŝ		Eugh S	
Sig Remark of t		Below	Below PEL	Below	Below PEL	
workers te location nitored	Short term Exposure					
Number of workers exposed at the location being monitored	Continuous Exposure	3	3	8	m	
Reference	Method		Še	Annexure-1		
TWA Concentration as given in	2" Schedule (mg/M')	10.0	5.0	5.0	6.0	
nation	Avg. mg/M	2.934	1.611	0.020	0.040	
Airborne Contamination	Range mg/M³	2.925 3.025 2.852	1.625 1.597 1.611	0.020 0.022 0.019	0.040	
Airbor	No. of sample	3	3	6	6	
Sampling Instrument	Used	See Annexure-1				
Date & Time of Monitoring			. 10.02.2023	to 05:45 PM	4:	
Identified	Contamand	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation Monitoring			GRAPHIT E FINES	SCREENI NG SHOP		
15 2						

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

P 20/27

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

Table No. - 21 Form No. - 30

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Ph: 03224-275765

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

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)

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

	Signature Name of person (in block taking ketters)		T			S. CHATTARAJ
			7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Ž.	5	Some
			Below	Below	Below	Below
	f workers he location nitored	Short term Exposure	13.013	٠.		410
	Number of workers exposed at the location being monitored	Continuous Exposure	ю	ilen	m	6
	Reference	менод		See	Annexure-1	
	TWA Concentration as given in 2 ^{nt} Schedule		10.0	5.0	5.0	0.9
	nation	Avg.	1.163	099.0	0.018	0.041
	Airborne Contamination	Range mg/M³	1.145	0.647 0.698 0.636	0.018 0.020 0.017	0.041
	Airbo	No. of sample	æ	3	3	æ
	Sampling Instrument	Used		See	Annexure-1	
i Simila	Identified Date & Time of Contaminant Monitoring			11.02.2023		
3. Faluculai of Sampring.			Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
3, 1,6	Location / Operation Monitoring			CANTEEN (KITCHE	N AREA)	
Ì	<i>3</i> i 2			- ×		
L						

PEL - Permissible Exposure Limit.

For INDICATIVE CONSULTANT INDIA Authoriz

P 21/27

Ph: 03224-275765 Mob. - 94340 17584

e-mail: Jayantasarkar67@gmail.com/ indicative consultantindia agmail.com

INDICATÍVE CONSULTANT INDIA

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

Form No. - 30

Table No. - 22

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

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

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

Name (in block	letters)	T T SUTRADHA	ĸ		S. CHATTARA J	
Signature of person	Samples	1 18 M		É	E VE	
S. Remark 0		Below	Below	Below	Below PEL	
workers he location nitored	Short term Exposure		55		2*	
Number of workers exposed at the location being monitored	Continuous Exposure	3	3	m	en .	
Reference	Memod		See	Annexare-1		
TWA Concentration as given in	2" Schedule (mg/M³)	10.0	5.0	5.0	0.9	
nation	Avg. mg/M³	1.298	092.0	0.021	0.040	
Airborne Contamination	Range mg/M³	1.285 1.311 1.297	0.777 0.758 0.745	0.020 0.023 0.019	0.040	
Airbor	No. of sample	m	m	m	ю	
Sampling Instrument	Used	Annexure-1				
Date & Time of Monitoring			11.02.2023		4	
Identified		Suspended Particulate . Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide	
Location / Operation Monitoring			RH - 24 (II)			
zi 2		-'				

PEL - Permissible Exposure Limit.

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

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

Table No. - 23 Form No. - 30

e-mail: jayantasarkar67@gmail.com/ Mob. - 94340 17584 indicative consultantindia@gmail.com

Ph.: 03224-275765

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

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

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

Name Ga Mock	letters)	T. T. SITTEANH	AR		S CHATTAR AJ
Signature of person	Samples	Jeson V	Š		6 Key 5
Remark		Below	Below	Below	Below
workers be location nitored	Short term Exposure	,	60	3	
Number of workers exposed at the location being monitored	Continuous Exposure	m	m	m	, es
Reference	Method		See	Annexure-1	
TWA Concentration as given in	2" Schedule (mg/M³)	10.0	5.0	5.0	6.0
nation	Avg. mg/M¹	2.514	1.313	0.019	0.040
Airborne Contamination	Range mg/M³	2.551 2.504 2.487	1,312 1,287 1,341	0.018 0.020 0.018	0.039
Airbo	No. of sample	3	3	3	ю
Sampling Instrument	Used		See	Annexare-1	
Date & Time of	Monitoring		11.62.2023	to 05:00 PM	-
Identified		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation	Monitoring		PITCH IMPREGNATI ON UNIT #4		
7 5			н.		

PEL - Permissible Exposure Limit,

For, INDICATIVE CONSID.TANT INDIA Authorize Parba

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

Table No. - 24

e-mail: jayantasarkar67@gmail.com/ Mob. - 94340 17584 indicative consultantindia@gmail.com

Ph.: 03224-275765

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

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)

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

Name (in block	letters)	T			S. CHATTA RAJ
Signature of person	taking Samples	35.65.2	j.	Ź	Some
Remark		Below	Below	Below	Below
workers te location uitored	Short term Exposure		P.	0.	
Number of workers exposed at the location being monitored	Continuous Exposure	en	т	en	е
Reference	Method		See	Annexure-1	
TWA Concentration as given in	2" Schedule (mg/M³)	10.0	5.0	5.0	6.0
nation	Avg. mg/M³	3.841	1.900	0.020	0.045
Airborne Contamination	Range mg/M³	3.925	1.922	0.019 0.022 0.019	0.044
Airbor	No. of sample	m	ю	3	6
Sampling	Used		See	Annexare-1	
Date & Time of	Monitoring		11.02.2023	to 05:20 PM	a.
Identified		Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation	Monitoring		LWG UNIT#4 AUTO DUST RACCING	AREA (DURING BAGGING)	
ઝ 2			· -		

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Authorized Signatory Bolui

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

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

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

Form No. - 30

Table No. - 25

e-mail: jayantasarkar67@gmail.com/ indicative consultantin dia agmail.com Ph.: 03224-275765 Mob. - 94340 17584

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act. Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Name of the Department/Plant: STORE SHOP FLOOR
 Raw materials, by-products and finished products: See Annexure-1

		Cylin .			
Name Gir block	letters)	T.	AR		S CHATTAR AJ
Signature of person	Samples	and the second	Š		Semit
Remark		Below	Below	Below	Below
f workers he focation mitored	Short term Exposure				
Number of workers exposed at the location being monitored	Continuous Exposure	m	m	m	m
Reference	Method		See	Annexure-1	
TWA Concentration as given in	2" Schedule (mg/M [†])	10.0	5.0	5.0	6.0
nation	Avg, mg/M³	3,273	2.181	0.020	0.040
Airborne Contamination	Range mg/M³	3.225 3.387 3.206	2.125 2.192 2.226	0.019	0.039
Airbor	No. of sample	æ	æ	n	т
Sampling	Used		See	Annexare-1	
Date & Time of	Monitoring		13.02.2023	to 05:05 PM	5.7
Identified	Contaminant	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation	Monitoring		STORE	FLOOR	
zi 2				7	

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA Auth

P 25/27

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

Table No. - 26 Form No. - 30

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

Ph: 03224-275765

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

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

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

-	(in block letters)	3	SUTRADH		Synd CHATTAR
Signatur	taking	No.	LA V		Jan
	Remark	Below	Below PEL	Below	Below
workers te location	Short term	Syposure		100	5.
Number of workers exposed at the location	Continuous Short	3	*n	r.	
Reference	Method		į	Annexure-1	
TWA Concentration	2nd Schedule	10.0	5.0	5.0	6.0
nation	Avg.	3.246	1.921	0.020	0.040
Airborne Contamination	Range mg/M³	3.225 3.314 3.198	1.925	0.019 0.022 0.020	0.040
Airbo	No. of sample	3	æ	m	3
Sampling	Used		See	Mnnexure-1	
Date & Time of	Monitoring		13.02.2023 09:30 AM	_	
Identified		Suspended Particulate Mattes	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation	Monitoring		MAINTANAN	CE SHOP FLOOR	
zł S			2		

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSER

P 26/27

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

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

Table No. - 27 Form No. - 30

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

Ph.: 03224-275765

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

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

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

1. Name of the Department/Plant: LWG #5 AUTO DUST BAGGING AREA (DURING BAGGING)

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

Name (in block	letters)	SUTRAD	HAR		S CHATTA RAJ
Signature of person	Samples	Chambre.	3	4	Semen
Remark		Below	Below	Below	Below
workers ne location nitored	Short term Exposure				
Number of workers exposed at the location being monitored	Continuous Exposure	m	es	m	ю
Reference	Method		à	Annexure-1	
TWA Concentration as given in	2" Schedule (mg/M³)	10.0	5.0	5.0	6.0
nation	Avg. mg/M³	3.847	2.404	6.019	0.039
Airborne Contamination	Range mg/M³	3.841 3.925 3.774	2.325 2.477 2.411	0.019 0.021 0.018	0.039 0.041 0.038
Airbor	No. of sample	3	m	m	т
Sampling Instrument	Used		See	Annexare-1	
Date & Time of	Monitoring		13.02.2023	to 05:50 PM	14.1
Identified	Contaminant	Suspended Particulate Matter	Respirable Particulate Matter	Sulphur Dioxide	Nitrogen Dioxide
Location / Operation	Monitoring		LWG #5 AUTO DUST BAGGING	AREA (DURING BAGGING)	
7 8 2			- K	3	

PEL – Permissible Exposure Limit.

Form No. - 30

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

e-mail: jayantasarkar67 agmail.com/

indicative consultantindia agmail.com

Ph.: 03224-275765 Mob. - 94340 17584

M/s. GRAPHITE INDIA LTD.

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

RESULT OF WORK ZONE MONITORING:-

Name of the Department/Plant: R.C. - 1 BAKING FURNACE SHOP

Raw materials, by-products and finished products: -

Particular of Sampling: - Respirable dust sampler

Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act: 2nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
Methyl Alcohol (as CH,OH)		32.5	260		Below PEL	É	×
Ethyl Alcohol (as C ₂ H ₅ OH)	07.02.2023	<0.1	1900		Below PEL	-	BHATTACHAKYA
	09:10 AM	<0.05	6	See Annexure-1	Below PEL		
	to 05:10 PM	IIN	20		Below PEL	<i>5</i> .	
		50.0	375		Веюн	(J.	CHATTARAJ

PEL - Permissible Exposure Limit.

Form No. - 30

M/s. GRAPHITE INDIA LTD.

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

INDICATIVE CONSULTANT INDIA H.P.L Link Road, Basudevpur, Khanjanchak Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

RESULT OF WORK ZONE MONITORING:-

- Name of the Department/Plant: RIED HAMMER 24 (I) SECTION SHOP
 Raw materials, by-products and finished products: Particular of Sampling: Respirable dust sampler

Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act: 2°d Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
Methyl Alcohol (as CH ₃ OH)		40.1	260		Below PEL	æ	A. BHATTACHAR
Ethyl Alcohol (as C ₂ H ₅ OH)	11.02.2023	9.1	1900		Below PEL	3	YA
Formic Acid (as HCOOH)	08:30 AM	<0.05	6	See Annexure-1	Below PEL		
Benzene (as C ₆ H ₆)	to 04:30 PM	<0.05	20		Below	Jan J	só
Toluene (as C ₆ H ₅ CH ₅)		<0.05	375		Below	3	CHATTARAJ

PEL - Permissible Exposure Limit.



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

Form No. - 30

Mob. - 94340 17584 e-mail: jayantasarkar67/agmail.com/ indicativeconsultantindia@gmail.com

Ph.: 03224- 275765

M/s. GRAPHITE INDIA LTD.

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

RESULT OF WORK ZONE MONITORING:-

- Name of the Department/Plant: BAKING TUNNEL KILN SHOP
 Raw materials, by-products and finished products: Particular of Sampling: Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act: 2nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Remark Signature	Name (in block letters)
	Methyl Álcohol (as CH ₃ OH)		<0.1	260		Below	8	
	Ethyl Alcohol (as C ₂ H ₃ OH)	08.02.2023	<0.1	1900		Below	60)	BHATTACHA
FUNNEL	Formic Acid (as HCOOH)	# 08:55 AM	<0.05	6	See Annexure-1	Below		
SHOP	Benzene (as C ₆ H ₆)	to 04:55 PM	<0.05	20		Below PEL	W,	
	Toluene (as C ₆ H ₅ CH ₅)		<0.05	375		Below	20 C Sund	S CHATTARAJ

PEL – Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA Auth

P 3/6

Ph: 03224-275765

Form No. - 30

Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com

M/s. GRAPHITE INDIA LTD.

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

INDICATIVE CONSULTANT INDIA H.P.L Link Road, Basudevpur, Khanjanchak Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

RESULT OF WORK ZONE MONITORING:-

- Name of the Department/Plant: P.I. UNIT 2 SHOP
 Raw materials, by-products and finished products: Particular of Sampling: Respirable dust sampler
- Particular of Sampling: Respirable dust sampler

Name (in block letters)		ВНАТТАСНАКУА		si	CHATTARAJ
Remark Signature	(0		چ پر	
Remark	Below	Below	Below	Below PEL	Below
Sampling Instrument used and Reference method			See Annexure-1		
TWA Concentration as given in Factory's Act: 2 nd Schedule (mg/M³)	260	1900	6	20	375
Air Contaminants	<0.1	<0.1	<0.05	<0.05	<0.05
Date & Time of Monitoring		08.02.2023	\$ 100 WA 21-00	to 05:15 PM	
Identified contaminants	Methyl Alcohol (as CH ₃ OH)	Ethyl Alcohol (as C ₂ H ₅ OH)	Formic Acid (as HCOOH)	Benzene (as C ₆ H ₆)	Toluene (as C ₆ H ₅ CH ₃)
Location / Operation monitoring			2 SHOP		

PEL - Permissible Exposure Limit.

For INDICATIVE CONSULTANT INDIA

P 4/6

Form No. - 30

Ph.: 03224-275765

Mob. - 94340 17584

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

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

M/s. GRAPHITE INDIA LTD.

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

RESULT OF WORK ZONE MONITORING:-

Name of the Department/Plant: ACHESON FURNACE SHOP

.. Raw materials, by-products and finished products: -

Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act :2 nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)	2202.00	<0.1	260		Below PEL	<	
	Ethyl Alcohol (as C ₂ H ₅ OH)	09.02.2023	<0.1	1900		Below	6	BHATTACHAR
FURNACE	Formic Acid (as HCOOH)	2 00.00	<0.05	6	See Annexure-1	Below		
- dolla	Benzene (as C ₆ H ₆)	to 10 04:20 PM	<0.05	20		Below	¥3	1
	Toluene (as C ₆ H ₅ CH ₃)		<0.05	375		Below	65.5	S. CHATTARAJ

PEL - Permissible Exposure Limit.

Photo Series Author By Series Francisco

Ph.: 03224-275765

Table No. - 6

Form No. - 30

Mob. - 94340 17584

e-mail: Jayantasarkar67(agmail.com/ indicativeconsultantindia@gmail.com

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

M/s. GRAPHITE INDIA LTD.

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

RESULT OF WORK ZONE MONITORING:-

Name of the Department/Plant: LWG – 4 SHOP
 Raw materials, by-products and finished products: Particular of Sampling: - Respirable dust sampler

Name (in block letters)		BHATTACHA		ø	CHATTARAJ
Signature	8	\$		500	
Remark	Below PEL	Below	Below PEL	Below	Below
Sampling Instrument used and Reference method			See Annexure-1		
TWA Concentration as given in Factory's Act : 2 nd Schedule (mg/M³)	260	1900	6	20	375
Air Contaminants	<0.1	<0.1	<0.05	<0.05	<0.05
Date & Time of Monitoring		09.02.2023	WY 00:60	to 05:00 PM	
Identified	Methyl Álcohol (as CH ₃ OH)	Ethyl Alcohol (as C ₂ H ₅ OH)	Formic Acid (as HCOOH)	Benzene (as C ₆ H ₆)	Toluene (as C ₆ H ₅ CH ₃)
Location / Operation monitoring			LWG-4 SHOP		

PEL - Permissible Exposure Limit.



HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur - 721 602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228 M/s. GRAPHITE INDIA LTD., Dist - Paschim Bardhaman, Durgapur, PIN - 713 211, (West Bengal)

Result of Analysis:-Register Containing Particulars of Testing of Illumination Level.

Form No. - 30

Table No. - 1

Ph. - 03224, 275765 Mob. - 94340 17584

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

Name of Locations	oms	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Reference	Humination Level in Lux	Limit	Remarks	Signature	Name
EXTRUSION #1 MIXER WORKING AREA	и и					217	65	Adeasate		C
EXTRUSION #1 WEIGH WORKING AREA						123	65	Adequate		250
EXTRISION #2 14 MTB WORKING STOOP	- 11					172	65	Adequate	'	7
RC BAKING WORKING AREA		7/-				124	65	Adequate	146	Þ.
REID HAMMER BAKING-14 WORKING AREA						128	65	Adequate	, Marie	SUTRADHAR
REID HAMMER BAKING-16 WORKING AREA						132	69	Adequate		
REID HAMMER BAKING-24 (I) WORKING AREA						677	00	Adequate		
REID HAMMER BAKING-24 (II) WORKING ARFA	1					192	8 8	Adequate	40	
BAKING TUNNEL KILN WORKING AREA	\neg		13.03 2033	Distant Lan				and the second		
PITCH IMPREGNATION UNIT # 2 WORKING AREA			C707-70-C1	Meter	By Digital	384	\$9	Adequate		
PITCH IMPREGNATION UNIT # 3 WORKING AREA	7		6:00 PM			30	8 3	Adequate		(*
LWG#3 WORKING AREA	-	mumination.	9				3	amithans		
LWG#4 WORKING AREA	-		7:50 PM			103	8	Adequate		
GRAPHITE ACHESON WORKING AREA	1					143	6	Adequate		
FINISHING # 1 WORKING AREA						206	8	Adequate	2.00	
FINISHING # 2 WORKING AREA						312	59	Adequate	5 6 C	S
FINISHING # 3 WORKING AREA					<u> </u>	915	3	Adequate	包外	CHALLARA
LWG# 5 WORKING AREA					-	165	65	Adequate	5	
PITCH IMPREGNATION UNIT # 4 WORKING AREA	_					118	65	Advances		
MAINTENANCE DEPARTMENT	-									
MAIN STORE AREA	-					085	65	Adequate		
CANTEEN	-					991	65	Adequate		
NEAR MAIN GATE OF DRIVANTS	==					169	65	Adoquate		
ABORATORY	-					130	65	Adequate		
LABORATORT	ᆈ					258	65	Adequate	100	

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

FINDIA FOR INDICATINE CONSULTANT Authorized

PIN

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

Mob. — 94340 17584 e-mail: Jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

Ph- 03224-275765

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

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

Height from the floor: 1.5 M

Number Signature Name in of of person taking lattered		SUTRAD HAR	S
Signature of person taking	ample	of the second	S. The S. S.
Number of Persons	pasodya	9	m
Reference Method		d 1000	Annexare-1
Limit		Exposure Limit for	workers (8 hrs.) = 90 dB(A)
Total Time		S hos	Š
Average Reading		20	
Sound Level dB(A)	82.6	83.2 82.4 81.6	83.0 83.0 81.4 82.2 83.5
Sampling Instrument Use		Annexure-1	
Starting Time		09:40 AM Annexure- I	
Date of Monitoring		09.02.2023	
Parameter			Монцопир
Location		EXTRUSI ON #1	FLOOR
zi S		H	



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

Form No. - 30

Table No. - 2

e-mail: jayantasarkar67@gmail.com/ indicative considiantindia agmail.com

Ph.- 03224-275765 Mob. - 94340 17584

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

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

										The same of the sa		Mark Mark 1970 M
Location	on Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block letters
					80.4					Taken a	Sample	
EXTRUSI	- IS				82.4			Exposine			7 60 00 00 00 00 00 00 00 00 00 00 00 00	T. SUTRADH
WEIGH FLOOR	H Noise level R Monitoring	09.02.2023	10:20 AM	Annexare- I	82.9	82.0	8 hrs.	Limit for Industrial	Annexure-I	.6	ž	¥
		*			81.4 82.2 81.5			(8 hrs.) = 90 dB(A)			Elens S	S. CHATTAR

For, INDICATIVE CONSELTANT INDIA Authorize

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

Form No. - 30

Table No. - 3

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com Mob. - 94340 17584

Ph- 03224-275765

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

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

_											The second second second		
N St	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference	Number of Persons	Signature of person taking	Number Signature Name in of of person block taking letters
						80.6							
_						82.4						MA	Į.
Ŀ	EVTDEE					81.6						0	SUTRADH
-	0N #1	10				82.0			Exposure			3	AR
-	COOLER	Noise level	09.02.2023	11-55 AM Announce	Amount .	81.2		0 1	Limit for	A STATE OF THE STA	320		
_	LOOR	1.00			1-ameanne	82.4	02.0	o IIIS.	Industria	Annexure-1	9		
_				n.		87.8			(8 hre)				
						82.9			90 dB(A)			o mo	9)
_			\$			83.2						0000	S
-		100000000000000000000000000000000000000				81.8						5	CHALLAR AL

For, INDICATIVE CONSULTANT INDIA

Authorize Parbat

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

Form No. - 30

Table No. - 4

e-mail: jayantasarkar67@gmail.com/ Mob. - 94340 17584 indicative consultantindia agmail.com

Ph. - 03224-275765

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

Height from the floor: 1.5 M

Date of Monitoring

Parameter

Location

ž Š

09.02.2023

Noise level Monitoring

N#1 PRESS FLOOR

EXTRUSIO

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

S. CHATTAR SUTRADH Name in Distance from the Machine: 3.0 M letters block 7 The Second paremyn Signature of person taking sample Number Persons exposed ō Reference Annexure-Method Industrial (8 hrs.) = 90 dB(A) Exposure Limit for Workers Limit Total Time 8 hrs. Reading Average 80.9 Sound dB(A) Level 81.0 6.62 82.0 81.6 80.2 79.4 81.4 79.4 82.1 82.1 Sampling Instrument 12:30 PM Annexure- I Starting Time



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

e-mail : Jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com Mob. - 94340 17584 Ph- 03224-275765

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

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

Name in block letters		-	SUTRADH	AR					S.	CHALLAR
Number Signature Name in of of person taking letters	Sample	S. S	200	30	e		90.00	1 True C		£
Number of Persons	- 1				9	m				
Reference					100 may 100 ma	Annexure-	•			
Limit				Exposure	Limit for	Industrial	(R forc) =	90 dB(4)		
Total Time					20.00	S III.S.				
Average Reading					0.10	6779				
Sound Level dB(A)	82.0	82.2	81.9	82.9	81.0	81.8	82.4	81.1	81.5	82.0
Sampling Instrument Use					Annovare I					
Starting Time										
Date of Monitoring					10.02.2023 04:15 PM				7	
Parameter					Noise level	Monitoring .				
Location				EXTRUSI	PRESS	FLOOR	CONTROL OF THE PARTY OF THE PAR			
S Si					_:					



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

Form No. - 30

Table No. - 6

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

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

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

Sl. Location Parameter Monitoring Time Level Workerse Monitoring Time Livel Workerse Monitoring Time Starting Sound Average Total Limit for FLOOR Monitoring Workers Holls Workerse Monitoring Sarting Sound Amexare-1 88.9 82.0 8 hrs. Industrial Amexare- 3 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0	1	Sur nom me	reigni nom me noor : 1.5 M									Distance fr	Mach Mach	no - 2 0 M
Noise fevel 10.02.2023 04:50 PM Annexure- 82.6 8 hrs. Industrial Annexure- 80.9 81.5 82.0 8 hrs. Industrial Annexure- 3 80.9 82.6 82.6 82.0 8 hrs.		Location	Parameter	Date of Monitoring		Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block
Noise fevel 10.02.2023 04:50 PM Annexure- 1 82.9 82.0 8 hrs. Industrial Annexure- 3 82.6 8 hrs. Industrial Annexure- 3 82.6 81.4 82.6 82.6 8 hrs. Industrial Annexure- 3 82.6 82.6 82.0 8 hrs. Industrial Annexure- 3 82.6 82.6 82.0 8 hrs. Industrial Annexure- 3 82.6 82.6 82.0 8 hrs. Industrial Annexure- 3 82.6 82.6 8 hrs. Industrial Annexure- 3 82.0 8 hrs. Industrial							81.4					exposed	sample	
Noise fevel 10.02.2023 04:50 PM Annexure-1 82.9 8 hrs. Industrial Annexure- 3 80.9 8 hrs. Industrial Annexure- 3 8 hrs. Industrial			91				82.6						Y WYOU	-
Noise fevel 10.02.2023 04:50 PM Annexure- I 82.9 8 hrs. Industrial Annexure- 3 **Robin toring** **Monitoring** **Monitoring		100000000000000000000000000000000000000					81.8						200	
Noise fevel 10.02.2023 04:50 PM Annexure- I 82.9 82.0 8 hrs. Limit for Industrial Annexure- 3 Monitoring, workers I 82.9 82.0 8 hrs. Industrial Annexure- 3 80.9 80.9 (8 hrs.) = I 80.0 (8 hrs.) = I 82.6 (8 hrs.) = I 82.0 (8 hrs		EXTRUSIO					82.4			Exposure			35	
Monitoring, workers Industrial Annexure 3 workers I (8 hrs.) = 1 80.9 (8 hrs.) = 1 82.6 (8 hrs.) = 1 82.0 (8 hrs.) = 1 8	_	METED	Noise fevel		04-50 PM	4	82.9			Limit for				YY.
80.9 (8 hrs.) = 81.4 90 dB(A) 82.6 82.0	_	FLOOR	Monitoring			January 1	81.5	87.0	8 hrs.	Industrial	Annexure-	ю		
90 dB(A)	_		Ŕ			1)	80.9			Workers	,			
Scanne	_						81.4			90 dR(4)			47	G
	_			7			82.6			(V)an o			Some !	CHATTAR
	-						82.0							A1



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

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

Form No. - 30

Table No. - 7

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

Ph- 03224-275765

S. S.	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total	Limit	Reference Method	Number of Persons	Signature of person taking	Number Signature of of person Name in Persons taking block letters
						83.1					nacodea	Sample	
						81.2						E. C.	-
						82.4						5	SUTRADHA
	BAKING					83.1			Exposure			3.8	~
1.	SHOP	Noise level	09.02.2023	02:00 PM	09.02.2023 02:00 PM 4mmsvara. I	82.2	0.0	O Lear	Limit for	The second second second			
	FLOOR	Monitoring				81.6	04.1	o ms.	manstria	Annexure-1			
						82.2			(R here)			5	
			K			82.9		-	90 dB(A)			£ 5	000
						81.8						2005	Suverience
			7			808						5	CHALLARA



INDICATIVE CONSULTANT INDIA
HPL Link Road, Basudevpur, Khanjanchak
Haldia; Purba Medinipur-721602 Govt.Re

e-mail: Javantásarkar67/agmail com/

Ph. 03224-275765 Mob. - 94340 17584

J	iovt.Regn.Nc	Govt.Regn.NoL-64871; MSME Reg. No.: WB-12-0000228	ME Reg. No.:	WB-12-000	0228		Form No 30		Table No 8	∞l	indicativecos	indicativeconsultantindia@gmail.com	gmail.com
∠ ≺	esult of Ana ddress: Dist	Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal	RAPHITE rdhaman, Du	INDIA L	TD., N -713211, We	st Bengal							
I	eight from th	Height from the floor: 1.5 M									Distance fro	Distance from the Machine: 3.0 M	ne:3.0 M
S S	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block letters
						82.4					nacod va	Sample	
						81.6	_					NO COLON YOU	
	BAKING					82.2					•	200	T
	RH- 14					81.8			Exposine			525	AR
-	SECTIO	Noise Ievel	09.02.2023	01-00 PM	4	82.0			Limit for	CONTRACTOR OF THE PARTY OF THE	()		W
	SHOP	Monitoring			Anne Anne - I	81.6	6.79	o nrs.	Industrial	Annexure-	10		
	FLOOR					82.2			(8 hrs.) -	,		8	
						82.7			90 48(4)			4	ý
						81.7	_					3	CHATTAR
			7			80.8	-					3	₹



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

Form No. - 30

Table No. - 9

e-mail: jayantdsarkar67@gmail.com/ indicative consultantindia@gmail.com

Ph. - 03224-275765 Mob. - 94340 17584

M 0 E - enii	Name in block letters	T. SUTRADHA R CHARYA	S. CHATTARAJ
Distance from the Machine : 3.0 M	Signature of person taking	Cuty and 1	Sometime
Distance fr	Number of Persons exposed	m	
	Reference Method	Annexure-1	
	Limit	Exposure Limit for Industrial workers	(8 ms.) = 90 dB(A)
	Total Time	8 hrs.	
122	Average Reading	82.2	
st Bengal	Sound Level dB(A)	82.4 81.6 82.3 82.0 81.9 82.4	82.4
TD., \-713211, We	Sampling Instrument Use	Annexure-1	
INDIA L	Starting Time	02:35 PM	
RAPHITE dhaman, Du	Date of Monitoring	09.02.2023	,
Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist – Paschim Bardhaman, Durgapur, PIN-713211, West Bengal Height from the floor: 1.5 M	Parameter	Noise level Monitoring	
ult of Analy Iress: Dist- ght from the	Location	BAKING RH- 16 SHOP FLOOR	
Res Ado Heij	Β̈́S	_:	



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. - 10

e-mail: jayanlasarkar67@gmail.com/ indicative consultantindia agmail.com

Ph. 03224-275765 Mob. - 94340 17584

APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Instrument Use dB(A) Monitoring Time Use dB(A) 82.4 82.4 Bist	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Instrument Level Monitoring Time Average Total Limit Method Persons taking sample 82.4 82.4 82.4 82.4 82.4 82.4	INDIA LTD., urgapur, PIN -713211, West Bengal Starting Sampling Sound Average Total Limit Reference of Of person taking Lime Use AB(A) 82.4 81.8 80.8 Exposure	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Instrument Level Reading Time Use AB(A) Reading Time Use B2.4 Reading Time Use B2.4 Reading Time Exposure Reference of Starting Average Total Signature of Si	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Instrument Use BEAGING Time Time Use BEAGING Time BEAGI	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Sampling Sound Average Total Limit Nethod Persons taking by 1.2 monitoring Time Use 82.4 82.4 82.6 82.6 82.7 82.0 82.0 82.7 82.0 82.7 82.0 82.7 82.0 82.7 82.0 82.7 82.0	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Instrument Level Reading Time Ose ample Sampling Sound Average Time Limit Method Persons taking Limit for Sample Sampl	APHITE INDIA LTD., dhaman, Durgapur, PIN -713211, West Bengal Date of Starting Sampling Sound Average Total Limit Method Persons ample Sund Average Time Use dB(A) Reading Time Reference Of Of persons ample Sund Sund Sund Sund Sund Sund Sund Sund	sis: M/s.	THE PERSON NAMED IN	INDIAL	TD., N-713211, We	est Bengal							
Date of Starting Instrument Level Average Total Limit Method Persons taking sample 82.4	Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4 81.8 Sound Average Total Limit Reference of of person taking sample sampl	Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4 81.6 80.8 Exposure	Date of Starting Sampling Sound Average Total Limit Reference of Of person taking Limit Method Persons taking sample 82.4 82.4 82.4 82.4 82.8 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 83.0	Date of Monitoring Time Starting Instrument Use Sampling Sound Average Total Use Total Time Use Time Use Average AB(A) Total Time Use Limit for Industries Reference of Persons taking sample samp	Date of Starting Starting Instrument Use Sampling Sound Average Total Instrument Use Total Average Ability Total Instrument Use Time Use Average Ability Total Instrument Of Berson Signature Of Of Persons Instrument Of Of Persons Instrument Of Of Decision Signature Of Of Persons Instrument Of Of Decision Signature Of Of Decision Of Decis	Date of Starting Instrument Use Starting Instrument Use Sound Average AB(A) Average Reading Time Total Limit Limit for Instrument Of Of Dersons Distance from the Machine Of Of Derson Of Of Dersons Monitoring Time Use 1	Date of Starting Sampling Sound Average Total Limit Reference of Signature Sample Sound Average Total Limit Method Persons taking sample 82.4 82.4 82.4 82.4 82.4 82.6 82.0 82.0 82.0 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.8 82.0	-	GKAPHIII Bardhaman, D	urgapur, PI									
Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4	Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4 81.8 Sound Average Total Limit Reference of of person taking sample exposed sample caposed cap	Date of Starting Instrument Level Reading Time Method Persons taking Limit Method Persons taking Sample 82.4 81.6 80.8 Exposure	Date of Starting Instrument Level Reading Time Method Persons taking Use 4B(A) 82.4 Reading Time Limit Reference of of person taking sample s	Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4 82.4 82.4 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.0 8	Date of Starting Instrument Level Reading Time Limit Method Persons taking sample 82.4 82.4 82.4 82.4 82.8 82.8 82.8 82.8 82.8 82.0 99.02.2023 93.05 PM Annexure- 1 82.0 82.0 82.7 84.8 82.0 82.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.8 64.8	Date of Starting Instrument Level Reading Time Limit Method Persons taking Limit or 1 Number Signature of Of person of Of person Standing Sound Average Time Limit or Signature St.4 St.8 St.7 Str.5 Industria Annexure- St.6 St.7 St.5 Str.5 St	Date of Monitoring Time Starting Instrument Use Sound Average AB(A) Average Reading Time Total Limit Limit for Number Number of Of Dersons (alking berson sample of Of Dersons (alking berson sample sample sample sample sample sample (alking berson sample sam	_	.5 M								Distance f	rom the Mac	nine: 3.0
	womby!	Exposure	82.4 81.8 80.8 Exposure Limit for 82.0	82.4 81.6 81.8 80.8 Limit for Limit for S2.0 81.7 8 hrs. Industrie 3	82.4 81.6 81.8 80.8 Limit for Limit for S2.0 81.7 81.7 8 hrs. Industria Annexure- 1 82.0 81.7 8 hrs. Industria Annexure- 3 (Northers of Northers of No	82.4 81.6 81.8 80.8 1.1 82.0 81.7 8 hrs. Industria Annexure- 3 1.000.02.2023 03:05 PM Annexure- 1 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0	92.4 81.6 81.8 80.8 14.8 82.0 81.7 8 hrs. Industria Annexure- 1 82.0 81.7 8 hrs. Industria Annexure- 3 (8 hrs.) = 1 82.0 81.8 82.0 82.1	<u> </u>			Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letter
	4000	Exposure	80.8 Exposure Limit for 82.0 81.7 8 Limit for	80.8 Limit for Limit for 82.0 81.7 8 hrs. Industria Annexure- 3	1 1 2 3 3 3 3 3 4 4 4 4 4	Su.8 Exposure Su.8 Exposure Su.8 Exposure Su.8 Exposure Su.8 Su.7 Su.7 Su.7 Su.7 Su.7 Su.7 Su.8 Su.7 Su.8	81.8 Exposure 80.8 Exposure 1.1mit for 1.1mit					82.4						- WAR	, }



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

Form No. - 30

Table No. - 11

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

Mob. - 94340 17584

Ph.- 03224-275765

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

v				Sampling	Sound					Number	Sionature	Number Signature
Location	1 Parameter	Monitoring	Starting	Instrument Use	Level dB(A)	Average Reading	Total Time	Limit	Reference Method	of	of person taking	Name in block letters
					82.0					nasndva	sambie	
					81.6						1 mg	7
					82.5							
BAKING	220				81.6			Exposime			525m	SUTRADHA
(I)	Noise level	09.02.2023 04:10 PM	04:10 PM	Annovaro. I	80.9	7.10	0.400	Limit for	1-7000000000000000000000000000000000000)	4
	_			1 -3 (1)	80.8	0.70	o nrs-	Industria	Annexure-	m		
					81.3			/S lord			20000	
					82.2			90 dR(A)			1 m	
		7			81.0						(4)	y.
					010						5	CHATTABAL



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

Ph. 03224-275765 Mob. - 94340 17584

e-mail: Jayantasarkar67@gmail.com/ S. CHATTAR AJ indicativeconsultantindia@gmail.com T. SUTRADH Distance from the Machine: 3.0 M Name in letters block AR Some Signature of person taking sample Persons Number pasodxa Reference Annexure-Table No. - 12 (8 hrs.) = 90 dB(A) Limit for Industria Exposure I workers Limit Total Time 8 hrs. Form No. - 30 Average 82.2 Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Level dB(A) Sound 82.3 82.4 81.5 82.8 81.9 81.4 82.0 82.6 82.3 Sampling Instrument Annexure- I Result of Analysis: M/s. GRAPHITE INDIA LTD., 03:40 PM Starting Time Monitoring 09.02.2023 Date of Height from the floor: 1.5 M Noise Jevel Monitoring Parameter Location BAKING KILN

HPL Link Road, Basudevpur, Khanjanchak

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

Form No. - 30

Table No. - 13

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

Ph. 03224-275765

Mob. - 94340 17584

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

St. No Lo	•											The second secon	TAIL OUT
4	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block
						83.5					exposed	sample	enens.
_						81.8						1	7
-						82.4					8	いる。ひと	SITTRAD
2	PDEC					82.9			Exposure			35,86	HAR
Z	NATION	Noise level	09.02.2023 04:40 PM	04:40 PM	Annexane. I	82.3			Limit for				
S	IT#2	Monitoring				83.4	7.70	o III.S.	Industrial	Annexure-1	3		
S	НОР					82.5			Workers				
						83.0			90 dB(A)			Jan Charles	
_						82.8			Account of				S.
		The Part of the Pa				810						2	CHATTA



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

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

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

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

Form No. - 30

Table No. - 14

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

DIN III	Sign. of pe tak sam	Surve
CISIAINCE HOILI INC	Number of Persons exposed	
	Reference Method	
	Limit	Exposure Limit for
	Total Time	
۰		

For, INDICATIVE CONSULTANT INDIA



T. SUTRAD HAR Name in Machine: 3.0 M S. CHATTA RAJ letters block afure erson Sombly (Sur ding ple Annexure-1 Industria (8 las.) = 90 dB(A) I workers refillers. 8 hrs. Average Reading 82.2 dB(A) Sound Level 82.4 83.0 82.2 81.6 82.1 82.4 87.8 82.0 Sampling Instrument 05:10 PM Annexure- I Use Starting Time Monitoring 09.02.2023 Date of Noise level Monitoring Height from the floor: 1.5 M Parameter Location IMPREGN UNIT#3 ATHON PITCH S S

HPL Link Road, Basudevpur, Khanjanchak

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

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

Z S

-

Form No. - 30

Table No. - 15

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia agmail.com

Ph. 03224-275765 Mob. - 94340 17584

S. CHATTAR T. SUTRADH Distance from the Machine: 3.0 M Name in letters block S.P.C. San San S compt Signature of person taking sample Number Persons exposed Annexure-Method Industria (8 hrs.) = 90 dB(A) Exposine / workers Limit for Limit Total 8 hrs. Average Reading 81.7 Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Level dB(A) Sound 83.0 80.6 81.4 81.6 82.4 81.9 82.0 81.8 81.1 Annexure- 1 Instrument Sampling 09:35 AM Starting Monitoring 10.02.2023 Date of Height from the floor: 1.5 M Parameter Noise level Monitoring PITCH IMPREG NATION UNIT#4 Location



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

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

Form No. - 30

Table No. - 16

e-mail; jayantasarkar67(a)gmail.com/ indicative consultantindia@gmail.com

Mob. - 94340 17584

Ph-03224-275765

ış ş	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Number Signature of of person Name in Persons taking block letters
-						81.9					pasodya	samble	
_						82.4		2,				W.V.	-
_						82.6					9.00	3	-
-						82.9			Exposure			£ 2	SUIKADHA
	LWG#3	Noise level	10.02.2023	10.02.2023 10:10 AM American	dimension I	80.9	0.00	- W-1-02-	Limit for				•
_	SHOP	Monitoring			T-SINCYRIC- I	87.6	070	8 nrs.	Industrial	Annexure-	E)		
_						82.0			Workers	,			
_		EQ.				82.6			90 dR/A1				
_						81.1			Colombia de			C. C	S
4						823						13	CHATTARAI

For INDICATIVE CONNECTANT INDIA

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

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

Ph. - 03224-275765 Mab. - 94340 17584

S. CHATTAR J e-mail: Jayantasarkar67@gmail.com/ indicative consultantindia@gmail.com Distance from the Machine: 3.0 M SUTRADH Name in letters block (Juny) Signature Lapour! of person taking sample Scort Number Persons exposed 90 Reference Annexure-Method Table No. - 17 Industria (8 hrs.) = 90 dB(A)I workers Exposure Limit for Limit Time Total 8 hrs. Form No. - 30 Reading Average 82.6 Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Sound dB(A) 81.9 81.7 83.6 82.6 82.0 82.0 82.9 83.0 83.8 Instrument 10:40 AM Annexure- I Sampling Use Result of Analysis: M/s. GRAPHITE INDIA LTD., Starting Time Date of Monitoring 10.02.2023 Height from the floor: 1.5 M Noise level Monitoring Parameter LWG #4 Location

_:



HPL Link Road, Basudevpur, Khanjanchak

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

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

Table No. - 18

Ph. 03224-275765 Mob. - 94340 17584

e-mail: jayantásarkar67/@gmail.com/ indicativeconsultantindia@gmail.com Form No. - 30



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

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

Form No. - 30

Table No. - 19

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

Ph- 03224-275765 Mob. - 94340 17584

													THE OWN AND ADDRESS OF THE PARTY OF THE PART
No Lo	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block letters
						81.6						audimos	
						82.4						3	F
-						82.9						3	SUTRADH
_						82.0			Exposure			J. J. W.	AR
1. LV	LWG#5	Noise level	10.02.2023	11-50 AM	dimeyore. I	81.1	7 10		Limit for		37	· ·	
_	НОР	Monitoring			June State - 1	80.9	0.10	& nrs.	Industria	Annexure-	Е		
						80.6			(8 hre)				
						80.9			90 dB(4)			4	
_						87.9						Carried S	S. S.
4			*			82.0						3	AVIIVE.



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

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

Form No. - 30

Table No. - 20

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

Ph. 03224-275765 Mob. - 94340 17584

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

Parameter Date of Starting Instrument Level Reading Time Use dB(A) Reading Time Use dB(A) Reading Time Hethod Use dB(A) Reading Time Distrument Level Reading Time Time Method ### ### ### #### ##### #############													THE COLD STREET, SALES STREET,
Noise level 10.02.2023 12:25 PM Annexure-1 82.0 8 hrs. Industrial Annexure- 10.02.2023 Industrial Annexure- 10.02.2023 Industrial Industrial	Location	_	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons	Signature of person taking	Name in block letters
Noise level 10.02.2023 12:25 PM Annexure-1 82.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial						82.0					cybosed	Sampie	
Noise level 10.02.2023 12:25 PM Annexure- I 83.0 8 hrs. Industrial sorkers 82.0 8 hrs. Industrial sorkers 82.0 8 hrs. Industrial sorkers 82.0 90 dB(A)						81.4						2	
Noise level 10.02.2023 12:25 PM Annexure-1 83.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial workers 90 dB(A)						81.9						きがい	
Noise level 10.02.2023 12:25 PM Annexure- I 82.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial workers 82.0 8 hrs. Industrial workers 82.0 90 dB(A)	NIIIS					82.1			Exposure			Z	AR
	dOH,	Noise level	_	12.25 PM	Annual L	83.0	0.00	2000	Limit for		8		
81.6	OR	Monitoring	_		I - Supremuc	82.4	0.79	S HIS	Industrial	Annexure-	3		
						9.18			Workers (8 fere 1	,			
						82.0			90 (864)				y
87.9						81.9			fred man				CHATTAR





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

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

e-mail: jayandasarkar67@gmail.com/

Ph. 03224-275765 Mob. - 94340 17584

indicativeconsultantindia@gmail.com Distance from the Machine: 3.0 M SUTRADH CHATTAR Name in letters block Signature of person 1 curson Somith Man taking sample Number Persons exposed Reference Method Annexure-Table No. - 21 Industrial Exposure Limit for (8 hrs.) = workers Limit Total Time 8 hrs. Form No. - 30 Average Reading 81.9 Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal Level Sound dB(A) 81.6 82.4 81.9 82.0 81.4 82.6 82.4 82.0 Sampling Instrument Use Annexure- I Result of Analysis: M/s. GRAPHITE INDIA LTD., 01:05 PM Starting Time Date of Monitoring 10.02.2023 Noise level Monitoring Height from the floor: 1.5 M Parameter Location FINISIIIN G #2 SHOP FLOOR

No St

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

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

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

Height from the floor: 1.5 M

S. S.

-

Form No. - 30

Table No. - 22

e-mail: jayanfasarkar67@gmail.com/ Indicative consultantindia a gmail.com

Ph-03224-275765 94340 17584

Mob.

Number Persons pasodxa 90 Reference Method Limit

letters block

AR

S. CHATTAR AJ T. SUTRADII Distance from the Machine: 3.0 M Name in Jours) 6 Signature of person taking sample Annexure-Industrial (8 hrs.) = 90 dB(A)Exposure Limit for Workers Time Total 8 hrs. Reading Average 81.0 dB(A) Sound Level 81.4 80.8 81.0 79.9 81.6 80.2 81.1 82.3 Sampling Instrument Annexure- 1 Use 01:50 PM Starting Time Date of Monitoring 10.02.2023 Noise level Moniforing Parameter Location FINISHIN #3 SHOP FLOOR

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81.4



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

Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN-713211, West Bengal Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. -30

Table No. - 23

e-mail: jayantasarkar67@gmail.com/ indicative consultantindia agmail.com

Mob. 94340 17584

Ph. 03224-275765

Number Signature Name in of of person block taking letters	Indem Ver T. SUTRAD	St. S. CHATTA
Number Signi of of pe Persons tak	1	the second
Reference Method	Annexure-	,
Cimit	Exposure Limit for Industria	(8 hrs.) = 90 dB(A)
Total	8 hrs.	
Average Reading	80.0	
Sound Level dB(A)	79.6 82.1 79.9 78.8	78.4
Sampling Instrument Use	Annexare-1	
Starting Time	02:20 PM	
Date of Monitoring	10.02.2023 02:20 PM	
Parameter	Noise level Maniforing	9
Location	GRAPHIT E ACHESON	TO HE
zi S	4	

INDICATIVE CONSULTANT INDIA HPL Link Road, Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0

Ph. - 03224-275765 Mob. - 94340 17584

agmail.com/ agmail.com		nine: 3.0 M	Name in block letters	T. SUTRADHA R. R. CHATTARAJ
e-mail : jayantasarkar67(agmail.com/ indicativeconsultantindia@gmail.com		Distance from the Machine: 3.0 M	Signature of person taking	Standard The S
e-mail: jæ) indicativece		Distance fr	Number of Persons exposed	
-24			Reference Method	Annexure- 1
Table No 24			Limit	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)
-30			Total Time	8 hrs.
Form No 30	25		Average Reading	87.9
	st Bengal		Sound Level dB(A)	80.6 81.9 82.0 81.8 83.1 82.9 82.2 80.6 81.5
3228	Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN-713211, West Bengal		Sampling Instrument Use	Annexure-1
WB-12-0000	INDIA L'		Starting Time	02:55 PM
Govt.Regn.NoL-64871; MSME Reg. No.: WB-12-0000228	Result of Analysis: M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713		Date of Monitoring	10.02.2023
-64871; MSN	is: M/s. GR Paschim Bar	Height from the floor: 1.5 M	Parameter	Noise level Monitoring
r.Regn.NoI	ult of Analys Iress: Dist-	ght from the	Location	GRAPHITE FINES SCREENIN G SHOP
Gor	Res	Hei	Ζ̈́S	

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

Register Containing Particulars of Testing of Ventilation Condition of M/s. GRAPHITE INDIA LTD.,

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

Name of Department/Plant: EXTRUSION #1MIXER FLOOR

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mbient Temperature	Dry Bulb	Wet Bulb
On 13.02.2023	28.0°C	24,0°C

Name	A BHAITA	CHARYA	S CHATTA RAJ
Signature	3		de de la composición dela composición de la composición dela composición dela composición dela composición de la composición dela comp
Remarks	Adequate	Adequate	Adequate
Reference Method		Amexwe-1	
Limit	Vol. of Air change fir >6 x Vol. Of	30 m/min at work place at 1.5 M height	Wer Bulb less than 30° C
Dry/Wet bulb Temperature at work place			Dry Wet Bulb Bulb 32.0°C 28.0°C
Dry/N Tempe work			Dry Bulb 32.0°C
Velocity of Air	,	30 m/min- at the entrance gate 36 m/min -	the plant
Volume of Air change/Hr	21870.22 m³	i	
Volume of Work Place X 6	1712.9 m ³ x 6 = 10,277.4 m ³	Si .	9
Sampling Instrument Used		Annexure- !	
Date & Time of Monitoring		13.02.2023 02:05 PM to	04:00 PM
Parameter	Volume of Air change	Velocity of Air at work place	Temperature at work place
Location	Inside Work Place	Inside Work Place	Inside Work Place At middle of the plant
SI.	-4	7	.3

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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: EXTRUSION #2 PRESS FLOOR

Ambient Temperature	Dry Bulb	Wet Bulb
On 13.02.2023	27.0°C	24.0°C

Table No. - 2

Name	ABHATTA	CHARTA	S CHATTA RAJ
Remarks Signature	8		Spark
Remarks	Adequate	Adequate	Adequate
Reference Method		Amexure- J	
Limit	Vol. of Air change/hr >6x Vol. Of work place	30 m/min at work place at 1.5 M height	Wer Bulb less than
Dry/Wet bulb Temperature at work place			Wet Bulb 23.0°C
Dry/W Temper work			Dry Wet Bulb Bulb 26.0°C 23.0°C
Velocity of Air	(•)	42 m/min — at middle of the plant	(,0)
Volume of Air change/Hr	825147.77 m³	8¥	9
Volume of Work Place X 6	18048.6 m³x 6 = 1,08,291.6 m³	88	11
Sampling Instrument Used		Annexure-1	*
Date & Time of Monitoring	13.02.2023	10:15 AM	to 12:15 PM
Parameter	Volume of Air change	Velocity of Air at work place	Temperature at work place
Location	Inside Work Place	Inside Work Place	Inside Work Place At middle of the plant
No St	=	6	ri



Author

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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

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

On 09 Ambient ' Name of Department/Plant: BAKING RH - 16 SHOP FLOOR

	3	
Temperature	Dry Bulb	Wet Bulb
9.02.2023	31.0°C	27.0°C

Table No. - 3

				_		
Name	BIATTA	CHARTA			S. CHATTA	2
Signature	(M)				Some	
Remarks	Adequate	Adequate	Adequate	Adequate	Adomento	Junkhunc
Reference Method			Annexure- 1			
Limit	Vol. of Air change/hr >6x Vol. Of work place		30 m/min at work place at 1.5 M height		Wet Bulb less than	30° C
Dry/Wet bulb Femperature at work place			50		Wet Bulb	34.0°C 29.0°C
Dry/M Temper work					Dry Bulb	34.0°C
Velocity of Air		48 mémin – at LHS of furnace	36 m/min – at RHS of furnace	42 m/min- at the midelle		•
Volume of Air change/Hr	353710.05 m³		6			
Volume of Work Place X 6	46832.32 m³ X 6 = 2.80,993.92 m³		9			
Sampling Instrument Used			Annexure-1	,		
Date & Time of Monitoring		09.02.2023	02:00 PM	10 04:00 PM		
Parameter	Volume of Air change	9	Velocity of Air at work place		Temperature at work	place
Location	Inside Work Place	8	Inside Work Place		Inside Work Place At	middle of the plant
S. S.			6		m	

Partition Authorization Author

Table No. - 4

Register Containing Particulars of Testing of Ventilation Condition of M/s. GRAPHITE INDIA LTD., HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602 INDICATIVE CONSULTANT INDIA

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

Name of Department/Plant: PITCH IMPREGNATION UNIT # 3

dura marin	Dry Bulb	Wet Bull
On 11.02,2023	30.0°C	26.0°C

Name	АВИАТТА	CHARYA			S CHATTA RAJ
Signature	٨				
Remarks	Adequate	Adequate	Adequate	Adequate	Adequate Sombh
Reference Method			Annexure-1		
Limit	Vol. of Air change/Iv >6 x Vol. Of work place		30 m/min at work place at 1.5 M height	8	Wet Bulb less than 3G C
Dry/Wet bulb Femperature at work place	26				Wet Bulb
Dry/W Temper work			.92		Dry Wet Bulb Bulb 32.0°C 28.0°C
Velocity of Air	ā	48 m/min – at Entrance Gate	36 nvimin – at Middle	42 m/min – at Back side Gate	
Volume of Air change/Hr	90425.17 m ³		Đ		
Volume of Work Place X 6	9,853.56 m ³ X 6 = 59,121.36 m ³		/06% ₌		
Sampling Instrument Used			Annexure-1	,	
Date & Time of Monitoring		11.02.2023	11:00 AM	to 12:50 PM	
Parameter	Volume of Air change		Velocity of Air at work place		Temperature at work place
Location	Inside Work Place	17	Inside Work Place		Inside Work Place At middle of the plant
ij &			71		е;

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Register Containing Particulars of Testing of Ventilation Condition of M/s. GRAPHITE INDIA LTD., Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602

Name of Department/Plant: LWG # 3

Ambient Temperature	Dry Bulb	Wet Bulb
On 10.02.2023	28.0°C	24.0°C

Table No. - 5

Name	A. BIRATTA	CHARYA			SCHATTA	Ş
Signature	ව				South Bank	
Remarks	Adequate	Adequate	Adequate	Adequate	Adeanate	
Reference Method			Amexine-1			
Limit	Vol. of Air change/hr >6 x Vol. Of work place		30 m/min at work place at 1.5 M height		Wet Bulb less than	30, €
Dry/Wet bulb Temperature at work place	10		544		Wet Bulb	33.0°C 29.0°C
Dry/N Tempe work					Dry Bulb	33.0°C
Velocity of Air	,	42 nv/min – at entrance of 1" Gate	42 m/min – at entrance of 2 rd Gate	36 m/min - at middle	34	
Volume of Air change/Hr	1622025.14 m ³		9.		,	
Volume of Work Place X 6	58176 m³ x 6 = 3,49,056 m³		3 .			
Sampling Instrument Used			Armexiare- 1	*		
Date & Time of Monitoring		10.02.2023	10:05 AM to	12:05 PM		
Parameter	Volume of Air change		Velocity of Air at work place		Temperature at work	piace
Location	Inside Work Place		Inside Work Place		Inside Work Place At	the plant
No St.			۲,		ri	



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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: FINISHING # 1

mbient Temperature	Dry Bulb	Wet Bulb
On 09.02.2023	29.0°C	26.0°C

Table No. - 6

Name	A. BIIATTA	CHARYA		S. CHATTA RVJ	0
Remarks Signature	8	,		Far So	
Remarks	Adequate	Adequate	Adequate	Ademote	
Reference Method			Annexure- I		
Umit	Vol. of Air change/hr >6 x Vol. Of work place	30 m/min at	work piace at 1.5 M height	Wet Bulb less than	30°C
Dry/Wet bulb Temp. at work place				Wet Bulb	27.0°C 24.0"C
Dry/M Temp.				Dry Bulb	27.0°C
Velocity of Air		30 m/min- at Gate	36 m/min- at Middle of the Plant	,	
Volume of Air change/Hr	162045.11 m ³				
Volume of Work Place X 6	12522.4 m³ × 6 = 75,134.4 m³			,	
Sampling Instrument Used			Annexure-1	;	
Date & Time of Monitoring	09.02.2023	10-20 AM	to 12:20 PM		
Parameter	Volume of Air change	Velocity of	place	Temperature at work	piace
Location	Inside Work Place	Inside	Place	Inside Work Place At	the plant
No St.	<u>=</u>	2		· რ	

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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

nbient lemperature	Dry Bulb	Wet Bull
On 10.02.2023	30.0°C	27.0°C

Table No. - 7

Name	A N	HARYA			S.	RAJ
Signature	8				76	5
Remarks	Adequate	Adequate	Adequate	Adequate	Ademote	
Reference			Annexure- 1 Adequate			
Limit	Vol. of Air change/hr >6x Vol. Of		30 m/min at work place at 1.5 M height		Wet Bulb	30" C
Dry/Wet bulb Temp. at work			•		Wet Bulb	26.0°C
Dry/N Temp.			6// 		Dry Bulb	29.0°C 26.0°C
Velocity of Air		30 minin – at entrance of 1" Gate	42 minuin – at enerance of Z ^{ad} Gate	48 m/min- at the middle	0	
Volume of Air	172145.11 m³				*	
Volume of Work Place X 6	24597.54 m ³ X 6 = 1,47,585,24 m ³		3			
Sampling Instrumen t Used			Annexure-1			
Date & Time of Monitoring	10.02.2023	02:05 PM to 04:05 PM				
Parameter	Volume of Air change		Velocity of Air at work place		Temperature at work	biacc
Location	Inside Work Place	į	Work Place		Inside Work Place At	the plant
St.			2		eń	

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

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

Name of Department/Plant: R.H. # 24 (II)

mbient Temperature	Dry Bulb	Wet Bulb
On 14.02.2023	27.0°C	23.0°C

Table No. - 8

Name	A. BHATTA	CHARYA			-	s	CHATTA	
Signature	8	,		1		£((S	
Remarks	Adequate	Adequate	Adequate	Adequate	Adequate	Adequate	1	Anachanie
Reference Method				Annexure-1				
Cimit	Vol of Air change Iv >6 x Vol. Of work place			30 nomin at work place at 1.5 M height			Wet Balb	30,00
Dry/Wet bulb Femperature at work place				3.00			Wet Bulb	29.0°C
Dry/V Tempe worl							Dry Bulb	33.0°C
Velocity of Air	•	36 month - East Side of the Furnace	42 m/min – West Side of the Furnace	42 mentin East Side of the Shed	36 minin West Side of the Shed	30 minin - Middle of the Shed		
Volume of Air change/Hr	756625.11 m³			31				
Volume of Work Place X 6	98,344.81 m ³ X 6 = 5,90,068.86 m ³			*				
Sampling Instrument Used				Annexure- 1				
Date & Time of Monitoring			-	14.02.2023	10:00 AM to 11:50 AM			
Parameter	Volume of Air change			Velocity of Air at work place			Temperature at work	place
Location	Inside Work Place			Inside Work Place			Inside Work Place At	middle of the plant
zi &				-13			3.	

For INDICATIVE CONSULTANT INDIA

Purhan Certai Authorized Signatory

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ANNEXURE - 1

- 1. RAW MATERIAL Calcined Petroleum Coke (CPC), Binder Pitch, Extrusion Oil
- 2. PRODUCT Graphite Electrode & Nipple
- 3. BY PRODUCT Graphite Fines

4. METHOD OF ANALYSIS:

- Respirable Particulate Matter (RPM):
 Method of air sampling and analysis as per 1S: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)
- iii) Sulphur Dioxide (SO2): As per IS:5182 (Part II): 2001 (RA 2017)
- iv) Oxides of Nitrogen (NO2): As per IS:5182 (Part VI): 2006 (RA 2017)
- v) By Digital Lux Meter measurement was done as per IS:3646(Part 1): 1992 (RA 2018)
- vi) Code of practice for industrial ventilation as per 15 3103: 1975 (RA 2018)
- vii) Code of practice for natural ventilation of residential buildings as per 1S 3362: 1977 (RA 2018)
- viii) Noise level measurement was done as per IS 4758:1968 (RA 2017)
- ix) Factories Act, 1948

5. INSTRUMENTS USED:

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

- Respirable Dust Sampler with Gaseous Attachment
- ii) UV-Vis Double Beam Spectrophotometer.
- iii) Electronic Digital Balance
- iv) Hot Air Oven
- v) Desiccator
- vi) Digital Lux Meter
- vii) Digital Noise Level Meter
- viii) Hygrometer/Dry Bulb-Wet Bulb Temperature Indicator Meter
- ix) Digital Anemometer
- x) Measuring Tape

Jan .









EMAIL:indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

(GOVT. REGISTERED TEST HOUSE)

Date: 13.02.2023		Report No: ICI/HL/W/RN-212/2023	Format No: ICI/FM/H/67					
Customer Name :		M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-212			
Address	:	Durgapur - 713211, Dist Paschim Bardhaman, West Bengal,			02.02.2023			
#Customer Representative Name & Contact Number		M. C. P. Di I.	Sampling Time	:	11:00 AM			
		Mr. C. P. Dhanuka	Analysis Start Date	:	04.02.2023			
		Mob. No +91-9332039296	Analysis complete Date	:	11.02.2023			
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023						
#Sample Description	:	EFFLUENT						
Sample Condition	:	In Plastic Bottle & Glass Bottle						
Sampling Method	1:	IS:3025 (Part I): 1987 (RA 2019), APHA 23	srded 2017					
#Location	:		COLLECTED TREATED WATER FROM COMMON WASTE WATER RECYCLING UNIT OF OUTFALL LWG # 4 & OLD WEIGH BRIDGE					
Material/ Test Specification	:	Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part A: Effluents; The Environment (Protection) Rules, 1986						

SI.	Parameters	Unit	Result	for Discharge of	eneral Standards f Environmental : A: Effluents**	Method Followed
No.	173,000 (100,000)	Æ		Inland Surface Water	Public Sewers	
1.	pH (at 20 ⁸ C)		7.35	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	29.0	100 mg/L (max)	600 mg/L (max)	1S:3025 (Part-17): 1984: RA 2017, APHA 23rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	46.7	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	8.17	30 mg/L (max)	350 mg/L (max)	18:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	2.7	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

Prate By Walanda

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi (Quality Manager) Signatory Authority

Parbati Golui

Quality Manager

INDICATIVE CONSULTATI INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note: 1

- # Information provided by customer
- 2. Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N.A.
- 4. Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- 6. The reproduction of the report except in full is invalid without written approval of the laboratory
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- 9. Location of Testing: Haldia Laboratory

	Page 1 of
End of Report	

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









(GOVT. REGISTERED TEST HOUSE)

TEST REPORT

Date: 13.02.2023 Customer Name		Report No: ICI/HL/W/RN-213/2023	Format No: ICI/FM/H/67						
		M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-213				
Address	Durgapur - 713211, Dist. – PaschimBardhaman, West Bengal,			Sampling Date :					
#Customer Representative Name & Contact Number		M. C. P. Dissala	Sampling Time	:	11:15 AM				
		Mr. C. P. Dhanuka	Analysis Start Date	:	04.02.2023				
		Mob. No +91-9332039296	Analysis complete Date	:	11.02,2023				
#Work Order No.	:	DOM/4500287592 Dtd. 05.01.2023							
#Sample Description	:	EFFLUENT							
Sample Condition	:	In Plastic Bottle & Glass Bottle							
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 2311	ed 2017						
#Location	:		COLLECTED UNTREATED WATER FROM COMMON WASTE WATER RECYCLING UNIT OF OUTFALL LWG # 4 & OLD WEIGH BRIDGE						
Material/ Test Specification	:	Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part A: Effluents; The Environment (Protection) Rules, 1986							

SI.	Parameters	Unit	Result	for Discharge of	eneral Standards Environmental A: Effluents**	Method Followed
No.				Inland Surface Water	Public Sewers	
1.	pH (at 20°C)	-	6.86	5.5-9.0	5.5-9.0	1S:3025(Part-11):1983: RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	51.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	112.1	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	20.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	4.2	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Nimondalia

Checked By: A. F

Parbat (Quality Manager) Signatory Authority

Parbati Golui

Quality Manager INDICATIVE CONSULTANT INDIA.

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

Note:

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N.A.
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- Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report	•











EMAIL:indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

(GOVT. REGISTERED TEST HOUSE)

Date: 13.02.2023 Customer Name		Report No: ICI/HL/W/RN-210/2023	Format No: ICI/FM/H/67				
		M/s. GRAPHITE INDIA LTD.	Sample ID No		2023/W-210		
Address : Durgapur - 713211, Dist. – Paschim Bardhaman, West Bengal,		Sampling Date	:	02.02.2023			
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	:	11:45 AM		
Name & Contact Number	:	Mob. No +91-9332039296	Analysis Start Date	:	04.02.2023		
rame & contact rumber		14100.140 +91-9332039290	Analysis complete Date	1	11.02.2023		
#Work Order No.	;	DOM/4500287592 Dtd. 05.01.2023					
#Sample Description	:	EFFLUENT					
Sample Condition	:	In Plastic Bottle & Glass Bottle					
Sampling Method	:	: IS:3025 (Part I): 1987 (RA 2019), APHA 23rded 2017					
#Location	:	EXTRUSION # 2 ETP INLET					

SI. No.	Parameters	Unit	Result	Method Followed
t.	pH (at 20°C)		6.63	IS:3025(Part-11):1983 : RA 2017, APHA 23 rd Edition 4500-H' B
2.	Total Suspended Solid (TSS)	mg/L	144.0	1S:3025 (Part-17): 1984 : RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	934.4	APHA 23rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	505.0	1S:3025 (Part-44): 1993 : RA 2019,
5.	Oil and Grease	mg/L	8.1	IS 3025 (Part-39): 1991 RA 2019, APHA 23 rd Edition 5520B,
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	1.31	APHA 23 rd Edition 5530 C
7.	Sulfate (as SO ₄)	mg/L	42.5	IS 3025(Part-24), 1986: RA 2019 APHA 23 rd Edition 4500 SO ₄ ² : E

Preparational

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui (Quality Manager) Signatory Authority

Parbati Golui

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

- I # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- 3. Sample submitted and identified by customer as: N.A.
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- 9. Location of Testing: Haldia Laboratory

End of Report	2021000

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(GOVT. REGISTERED TEST HOUSE)





EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 13.02.2023	:	Report No: ICI/HL/W/RN-211/2023	Format No: ICI/FM/H/67			
Customer Name : N		M/s. GRAPHITE INDIA LTD.	Sample ID No	:	2023/W-211	
Address	s : Durgapur - 713211, Dist Paschim Bardhaman, West Bengal, Sampl		Sampling Date	:	02.02.2023	
#Customer Representative		Mr. C. P. Dhanuka	Sampling Time	:	12:05 PM	
Name & Contact Number	:	Mob. No +91-9332039296	Analysis Start Date	:	04.02.2023	
Name & Contact Number		M00. No +91-9332039290	Analysis complete Date	:	11.02.2023	
#Work Order No.	:	DOM/4500287592 Dtd, 05.01.2023	f di di			
#Sample Description	:	EFFLUENT				
Sample Condition	:	In Plastic Bottle & Glass Bottle				
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA	23 rd ed 2017			
#Location	:	EXTRUSION # 2 ETP OUTLET				
Material/ Test Specification : Schedule – VI: General Standards for Discharge of Environmental Pollutants: Part A: Effluents; The Environment (Protection) Rules, 1986						

SI.	Parameters	Unit	Result	for Discharge of	eneral Standards Environmental A: Effluents**	Method Followed
No.			7	Inland Surface Water	Public Sewers	
1. pH (at 20°C)		(4.50)	6.93	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983: RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	49.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984: RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	102.8	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	19.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	4.3	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991: RA 2019, APHA 23 rd Edition 5520B,
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	44.0	1 mg/L (max)	5 mg/L (max)	APHA 23 rd Edition 5530 C
7.	Sulfate (as SO ₄)	mg/L	0.21	Not Specified	Not Specified	IS:3025(Part-24):1986: RA 2019 APHA 23 rd Edition 4500 SO ₄ ² · E

^{**}The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Checked By: A

Test Witnessed By: Nil (Sampling was done in front of customer representatives) Estimated Uncertainty: Not Required

(Quality Manager) Parbatt Manager Quality Manager INDICATIVE CONSULTANT INDIA

Note:

- # Information provided by customer
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- Sample submitted and identified by customer as: N.A.
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- Location of Testing: Haldia Laboratory

Page 1 of 1 ----End of Report-



CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602 Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973









(GOVT. REGISTERED TEST HOUSE)

EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TAR SAMPLE ANALYSIS REPORT

Customer Name

M/s, GRAPHITE INDIA LTD.

2. Address

Durgapur - 713211, Dist. - Paschim Bardhaman, West Bengal,

3. Date of Sampling

In between 01.02.2023 to 06.02.2023, 09.02.2023, 10.02.2023, 13.02.2023 & 14.02.2023

4. Report No.

. .

5. Analysis Completed on

21.02.2023

6. Reporting Date

22.02.2023

7. Sampling & Test Method

CPCB, Emission Regulation (Part III), Gas Chromatographic method

A. RESULT OF SAMPLING

SI. No.	Stack attached to	Date of Sampling	Parameter	Unit	Result
1.	Mixture Fume Extractor (North) (Extrusion # 1 Dept)	03.02.2023	Benzene Extractable Coal Tar	(mg/Nm ³)	N.D.
2.	Mixture Fume Extractor (South) (Extrusion # 1 Dept)	03.02.2023	Benzene Extractable Coal Tar	(mg/Nm ³)	N.D.
3.	Cooler North (Extrusion # 1 Dept)	03.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
4.	Fume Extractor (West side) weigh floor (Extrusion # 1 Dept)	03.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
5.	Baking Furnace (Fee. 1 to 5 side)	09.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
6.	Baking Furnace (Fee. 6 to 10 Side)	09.02.2023	Benzene Extractable Coal Tar	(mg/Nm ³)	N.D.
7	Ried Hammer Furnace (Baking Furnace)(14 SECTION)	13.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
8.	Ried Hammer Furnace (Baking Furnace)(RH 16 & RH 24-1 SECTION)	13.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
9.	P.I. UNIT 2 (THERMOPACK STACK)	09.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
10.	P.I. UNIT 2 (HGG STACK)	09.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
11	Boiler 2.0 Ton/Hr. Running	10.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.
12.	Tunnel Kiln – 1 (Re-baking Furnace)	06.02.2023	Benzene Extractable Coal Tar	(mg/Nm³)	N.D.

Page 1 of 2





CENTRAL LABORATORY : HPL Link Road, Basudevi

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

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973











SI. Stack attached to Date of Sampling Parameter Unit Result No. 13. P.I. Unit - 3 (HGG Stack) 10.02.2023 Benzene Extractable Coal Tar (mg/Nm³) N.D. 14: P.I. Unit - 3 (Thermo pack Stack) 10.02.2023 Benzene Extractable Coal Tar (mg/Nm3) N.D. Extrusion - 2 Department Thermic Fluid 15. 01.02.2023 Benzene Extractable Coal Tar (mg/Nm3) N.D. Extrusion - 2 IRICH (Trema) 16 02.02.2023 Benzene Extractable Coal Tar (mg/Nm³) N.D. Scrubber System 17. RH - 24 (II) Furnace 04.02.2023 Benzene Extractable Coal Tar (mg/Nm3) N.D. 18. P.I. Unit - 4 Thermo pack Stack 14.02.2023 Benzene Extractable Coal Tar (mg/Nm3) N.D. 19. P.I. Unit - 4 Pre Heater 14.02.2023 Benzene Extractable Coal Tar (mg/Nm1) N.D.

End of Report

Parbati Golul Quality Mand INDICATIVE CONSUPTAR Signatory Authority

Page 2 of 2

Phone No.: 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY B1-1/22/1-2 Santoshour/MI Rlock D Mahashiala Valleta Tongen

CENTRAL LABORATORY: HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

STATEMENT OF STACK EMISSION DETAILS FOR THE YEAR FEBRUARY-2023

M/s. Graphite India Ltd.

Date of Sampling: 02.11.2022 to 14.11.2022

Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
1	Mixture Fume Extractor (North) (Extrusion #1 Dept)	1	Electricity	720	30000	26000	30	18970.49	24.0	-	-	-	13.23	N.A.	Nil
2	Mixture Fume Extractor (South) (Extrusion#1 Dept)	2	Electricity	406x406	30000	16000	27	9153.30	23.0	-	-	-	15.61	N.A.	Nil
3	Cooler North (Extrusion#1 Dept)	3	Electricity	550	30000	15000	29	16019.13	20.00	-	-	-	19.08	N.A.	Nil
4	Cooler South (Extrusion#1 Dept)	4	Electricity					Pro	oduction U	nit Not In	Operation			N.A.	Nil
5	Fume Extractor (West side) weigh floor (Extrusion#1 Dept)	5	Electricity	780	30000	26000	27	26719.85	27.0	-	-	-	15.72	N.A.	Nil
6	Raymond Mill Dust Collector (Extrusion#1 Dept)	6	Electricity	300x300	7000	1600	29	4157.08	35.0	-	-	-	13.08	N.A.	Bag Filter
7	Scrap System Dust Collector (Extrusion#1 Dept)	7	Electricity	600	7100	5600	30	10270.29	43.0	-	-	-	10.32	N.A.	Bag Filter
8	Main Dust Collector (Extrusion#1 Dept)	8	Electricity	700	22000	15000	29	10437.43	61.0	-	-	-	7.68	N.A.	Bag Filter
9	Baking Milling Dust Collector	9	Electricity	760	10000	4660	31	19381.17	55.0	-	-	-	12.19	N.A.	Bag Filter
10	Baking Furnace (Fee. 1 to 5 side)	10	CBM	1560	30000	9650	174	63853.08	63.0	70.63	70.15	3.2	14.27	N.A.	Incinerator
11	Baking Furnace (Fee. 6 to 10 side)	11	СВМ	1560	30000	9650	162	58839.71	66.0	50.44	77.8	3.6	12.80	N.A.	Incinerator
12	Ried Hammer Furnace (Baking Furnace) (14 SECTION)	12	СВМ	800	30000	10500	84	12255.64	59.0	60.54	63.27	3.2	8.28	N.A.	E.S.P
	Ried Hammer Furnace (Baking Furnace)(RH16 & RH24-I SECTION)	13	СВМ	1800	45000	33000	76	109442.01	61.0	70.63	59.80	3.4	14.27	N.A.	E.S.P
14	P.I. UNIT- 2 (THERMOPACK STACK)	16	СВМ	400	30000	28000	99	2868.84	61.0	60.54	68.31	3.2	8.12	N.A.	Nil
15	P.I. UNIT- 2 (HGG STACK)	17	СВМ	400	30000	28000	65	4390.47	52.0	50.45	73.11	3.4	11.29	N.A.	Water spray Cooling Chamber
16	LWG # 3(MILLING)	18	Electricity	650	10670	6700		Pro	oduction U	nit Not In	Operation			N.A.	Bag Filter
17	Finishing Dust Collector (North) (Unit 1)	19	Electricity	700	13000	4200	30	12256.02	52.0	-	-	-	9.06	N.A.	Bag Filter

Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO2	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
18	Finishing Dust Collector (Unit 2)	20	Electricity	900	15000	11000	31	38852.32	64.0	-	-	-	17.43	N.A.	Bag Filter
19	FINE SCREENING DUST COLLECTOR	21	Electricity	560	9750	6700	29	6361.52	41.0	-	-	-	7.33	N.A.	Bag Filter
20	Boiler (1.5 Ton/ 2Ton) 2 Ton Running	22	CBM (86 m ³ /Hr.)	280	29290	13500	116	1702.41	75.0	121.07	90.79	3.2	10.25	N.A.	Nil
21	Tunnel Kiln – 1 (Re-baking Furnace)	23	CBM (140 Kg./Hr.)	730	30000	18000	111	7754.00	29.0	80.72	63.35	3.2	6.78	N.A.	Incinerator
22	Finishing Dust Collector (Unit 3)	24	Electricity	780	13000	9000	30	17797.69	67.0	-	-	-	10.63	N.A.	Bag Filter
23	P.I. Unit – 3 (HGG STACK)	25	СВМ	400	30000	28000	65	3791.74	68.0	70.63	68.43	3.4	9.75	N.A.	Water Spray Cooling Chamber
24	Tunnel Kiln – 2 (Re-baking Furnace)	26	CBM (140 Kg./Hr.)	730	30000	18000	116	9616.68	25.0	50.45	59.80	3.6	8.52	N.A.	Incinerator
25	P.I. Unit – 3 (THERMOPACK STACK)	27	СВМ	400	30000	28000	84	2766.73	70.0	70.63	50.15	3.8	7.41	N.A.	Nil
26	Extrusion -2 Department Thermic Flueid Heater	28	CBM (138.4 Nm³/Hr.)	580	30000	20000	60	6391.36	31.0	70.63	75.20	3.2	7.68	N.A.	Nil
27	Extrusion #2 IRICH Dust Collector	29	Electricity	300	34000	28000	28	4137.67	50.0	-	-	-	16.53	N.A.	Bag Filter
28	Extrusion #2 Main Dust Collector	30	Electricity	1000	34000	33000	27	43665.49	71.0	-	-	-	15.66	N.A.	Bag Filter
29	Extrusion #2 Raymond Mill Dust Collector	31	Electricity	230	12500	10500	31	2261.65	76.0	-	-	-	15.56	N.A.	Bag Filter
30	Extrusion #2 Silo Dust Collector	32	Electricity	600	15000	7000	29	14301.50	61.0	-	-	-	14.34	N.A.	Bag Filter
31	Extrusion #2 IRICH (Trema) Scrubber System	33	Electricity	280	8000	7000	30	9311.08	41.0	-	-	-	45.20	N.A.	Scrubber System
32	Acheson Dust Collector	34	Electricity	800x320	18000	10500	30	11814.32	65.0	-	-	-	13.11	N.A.	Bag Filter
33	Extrusion #2 Scrap system Dust collector	35	Electricity	650	17000	8900	26	14938.76	62.0	-	-	-	12.63	N.A.	Bag Filter
34	R.H24 (II) Furnace	36	CBM (70 m ³ /Hr.)	1600	45000	33000	79	43457.24	36.0	60.54	53.65	3.6	7.26	N.A.	E.S.P
35	Finishing Unit – 3 (South Side) Nipple Dust Collector	37	Electricity	700	15000	8000	30	18687.81	33.0	-	-	-	13.85	N.A.	Bag Filter

	Stack Attached to	Stack No.	Fuel (Type & Quantity)		Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
36	Finishing Unit – 2 Nipple line Dust Collector	38	Electricity	610	11580	9140	31	7822.21	46.00	-	-	-	7.66	N.A.	Bag Filter
37	R.H16 Stock Cleaning Machine Dust Collector	39	Electricity	400 × 600	10000	7000	33	6411.74	44.00	-	-	-	7.71	N.A.	Bag Filter
38	R.H24 (II) Stock Cleaning Machine Dust Collector	40	Electricity	650	30000	15000	32	10367.79	37.0	-	-	-	8.96	N.A.	Bag Filter
39	Turning-1 Dust Collector	41	Electricity	250	15000	3000	31	1315.66	51.0	-	-	-	7.68	N.A.	Bag Filter
40	P.I2 Turning Machine Dust Collector	42	Electricity	250	15000	3000	31	4244.6	64.0	-	-	-	24.77	N.A.	Bag Filter
41	P.I-3 Turning Machine Dust Collector	43	Electricity	250	15000	3000	33	1552.31	41.0	-	-	-	9.12	N.A.	Bag Filter
42	P.I Unit- 4 (THERMOPACK STACK)	44	CBM (100 m ³ /Hr.)	950	30500	18800	189	11773.44	62.0	80.72	52.61	3.0	7.3	N.A.	Nill
43	P.I4 Pre-Heater	45	CBM (60 m ³ /Hr.)	1150	35800	21200	52	19827.84	48.0	60.54	48.54	3.4	5.9	N.A.	Nil
44	RH-24 (II) Jaw Crusher Machine Dust Collector	46	Electricity	480	22000	10000	31	4851.49	30.0	-	-	-	7.67	N.A.	Bag Filter
45	Ried Hammer-16 Jaw Crusher Dust Collector	47	Electricity	800	12000	6400	32	13164.56	26.0	-	-	-	7.53	N.A.	Bag Filter
46	R.H24 (I) Stock Cleaning Dust Collector	48	Electricity	300	10670	4570	32	2652.33	38.0	-	-	-	10.74	N.A.	Bag Filter With Cyclone Separator
47	Core Sampling Dust Collector	49	Electricity	250	6000	4500	30	1319.95	34.0	-	-	-	7.66	N.A.	Bag Filter With Cyclone Separator
48	CBS Dust Collector	50	Electricity	600	12000	5000	30	15405.88	51.0	-	-	-	15.53	N.A.	Bag Filter

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For	Indica	ative	Consu	ltant	India

Parbati Golui (Quality Manager) Signatory Authority

Checked By: A. Patra

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.

Pollution Ambient Air Average concentration for Quarter 1 YEAR 2023 around the plant surroundings

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009
Sampling Period: 01.02.2023 to 09.02.2023

All figures are in micro gms / N cub. Mt

			1	Parameters	s in μg/m³	3	Paramet ers in mg / m ³	P	arameters	in μg/m	3	Param	eters in n	g / m ³	Location	Direction wrt Plant Land	Close to
Max limit			60	100	80	80	2	1	5	400	100	1	6	20			
LOCATION	Sampling Date	Sampling Time	PM2.5	PM10	SO ₂	NO ₂	со	Pb	Benzene	NH ₃	Ozone	Benzo(a) Pyrene	As	Ni			
							Ne	w Extrus	ion Camp	us							
	01.02.2023	10:00 AM to 06:00 PM	40.10	87.09	20.69	39.26	0.2716	1	-	ı	-	-	1	-			
A	01.02.2023 to 02.02.2023	06:30 PM to 02:30 AM	36.07	80.45	23.80	46.56	0.3088	1	-	1	-		1	-	Extrusion #2 Campus	East Side	Boundary wall
	02.02.2023	03:00 AM to 11:00 AM	32.58	74.93	17.59	41.08	0.3407	1	-	1	-	-	1	-			
	Average		36.25	80.82	20.69	42.30	0.3070	-	-	-	-	-	-	-			
	01.02.2023	10:30 AM to 06:30 PM	38.85	91.30	18.62	41.99	0.2779	-	-	-	-	-	-	-			
В	01.02.2023 to 02.02.2023	07:00 PM to 03:00 AM	33.58	82.41	21.73	44.73	0.2933	-	-	-	-	-	-	-	Extrusion #2 Campus	North Side	Boundary wall
	02.02.2023	03:30 AM to 11:30 AM	30.08	75.15	15.52	37.43	0.3401	-	-	-	-	-	-	-			
	Average		34.17	82.95	18.62	41.38	0.3038	-	_	-	-	-	_	-			
	02.02.2023	11:30 AM to 07:30 PM	46.37	90.46	20.69	41.08	0.3141	-	-	-	-	-	-	-			
C	02.02.2023 to 03.02.2023	08:00 PM to 04:00 AM	34.83	85.17	16.55	37.43	0.3469	-	-	-	-	-	-	-	Extrusion#2 Campus	South Side	Boundary wall
	03.02.2023	04:30 AM to 12:30 PM	42.71	94.66	17.59	42.91	0.3628	-	-	-	-	-	-	-			
	Average		41.30	90.10	18.28	40.47	0.3413	-	-	•	-	-	•	-			
	02.02.2023	12:00 Noon to 08:00 PM	32.58	78.48	21.73	41.08	0.2652	-	-	-	-	-	-	-			
D	02.02.2023 to 03.02.2023	08:30 PM to 04:30 AM	29.85	75.54	16.55	37.43	0.2966	-	-	-	-	-	-	-	Extrusion #2 Campus	West Side	Boundary wall

	03.02.2023	05:00 AM to	36.34	86.21	23.80	43.82	0.3471	-	-	-	-	-	-	-			
	A	01:00 PM	22.02	00.00	20.60	40.70	0.2020										
	Average	09:00 AM	32.92	80.08	20.69	40.78	0.3030	-	-	-	-	-	-	-			
	03.02.2023	to 05:00 PM	39.80	92.17	22.76	44.73	0.2791	BDL	BDL	BDL	38.10	BDL	BDL	BDL			
E	03.02.2023 to 04.02.2023	05:30 PM to 01:30 AM	33.83	82.79	15.52	41.99	0.3228	BDL	BDL	BDL	-	BDL	BDL	BDL	Extrusion#2 Campus	Center Location	Near New Road Weigh Bridge
	04.02.2023	02:00 AM to	30.08	76.18	18.62	37.43	0.3605	BDL	BDL	BDL	-	BDL	BDL	BDL	-		
	Average	10:00 AM	34.57	83.71	18.97	41.38	0.3208	BDL	BDL	BDL	38.10	BDL	BDL	BDL			
	Average		34.37	03.71	10.77	41.56		hite Old l			36.10	DDL	DDL	BDL			
	03.02.2023	09:30 AM to	37.59	85.15	20.69	41.99	0.2766	-	-	-	-	-	-	-			
F	03.02.2023 to	05:30 PM 06:00 PM to	33.58	77.69	22.76	46.56	0.3148	-	-	-	-	-	-	-	Near Personnel Office	West Side	Boundary wall
	04.02.2023	02:00 AM 02:30 AM to 10:30 AM	31.41	73.46	18.62	39.26	0.3691		-	-	-	-	-	-	(Graphite Old Plant)		
	Average	10.30 AW	34.19	78.77	20.69	42.60	0.3202	_	_	_	_	_	_	_			
	06.02.2023	09:00 AM to	48.51	89.18	21.73	45.65	0.2658	-	-	-	-	-	-	-	.,		
G	06.02.2023 to 07.02.2023	05:00 PM 05:30 PM to 01:30 AM	38.85	81.50	18.62	41.99	0.3012	-	-	-	-	-	-	-	Near Security Barrack (Graphite	North Side	Boundary wall
	07.02.2023	02:00 AM to 10:00 AM	32.58	76.05	15.52	35.60	0.3514	-	1	-	-	-	-	-	Old Plant)		
	Average		39.98	82.24	18.62	41.08	0.3061	-	-	-	-	-	-	-			
	06.02.2023	09:30 AM to 05:30 PM	41.20	90.55	21.73	48.38	0.2769	-	-	-	-	-	-	-	At the east of		
Н	06.02.2023 to 07.02.2023	06:00 PM to 02:00 AM	36.11	83.33	23.80	43.82	0.3248	-	-	-	-	-	-	-	LWG 4 & 5 (Graphite	East Side	Boundary wall
	07.02.2023	02:30 AM to 10:30 AM	32.66	78.30	18.62	40.17	0.3671	-	-	•	-	-	-	-	Old Plant)		
	Average		36.66	84.06	21.38	44.12	0.3229	-	-	-	-	-	-	-			
	07.02.2023	10:30 AM to	38.56	86.40	17.59	41.99	0.2878	_	_	_	_	_	_	_			

I	07.02.2023 to 08.02.2023	07:00 PM to 03:00 AM	42.61	91.67	22.76	45.65	0.3306	-	-	-	-	-	-	-	side of Tunnel Kiln (Graphite	South Side	Boundary wall
	08.02.2023	03:30 AM to 11:30 AM	33.83	82.07	18.62	35.60	0.3751	ı	ı	ı	1	1	-	-	Old Plant)		
	Average		38.33	86.71	19.66	41.08	0.3312	ı	ı	-	-	-	-	-			
	07.02.2023	11:00 AM to 07:00 PM	44.78	94.20	18.62	41.99	0.3017	BDL	BDL	BDL	40.1	BDL	BDL	BDL			
J	07.02.2023 to 08.02.2023	07:30 PM to 03:30 AM	48.87	98.47	22.76	46.56	0.3409	BDL	BDL	BDL	-	BDL	BDL	BDL	Graphite Old Plant	Center Location	West side of Shipping Unit # 2
	08.02.2023	04:00 AM to 12:00 Noon	35.09	83.15	15.52	37.43	0.3972	BDL	BDL	BDL	-	BDL	BDL	BDL			
	Average		42.91	91.94	18.97	41.99	0.3466	BDL	BDL	BDL	40.10	BDL	BDL	BDL			
	08.02.2023	12:00 Noon to 08:00 PM	47.26	89.36	23.80	44.73	0.3355	-	-	-	1	-	-	-			
K	08.02.2023 to 09.02.2023	08:30 PM to 04:30 AM	35.09	75.25	17.59	36.52	0.3721	-	-	-	-	-	-	-	Near Baking Furnace RH 16 Section	North Side	Boundary wall
	09.02.2023	05:00 AM to 01:00 PM	42.61	82.43	19.66	41.08	0.2892	-	-	-	-	-	-	-			
	Average		41.65	82.35	20.35	40.78	0.3323	-	-	-	-	-	-	-			
	08.02.2023	12:30 PM to 08:30 PM	39.80	81.20	21.73	44.73	0.3078	-	-	-	-	-	-	-			
L	08.02.2023 to 09.02.2023	09:00 PM to 05:00 AM	33.83	72.56	16.55	35.60	0.3591	1	1	1	-	-	-	-	Near RH- 24 (II)	South Side	Boundary wall
	09.02.2023	05:30 AM to 01:30 PM	36.34	79.35	19.66	40.17	0.2844	-	-	1	-	-	-	-			
	Average		36.66	77.70	19.31	40.17	0.3171	-	-	-	-	-	-	-			

For, Indicative Consultant India

Parbati Golui (Quality Manager) Signatory Authority

Checked By: A. Patra

HPL Link Road, Basudevpur, Khanjanchak

Form No. - 30

Table No. - 1

Ph. – 03224, 275765 *Mob.* – 94340 17584

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

Haldia, Purba Medinipur – 721 602

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

M/s. GRAPHITE INDIA LTD., Dist – Paschim Bardhaman, Durgapur, PIN - 713 211, (West Bengal)

Result of Analysis:-

Register Containing Particulars of Testing of Illumination Level.

Sl. No.	Name of Locations	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Reference Method	Illumination Level in Lux	Limit Lux	Remarks	Signature	Name
1	EXTRUSION #1 MIXER WORKING AREA					217	65	Adequate		
2	EXTRUSION #1 WEIGH WORKING AREA					123	65	Adequate		
3	EXTRUSION #2 PRESS WORKING AREA					172	65	Adequate		
4	EXTRUSION #2 14 MTR. WORKING FLOOR					124	65	Adequate		T.
5	RC BAKING WORKING AREA					128	65	Adequate		SUTRADHAR
6	REID HAMMER BAKING-14 WORKING AREA REID HAMMER BAKING-16 WORKING AREA					232 173	65 65	Adequate Adequate		
8	REID HAMMER BAKING-24 (I) WORKING AREA					149	65	Adequate		
9	REID HAMMER BAKING-24 (II) WORKING AREA					192	65	Adequate		
10	BAKING TUNNEL KILN WORKING AREA		13.02.2023	Digital Lux	By Digital	384	65	Adequate		
11	PITCH IMPREGNATION UNIT # 2 WORKING AREA			Meter	Lux Meter	303	65	Adequate		
12	PITCH IMPREGNATION UNIT # 3 WORKING AREA		6:00 PM			482	65	Adequate		
13	LWG # 3 WORKING AREA	Illumination	to			254	65	Adequate		
14	LWG # 4 WORKING AREA		7:50 PM			163	65	Adequate		
15	GRAPHITE ACHESON WORKING AREA					142	65	Adequate		
16	FINISHING # 1 WORKING AREA					206	65	Adequate		S.
17	FINISHING # 2 WORKING AREA					312	65	Adequate		CHATTARAJ
18	FINISHING # 3 WORKING AREA					419	65	Adequate		
19	LWG # 5 WORKING AREA					165	65	Adequate		
20	PITCH IMPREGNATION UNIT # 4 WORKING AREA					118	65	Adequate		
21	MAINTENANCE DEPARTMENT					530	65	Adequate		
22	MAIN STORE AREA					166	65	Adequate		
23	CANTEEN					169	65	Adequate		
24	NEAR MAIN GATE (OLD PLANT)					130	65	Adequate		
25	LABORATORY					258	65	Adequate		

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

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Authorized Signatory

P 1/1

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

Dist – Paschim Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Noise Level Monitoring.

For the month FEBRUARY - 2023

Sl. No.	Name of Locations	Parameter		Sampling Instrument Used	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1	EXTRUSION #1 Mixer Floor		09.02.2023 09:40 AM		82.6, 81.4, 83.2, 82.4, 81.6, 82.9, 83.0, 81.4, 82.2, 83.5	82.4						
2	EXTRUSION #1 Weigh Floor		09.02.2023 10:20 AM		80.4, 82.4, 81.6, 82.0, 82.9, 83.2, 81.4, 82.2, 81.5, 82.8	82.0						
3	EXTRUSION #1 Cooler Floor		09.02.2023 11:55 AM		80.6, 82.4, 81.6, 82.0, 81.2, 82.9, 81.8, 82.9, 83.2, 81.8	82.0						
4	EXTRUSION #1 Press Floor		09.02.2023 12:30 PM		80.2, 79.4, 81.4, 82.1, 79.9, 81.0, 82.0, 81.6, 82.1, 79.4	80.9						
5	EXTRUSION #2 Press Floor		10.02.2023 04:15 PM		82.0, 82.2, 81.9, 82.5, 81.0, 81.8, 82.4, 81.1, 81.5, 82.0	81.9						
6	EXTRUSION #2 14 Meter Floor		10.02.2023 04:50 PM		81.4, 82.6, 81.8, 82.4, 82.9, 81.5, 80.9, 81.4, 82.6, 82.0	82.0						
7	Baking RC Shop Floor		09.02.2023 02:00 PM		83.1, 81.2, 82.4, 83.1, 82.2, 81.6, 82.2, 82.9, 81.8, 80.8	82.1						
8	Baking RH- 14 Section Shop Floor		09.02.2023 01:00 PM		82.4, 81.6, 82.2, 81.8, 82.0, 81.6, 82.2, 82.7, 81.7, 80.8	81.9						
9	Baking RH- 16 Shop Floor		09.02.2023 02:35 PM		82.4, 81.6, 82.3, 82.0, 81.9, 82.4, 83.0, 81.8, 82.4, 82.6	82.2						
10	Baking RH- 24 (I) Section Shop Floor		09.02.2023 03:05 PM		82.4, 81.6, 81.8, 80.8, 82.0, 81.1, 82.0, 81.8, 82.1, 80.9	81.7						T. SUTRADHAR
11	Baking RH – 24 (II)		09.02.2023 04:10 PM		82.0, 81.6, 82.5, 81.6, 80.9, 80.8, 81.3, 82.2, 81.0, 81.9	81.6						
12	Baking Tunnel Kiln		09.02.2023 03:40 PM		82.3, 82.4, 81.5, 82.8, 81.9, 81.4, 82.3, 82.0, 82.6, 82.5	82.2		Exposure Limit for				
13	Pitch Impregnation Unit # 2 Shop	Noise Level Monitoring	09.02.2023 04:40 PM	Annexure- I	83.5, 81.8, 82.4, 82.9, 82.3, 83.4, 82.5, 83.0, 82.8, 81.9	82.7	8 hrs.	Industrial workers	Annexure- I	3		
14	Pitch Impregnation Unit # 3 Shop		09.02.2023 05:10 PM		82.4, 83.0, 82.2, 81.9, 82.2, 81.6, 82.1, 82.4, 81.8, 82.0	82.2		(8 hrs.) = 90 $dB(A)$				S. CHATTARAJ
15	Pitch Impregnation Unit # 4 Shop		10.02.2023 09:35 AM		81.1, 83.0, 80.6, 81.4, 81.6, 82.4, 81.9, 82.0, 81.6, 81.8	81.7						
16	LWG # 3 Shop		10.02.2023 10:10 AM		81.9, 82.4, 82.6, 82.9, 80.9, 81.6, 82.0, 82.6, 81.1, 82.3	82.0						

17	LWG #4 Shop	10.02.2023 10:40 AM	83.6, 82.6, 82.0, 81.9, 82.0, 81.7, 82.9, 83.0, 82.4, 83.8	82.6			
IΙΧ	LWG Unit # 4 (Auto Dust Bagging Area)	10.02.2023 11:10 AM	79.4, 81.2, 78.8, 80.4, 77.8, 79.0, 81.9, 82.0, 79.4, 78.1	79.8			
19	LWG # 5 Shop	10.02.2023 11:50 AM	81.6, 82.4, 82.9, 82.0, 81.1, 80.9, 80.6, 80.9, 81.9, 82.0	81.6			
20	Finishing # 1 Shop Floor	10.02.2023 12:25 PM	82.0, 81.4, 81.9, 82.1, 83.0, 82.4, 81.6, 82.0, 81.9, 82.0	82.0			
21	Finishing #2 Shop Floor	10.02.2023 01:05 PM	81.6, 82.4, 81.9, 82.0, 81.4, 82.6, 82.4, 81.6, 82.0, 80.9	81.9			
22	Finishing #3 Shop Floor	10.02.2023 01:50 PM	81.4, 79.9, 80.8, 81.0, 79.9, 80.2, 81.1, 81.6, 82.3, 81.4	81.0			
	Graphite Acheson Shop	10.02.2023 02:20 PM	79.6, 80.1, 82.1, 79.4, 78.8, 79.1, 78.4, 79.9, 80.0, 82.2	80.0			
24	Graphite Fines Screening Shop	10.02.2023 02:55 PM	80.6, 81.9, 82.0, 81.8, 83.1, 82.9, 82.2, 80.6, 81.5, 82.2	81.9			
25	Core Sample Shed	10.02.2023 03:30 PM	81.2, 80.6, 81.1, 81.7, 81.5, 82.4, 80.2, 79.8, 81.1, 80.8	81.0			

For, INDICATIVE CONSULTANT INDIA

WORKZONE AIR MONITORING SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist – Paschim Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Workzone Air Monitoring.

For the month of FEBRUARY-2023

Sl. No.	Location / Operation	Identified Contaminant	Date of Monitoring	Sampling Instrument		borne mination	TWA Concentration as given in 2nd	Reference Method		of workers the location onitored	Remarks	Signature of person taking	Name in block letters
110.	Monitoring	Contaminant	Momitoring	Used	No. of sample	Avg. mg/M3	Schedule (mg/M3)	Method	Continuous Exposure	Short term Exposure		Samples	letters
		SPM				1.084	10.0			-	Below PEL		T. SUTRADHAR
1	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.445	5.0	Annexure- I	3	-	-Do-		
	Press Floor	SO2				0.020	5.0			-	-Do-		S. CHATTARAJ
		NOx				0.044	6.0			-	-Do-		
		SPM				1.065	10.0			-	-Do-		T. SUTRADHAR
2	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.315	5.0	Annexure- I	3	•	-Do-		
	Weigh Floor	SO2	00.02.2023	Amicxure-1	3	0.020	5.0	5.0	-	-Do-		S. CHATTARAJ	
		NOx		0.042 6.0		-	-Do-						
		SPM				1.112	10.0			-	-Do-		T. SUTRADHAR
3	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.274	5.0	Annexure- I	3	-	-Do-		
	Mixer Floor	SO2	00.02.2023	Allicaure- I	3	0.019	5.0			-	-Do-		S. CHATTARAJ
		NOx				0.038	6.0			-	-Do-		
		SPM				1.025	10.0			-	-Do-		T. SUTRADHAR
4	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.424	5.0	Annexure- I	3	-	-Do-		
	Cooler Floor	SO2	00.02.2023	7 timexure-1	3	0.023	5.0	7 timexure- 1	3	-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0			-	-Do-		
		SPM				0.906	10.0			-	-Do-		T. SUTRADHAR
5	Extrusion #2	RPM	07.02.2023	Annexure- I	3	0.332	5.0	Annexure- I	3	-	-Do-		
	Press Floor	SO2	07.02.2023	7 timexure-1	3	0.020	5.0	7 timexure- 1	3	-	-Do-		S. CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
	† †	SPM				1.437	10.0			-	-Do-		T. SUTRADHAR
6	Extrusion #2	RPM	07.02.2023	Annexure- I	3	0.685	5.0	Annexure- I	3	-	-Do-		
	14mt. Floor	SO2	37.02.2023	Annexure- I	3	0.021	5.0		e- I 3	-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0			-	-Do-		

		SPM				1.470	10.0			-	-Do-		T. SUTRADHAR				
	Baking R-C	RPM		_	_	0.569	5.0	1	_	-	-Do-						
7	Shop	SO2	07.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	_	-Do-		S. CHATTARAJ				
	l	NOx				0.039	6.0			-	-Do-						
	i i	SPM				2.379	10.0			-	-Do-		T. SUTRADHAR				
	Baking RH 16	RPM			2	0.868	5.0	1		-	-Do-						
8	Shop Floor	SO2	07.02.2023	Annexure- I	3	0.018	5.0	Annexure- I	3	-	-Do-		S. CHATTARAJ				
	1	NOx				0.038	6.0	1		-	-Do-						
		SPM				1.985	10.0			-	-Do-		T. SUTRADHAR				
9	Baking RH 24	RPM	00 02 2022	Α	3	1.124	5.0	1	3	-	-Do-	1					
9	(I) Shop Floor	SO2	08.02.2023	Annexure- I	3	0.019	5.0	Annexure- I	3	-	-Do-	1	S. CHATTARAJ				
		NOx				0.040	6.0			-	-Do-						
		SPM				2.554	10.0			-	-Do-		T. SUTRADHAR				
10	Baking Tunnel	RPM	00 02 2022	A avvva. I	3	1.517	5.0	A I	3	-	-Do-	1					
10	Kiln Shop	SO2	08.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	-	-Do-		S. CHATTARAJ				
		NOx				0.043	6.0			-	-Do-						
		SPM		08.02.2023 Annexure- I		2.564	10.0			-	-Do-		T. SUTRADHAR				
11	Pitch Impregnation	RPM	08 02 2022		Annexure- I	3	1.211	5.0	Annexure- I	3	-	-Do-					
11	Unit # 2 Shop	SO2	08.02.2023	08.02.2023	08.02.2023	08.02.2023	08.02.2023	Annexure- I	3	0.018	5.0	Annexure-1	3	-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0	1		-	-Do-						
		SPM				1.935	10.0			-	-Do-		T. SUTRADHAR				
12	Pitch Impregnation	RPM	08.02.2023	Annexure- I	3	0.918	5.0	Annexure- I	3	-	-Do-						
1,2	Unit # 3 Shop	SO2	06.02.2023	Allilexule- I	3	0.019	5.0	Ailliexule- I	3	-	-Do-		S. CHATTARAJ				
		NOx				0.040	6.0			-	-Do-						
		SPM				2.731	10.0			-	-Do-		T. SUTRADHAR				
13	Graphite	RPM	09.02.2023	Annexure- I	3	1.230	5.0	Annexure- I	3	-	-Do-						
13	Acheson Shop	SO2	07.02.2023	Amicaute-1	3	0.020	5.0	Aillicaure-1	3	-	-Do-		S. CHATTARAJ				
		NOx				0.042	6.0			-	-Do-						
		SPM				2.405	10.0			-	-Do-		T. SUTRADHAR				
14	LWC # 3 Shop	RPM	09.02.2023	Annexure- I	3	1.167	5.0	Annexure- I	3	-	-Do-]					
17	LWG # 3 Shop	SO2	07.02.2023	1 timexuic- I	,	0.020	5.0	Atmicaure- I	,	-	-Do-]	S. CHATTARAJ				
		NOx				0.038	6.0			-	-Do-						
		SPM SPM			1.874	10.0			-	-Do-		T. SUTRADHAR					
15	I WC # 4 Shop	RPM	09.02.2023	Annexure- I	3	0.748	5.0	Annexure- I	nexure- I 3	-	-Do-	-					
13	LWG # 4 Shop	SO2	07.02.2023			0.018	5.0			-	-Do-		S. CHATTARAJ				
		NOx				0.040	6.0			-	-Do-						

		SPM				1.462	10.0			-	-Do-		T. SUTRADHAR					
1.0		RPM	00 02 2022		2	0.586	5.0	1, ,	2	-	-Do-							
16	LWG # 5 Shop	SO2	09.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	-	-Do-		S. CHATTARAJ					
		NOx				0.044	6.0	1		-	-Do-							
		SPM				2.190	10.0			-	-Do-		T. SUTRADHAR					
17	Finishing # 1	RPM	10.02.2023	A	3	1.145	5.0	A I	3	-	-Do-	1						
1 /	Shop Floor	SO2	10.02.2023	Annexure- I	3	0.018	5.0	Annexure- I	3	-	-Do-	1	S. CHATTARAJ					
		NOx				0.039	6.0			-	-Do-							
		SPM				2.276	10.0			-	-Do-		T. SUTRADHAR					
18	Finishing # 2	RPM	10.02.2023	10.02.2023	Annexure- I	3	1.461	5.0	Annexure- I	3	-	-Do-						
10	Shop Floor	SO2	10.02.2023	Amicaure-1	3	0.023	5.0	Aillicaure-1	3	-	-Do-		S. CHATTARAJ					
		NOx				0.040	6.0			-	-Do-							
		SPM				2.599	10.0			-	-Do-		T. SUTRADHAR					
19	Finishing # 3	RPM	10.02.2023	Anneyure- I	3	1.240	5.0	Anneyure- I	3	-	-Do-							
17	Shop Floor	SO2	0.019 5.0 0.037 6.0	-0.02.2023			0.019	5.0	7 Hillioxure 1		-	-Do-		S. CHATTARAJ				
		NOx			-	-Do-												
	C 1'4 E'	SPM	10.02.2023			2.934	10.0			-	-Do-		T. SUTRADHAR					
20	Graphite Fines Screening	RPM		10.02.2023	10.02.2023	10.02.2023	10.02.2023	10.02.2023	10.02.2023	Annexure- I	3	1.611	5.0	Annexure- I	3	-	-Do-	
	Shop	SO2	10.02.2025	7 Illionare 1		0.020	5.0	4		-	-Do-		S. CHATTARAJ					
		NOx			0.040	6.0]		-	-Do-								
	<u> </u>	SPM				1.163	10.0			-	-Do-		T. SUTRADHAR					
21	Canteen	RPM	11.02.2023	Annexure- I	3	0.660	5.0	Annexure- I	3	-	-Do-							
	(Kitchen Area)	SO2				0.018	5.0			-	-Do-	S. CHATT/	S. CHATTARAJ					
		NOx				0.041	6.0			-	-Do-							
	<u> </u>	SPM				1.298	10.0			-	-Do-		T. SUTRADHAR					
22	RH-24 (II)	RPM	11.02.2023	Annexure- I	3	0.760	5.0	Annexure- I	3	-	-Do-							
	_	SO2				0.021	5.0			-	-Do-		S. CHATTARAJ					
		NOx				0.040	6.0			-	-Do-							
		SPM				2.514	10.0			-	-Do-		T. SUTRADHAR					
23	P1 Unit # 4	RPM	11.02.2023	Annexure- I	3	1.313	5.0	Annexure- I	3	-	-Do-							
	P1 Unit # 4	SO2				0.019	5.0			-	-Do-		S. CHATTARAJ					
		NOx				0.040	6.0			-	-Do-							
	LWG Unit-4	SPM		23 Annexure- I 3		3.841	10.0	Annexure- I		-	-Do-		T. SUTRADHAR					
24	Auto Dust Bagging Area	RPM	11.02.2023		3	1.900	5.0		sure- I 3	-	-Do-							
	(During	SO2				0.020	5.0			-	-Do-		S. CHATTARAJ					
	Bagging)	NOx				0.045	6.0			-	-Do-							

		SPM				3.273	10.0			-	-Do-	T. SUTRADHAR
25	Store Shop	RPM	13.02.2023	Annexure- I	3	2.181	5.0	Annexure- I	3	-	-Do-	
23	Floor	SO2	13.02.2023	Allilexule- I	3	0.020	5.0	Aimexure- i	3	-	-Do-	S. CHATTARAJ
		NOx				0.040	6.0			-	-Do-	
		SPM				3.246	10.0			-	-Do-	T. SUTRADHAR
26	Maintanance	RPM	13.02.2023	Annexure- I	3	1.921	5.0	Annexure- I	3	-	-Do-	
20	Shop Floor	SO2	13.02.2023	Allilexure- 1	3	0.020	5.0	Annexure-1	3		-Do-	S. CHATTARAJ
		NOx				0.040	6.0			-	-Do-	
	LWG # 5 Auto	SPM				3.847	1.0	Annexure- I		-	-Do-	T. SUTRADHAR
27	Dust Bagging	RPM	12 02 2022	Annavura I	3	2.404	5.0		3	-	-Do-	
21	Area (During	SO2	13.02.2023 A	Annexure- I		0.019	5.0		3	-	-Do-	S. CHATTARAJ
	Bagging)	NOx				0.039	6.0			-	-Do-	

 $\#\,PEL-Permissible\;Exposure\;Limit.$

For, INDICATIVE CONSULTANT INDIA

WORKZONE AIR MONITORING SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist – Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Workzone Air Monitoring.

For the month of FEBRUARY'2023

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act :2nd Schedule (mg/m³)	Sampling Instrument used and Reference method	Remarks	Signature	Name in block letters
		Methyl Alcohol		32.5	260		Below PEL		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
1	RC – 1 Baking Furnace Shop	Formic Acid	07.02.2023	<0.05	9	Annexure- I	-Do-		
		Benzene		Nil	20		-Do-		S. CHATTARAJ
		Toluene		50	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
2	Reid Hammer 24 (I) Section Shop	Formic Acid	11.02.2023	< 0.05	9	Annexure- I	-Do-		
	энор	Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
3	Baking Tunnel Kiln Shop	Formic Acid	08.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
4	P.I. Unit – 2 Shop	Formic Acid	08.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
5	Acheson Furnace Shop	Formic Acid	09.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
6	LWG – 4 Shop	Formic Acid	09.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		

For, INDICATIVE CONSULTANT INDIA

STATEMENT OF EFFLUENT DETAILS FOR THE YEAR - JAN, FEB. & MAR.' 2023

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

SL. NO.	Location	Sampling Date	Sampling Time	Parameters	Result
				pH (at 20°C)	6.96
				TSS	38.0
	Near LWG # 4 Outlet	03.01.2023	3:15 PM	COD	161.9
				BOD	28.0
				Oil & Grease	4.9
				pH (at 20°C)	7.35
	Collected Treated Water from			TSS	29.0
1	Common Waste Water Recycling Unit of Outfall LWG	02.02.2023	11:00 AM	COD	46.7
	# 4 & Old Weigh Bridge			BOD	8.17
				Oil & Grease	2.7
				pH (at 22°C)	7.18
	Collected Treated Water from			TSS	33.0
	Common Waste Water Recycling Unit of Outfall LWG	04.03.2023	10:10 AM	COD	40.4
	# 4 & Old Weigh Bridge			BOD	8.44
				Oil & Grease	2.8
				pH (at 20°C)	7.51
				TSS	21.0
	Near Old Weigh Bridge Outlet	03.01.2023	3:50 PM	COD	28.8
				BOD	5.61
				Oil & Grease	2.1
				pH (at 20°C)	6.86
	Collected Untreated Water from			TSS	51.0
2	Common Waste Water Recycling Unit of Outfall LWG	02.02.2023	11:15 AM	COD	112.1
	# & Old Weigh Bridge			BOD	20.0
				Oil & Grease	4.2
				pH (at 22°C)	6.97
	Collected Untreated Water from			TSS	48.0
	Common Waste Water Recycling Unit of Outfall LWG	04.03.2023	10:20 AM	COD	90.9
	# & Old Weigh Bridge			BOD	21.0
				Oil & Grease	4.5
				pH (at 20°C)	7.63
				TSS	25.0
		03.01.2023	4:10 PM	COD	38.5
				BOD	7.12
				Oil & Grease	2.2
				pH (at 20°C)	6.93
				TSS	49.0
3	Extrusion #2 ETP Outlet	02.02.2023	12:05 PM	COD	102.8

			BOD	19.0
			Oil & Grease	4.3
			pH (at 22°C)	6.89
			TSS	51.0
	04.03.2023	9:30 AM	COD	121.2
			BOD	24.0
			Oil & Grease	4.1

Checked By: A. Patra

For, Indicative Consultant India

Parbati Golui (Quality Manager) Signatory Authority

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

Dist – Burdwan, Durgapur, PIN - 713 211, (West Bengal)

For the Month of FEB.'2023

Sampling Date: 13.02.2023 to 14.02.2023

Noise Level Leq. dB(A)

	LOCATIONS:	Г	OAY TIME d	B(A)	NIG
	LOCATIONS:	Leq	Lmax.	Lmin.	Leq
1	NORTH BOUNDARY WALL –NEAR MANDIR	60.36	62.00	58.10	60.32
2	NORTH BOUNDARY WALL –NEAR SECURITY BARRACK	67.02	68.40	65.90	60.71
3	NORTH BOUNDARY WALL –BACK OF LWG # 3	66.37	68.00	64.80	59.54
4	CENTRE OF THE PLANT (NEAR PI UNIT # 1)	66.01	67.20	64.70	60.74
5	EAST BOUNDARY WALL - NEAR LWG # 4	66.74	68.30	65.30	60.71
6	WEST BOUNDARY WALL - NEAR PERSONAL OFFICE	64.58	66.20	62.70	60.19
7	SOUTH BOUNDARY WALL –NEAR FINISHIG UNIT # 3	64.79	66.80	63.60	60.17
8	SOUTH BOUNDARY WALL –BACK OF OLD STORE	64.49	66.10	62.90	60.76
9	SOUTH BOUNDARY WALL –BACK OF CANTEEN BUILDING	65.15	66.40	63.80	60.00
10	EXTRUSION # 2 AREA (NORTH BOUNDARY WALL)	67.63	69.40	65.80	60.02
11	EXTRUSION # 2 AREA (EAST BOUNDARY WALL)	66.67	68.20	64.60	59.59
12	EXTRUSION # 2 AREA (SOUTH BOUNDARY WALL)	66.65	68.20	65.80	60.13
13	EXTRUSION # 2 AREA (WEST BOUNDARY WALL)	66.06	67.20	64.40	59.86
14	EXTRUSION # 2 CENTRE OF THE PLANT –NEAR NEW WEIGH BRIDGE	65.79	67.40	64.10	59.26

For, Indicative Consultant Ir

Checked By: A. Patra

Parbati Golui (Quality Manager) Signatory Authority

HT TIME d	B(A)
Lmax.	Lmin.
62.00	57.40
62.60	58.60
61.10	57.40
62.20	58.80
62.20	58.80
61.20	58.90
62.60	58.80
62.40	58.90
61.20	58.70
62.40	57.60
61.40	57.90
62.00	58.70
61.20	57.60
60.20	57.60

VENTILATION SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist – Paschim Burdwan, Durgapur, PIN - 713 211, (West Bengal)

For the month FEBRUARY' 2023

SL. No.	Location	Sampling Date	Limit	Parameter	Result			
1			Vol. of air Change/hr >	Volume of work Place x 6	10277.40 m ³			
1	Extrusion #1 Mixer Floor	13.02.2023	6 x Vol. of work place	Volume of air Change/Hr	21870.22			
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	33.0			
3			Wet bulb less than 30°c	Temperature	28.0			
1			Vol. of air Change/hr >	Volume of work Place x 6	108291.60 m ³			
1	Extrusion #2 Press Floor	13.02.2023	6 x Vol. of work place	Volume of air Change/Hr	825147.77			
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	42			
3			Wet bulb less than 30°c	Temperature	23			
1			Vol. of air Change/hr >	Volume of work Place x 6	280993.92 m ³			
1	Baking RH-16 Shop Floor	09.02.2023	6 x Vol. of work place	Volume of air Change/Hr	353710.05			
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	42.0			
3			Wet bulb less than 30°c	Temperature	29.0			
1			Vol. of air Change/hr >	Volume of work Place x 6	59121.36 m ³			
1	Pitch Impregnation	11.02.2023	6 x Vol. of work place	Volume of air Change/Hr	90425.17			
2	Unit # 3		30 m/min at work Place at 1.5 m ht	Velocity (avg)	42.0			
3			Wet bulb less than 30°c	Temperature	28.0			
1			Vol. of air Change/hr >	Volume of work Place x 6	349056.00 m ³			
1	LWG#3	10.02.2023	6 x Vol. of work place	Volume of air Change/Hr	1622025.14			
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	40.0			
3						Wet bulb less than 30°c	Temperature	29.0

1			Vol. of air Change/hr >	Volume of work Place x 6	75134.40 m ³
1	Finishing # 1	09.02.2023	6 x Vol. of work place	Volume of air Change/Hr	162045.11
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	33.0
3			Wet bulb less than 30°c	Temperature	24.0
1			Vol. of air Change/hr >	Volume of work Place x 6	147585.24 m ³
1	Finishing # 2	10.02.2023	6 x Vol. of work place	Volume of air Change/Hr	172145.11
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	40.0
3			Wet bulb less than 30°c	Temperature	26.0
1			Vol. of air Change/hr >	Volume of work Place x 6	590068.86 m ³
1	RH # 24 (II)	14.02.2023	6 x Vol. of work place	Volume of air Change/Hr	756625.11
2			30 m/min at work Place at 1.5 m ht	Velocity (avg)	37.2
3			Wet bulb less than 30°c	Temperature	29.0

For, INDICATIVE CONSULTANT INDIA

STATEMENT OF STACK EMISSION DETAILS FOR THE YEAR FEBRUARY-2023

M/s. Graphite India Ltd.

Date of Sampling: 02.11.2022 to 14.11.2022

SI. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
1	Mixture Fume Extractor (North) (Extrusion #1 Dept)	1	Electricity	720	30000	26000	30	18970.49	24.0	-	-	-	13.23	N.A.	Nil
2	Mixture Fume Extractor (South) (Extrusion#1 Dept)	2	Electricity	406x406	30000	16000	27	9153.30	23.0	-	-	-	15.61	N.A.	Nil
3	Cooler North (Extrusion#1 Dept)	3	Electricity	550	30000	15000	29	16019.13	20.00	-	-	-	19.08	N.A.	Nil
4	Cooler South (Extrusion#1 Dept)	4	Electricity					Pro	oduction U	nit Not In	Operation			N.A.	Nil
5	Fume Extractor (West side) weigh floor (Extrusion#1 Dept)	5	Electricity	780	30000	26000	27	26719.85	27.0	-	-	1	15.72	N.A.	Nil
6	Raymond Mill Dust Collector (Extrusion#1 Dept)	6	Electricity	300x300	7000	1600	29	4157.08	35.0	-	-	1	13.08	N.A.	Bag Filter
7	Scrap System Dust Collector (Extrusion#1 Dept)	7	Electricity	600	7100	5600	30	10270.29	43.0	-	-	1	10.32	N.A.	Bag Filter
8	Main Dust Collector (Extrusion#1 Dept)	8	Electricity	700	22000	15000	29	10437.43	61.0	-	-	1	7.68	N.A.	Bag Filter
9	Baking Milling Dust Collector	9	Electricity	760	10000	4660	31	19381.17	55.0	-	-	-	12.19	N.A.	Bag Filter
10	Baking Furnace (Fee. 1 to 5 side)	10	СВМ	1560	30000	9650	174	63853.08	63.0	70.63	70.15	3.2	14.27	N.A.	Incinerator
11	Baking Furnace (Fee. 6 to 10 side)	11	CBM	1560	30000	9650	162	58839.71	66.0	50.44	77.8	3.6	12.80	N.A.	Incinerator
12	Ried Hammer Furnace (Baking Furnace) (14 SECTION)	12	СВМ	800	30000	10500	84	12255.64	59.0	60.54	63.27	3.2	8.28	N.A.	E.S.P
13	Ried Hammer Furnace (Baking Furnace)(RH16 & RH24-I SECTION)	13	СВМ	1800	45000	33000	76	109442.01	61.0	70.63	59.80	3.4	14.27	N.A.	E.S.P
14	P.I. UNIT- 2 (THERMOPACK STACK)	16	СВМ	400	30000	28000	99	2868.84	61.0	60.54	68.31	3.2	8.12	N.A.	Nil
15	P.I. UNIT- 2 (HGG STACK)	17	СВМ	400	30000	28000	65	4390.47	52.0	50.45	73.11	3.4	11.29	N.A.	Water spray Cooling Chamber
16	LWG # 3(MILLING)	18	Electricity	650	10670	6700		Pre	oduction U	nit Not In	Operation		•	N.A.	Bag Filter
17	Finishing Dust Collector (North) (Unit 1)	19	Electricity	700	13000	4200	30	12256.02	52.0	-	-	-	9.06	N.A.	Bag Filter

SI. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO2	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
18	Finishing Dust Collector (Unit 2)	20	Electricity	900	15000	11000	31	38852.32	64.0	-	-	-	17.43	N.A.	Bag Filter
19	FINE SCREENING DUST COLLECTOR	21	Electricity	560	9750	6700	29	6361.52	41.0	-	-	-	7.33	N.A.	Bag Filter
20	Boiler (1.5 Ton/ 2Ton) 2 Ton Running	22	CBM (86 m ³ /Hr.)	280	29290	13500	116	1702.41	75.0	121.07	90.79	3.2	10.25	N.A.	Nil
21	Tunnel Kiln – 1 (Re-baking Furnace)	23	CBM (140 Kg./Hr.)	730	30000	18000	111	7754.00	29.0	80.72	63.35	3.2	6.78	N.A.	Incinerator
22	Finishing Dust Collector (Unit 3)	24	Electricity	780	13000	9000	30	17797.69	67.0	-	-	-	10.63	N.A.	Bag Filter
23	P.I. Unit – 3 (HGG STACK)	25	СВМ	400	30000	28000	65	3791.74	68.0	70.63	68.43	3.4	9.75	N.A.	Water Spray Cooling Chamber
24	Tunnel Kiln – 2 (Re-baking Furnace)	26	CBM (140 Kg./Hr.)	730	30000	18000	116	9616.68	25.0	50.45	59.80	3.6	8.52	N.A.	Incinerator
25	P.I. Unit – 3 (THERMOPACK STACK)	27	СВМ	400	30000	28000	84	2766.73	70.0	70.63	50.15	3.8	7.41	N.A.	Nil
26	Extrusion -2 Department Thermic Flueid Heater	28	CBM (138.4 Nm³/Hr.)	580	30000	20000	60	6391.36	31.0	70.63	75.20	3.2	7.68	N.A.	Nil
27	Extrusion #2 IRICH Dust Collector	29	Electricity	300	34000	28000	28	4137.67	50.0	-	-	-	16.53	N.A.	Bag Filter
28	Extrusion #2 Main Dust Collector	30	Electricity	1000	34000	33000	27	43665.49	71.0	-	-	-	15.66	N.A.	Bag Filter
29	Extrusion #2 Raymond Mill Dust Collector	31	Electricity	230	12500	10500	31	2261.65	76.0	-	-	-	15.56	N.A.	Bag Filter
30	Extrusion #2 Silo Dust Collector	32	Electricity	600	15000	7000	29	14301.50	61.0	-	-	-	14.34	N.A.	Bag Filter
31	Extrusion #2 IRICH (Trema) Scrubber System	33	Electricity	280	8000	7000	30	9311.08	41.0	-	-	-	45.20	N.A.	Scrubber System
32	Acheson Dust Collector	34	Electricity	800x320	18000	10500	30	11814.32	65.0	-	-	-	13.11	N.A.	Bag Filter
33	Extrusion #2 Scrap system Dust collector	35	Electricity	650	17000	8900	26	14938.76	62.0	-	-	-	12.63	N.A.	Bag Filter
34	R.H24 (II) Furnace	36	CBM (70 m ³ /Hr.)	1600	45000	33000	79	43457.24	36.0	60.54	53.65	3.6	7.26	N.A.	E.S.P
35	Finishing Unit – 3 (South Side) Nipple Dust Collector	37	Electricity	700	15000	8000	30	18687.81	33.0	-	-	-	13.85	N.A.	Bag Filter

	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. 0C	Flow Rate of gas NM3/hr	PM mg/NM ³	SO ₂ mg/NM ³	Nox mg/NM3	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
36	Finishing Unit – 2 Nipple line Dust Collector	38	Electricity	610	11580	9140	31	7822.21	46.00	-	-	-	7.66	N.A.	Bag Filter
37	R.H16 Stock Cleaning Machine Dust Collector	39	Electricity	400 × 600	10000	7000	33	6411.74	44.00	-	-	-	7.71	N.A.	Bag Filter
38	R.H24 (II) Stock Cleaning Machine Dust Collector	40	Electricity	650	30000	15000	32	10367.79	37.0	-	-	-	8.96	N.A.	Bag Filter
39	Turning-1 Dust Collector	41	Electricity	250	15000	3000	31	1315.66	51.0	-	-	-	7.68	N.A.	Bag Filter
40	P.I2 Turning Machine Dust Collector	42	Electricity	250	15000	3000	31	4244.6	64.0	-	-	-	24.77	N.A.	Bag Filter
41	P.I-3 Turning Machine Dust Collector	43	Electricity	250	15000	3000	33	1552.31	41.0	-	-	-	9.12	N.A.	Bag Filter
42	P.I Unit- 4 (THERMOPACK STACK)	44	CBM (100 m ³ /Hr.)	950	30500	18800	189	11773.44	62.0	80.72	52.61	3.0	7.3	N.A.	Nill
43	P.I4 Pre-Heater	45	CBM (60 m ³ /Hr.)	1150	35800	21200	52	19827.84	48.0	60.54	48.54	3.4	5.9	N.A.	Nil
44	RH-24 (II) Jaw Crusher Machine Dust Collector	46	Electricity	480	22000	10000	31	4851.49	30.0	-	-	-	7.67	N.A.	Bag Filter
45	Ried Hammer-16 Jaw Crusher Dust Collector	47	Electricity	800	12000	6400	32	13164.56	26.0	-	-	-	7.53	N.A.	Bag Filter
46	R.H24 (I) Stock Cleaning Dust Collector	48	Electricity	300	10670	4570	32	2652.33	38.0	-	-	-	10.74	N.A.	Bag Filter With Cyclone Separator
47	Core Sampling Dust Collector	49	Electricity	250	6000	4500	30	1319.95	34.0	-	-	-	7.66	N.A.	Bag Filter With Cyclone Separator
48	CBS Dust Collector	50	Electricity	600	12000	5000	30	15405.88	51.0	-	-	-	15.53	N.A.	Bag Filter

For, Indicative	Consultant India
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Parbati Golui (Quality Manager) Signatory Authority

Checked By: A. Patra

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.

Pollution Ambient Air Average concentration for Quarter 1 YEAR 2023 around the plant surroundings

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009
Sampling Period: 01.02.2023 to 09.02.2023

All figures are in micro gms / N cub. Mt

y-g			I	Parameters	in μg / m³	3	Paramet ers in mg / m ³	P	arameters	in μg/m	1 ³	Param	eters in n	g / m ³	Location	Direction wrt Plant Land	Close to
Max limit			60	100	80	80	2	1	5	400	100	1	6	20			
LOCATION	Sampling Date	Sampling Time	PM2.5	PM10	SO ₂	NO ₂	со	Pb	Benzene	NH ₃	Ozone	Benzo(a) Pyrene	As	Ni			
							Ne	w Extrus	ion Camp	us							
	01.02.2023	10:00 AM to 06:00 PM	40.10	87.09	20.69	39.26	0.2716	-	-	-	-	-	-	-			
A	01.02.2023 to 02.02.2023	06:30 PM to 02:30 AM	36.07	80.45	23.80	46.56	0.3088	-	-	-	-	-	-	-	Extrusion #2 Campus	East Side	Boundary wall
	02.02.2023	03:00 AM to 11:00 AM	32.58	74.93	17.59	41.08	0.3407	-	-	-	-	-	-	-			
	Average		36.25	80.82	20.69	42.30	0.3070	-	-	-	-	-	-	-			
	01.02.2023	10:30 AM to 06:30 PM	38.85	91.30	18.62	41.99	0.2779	-	-	-	-	-	-	-			
В	01.02.2023 to 02.02.2023	07:00 PM to 03:00 AM	33.58	82.41	21.73	44.73	0.2933	-	-	-	-	-	-	-	Extrusion #2 Campus	North Side	Boundary wall
	02.02.2023	03:30 AM to 11:30 AM	30.08	75.15	15.52	37.43	0.3401	-	-	-	-	-	-	-			
	Average		34.17	82.95	18.62	41.38	0.3038	-	-	-	-	-	-	-			
	02.02.2023	11:30 AM to 07:30 PM	46.37	90.46	20.69	41.08	0.3141	-	-	-	-	-	-	-			
C	02.02.2023 to 03.02.2023	08:00 PM to 04:00 AM	34.83	85.17	16.55	37.43	0.3469	-	-	-	-	-	-	-	Extrusion#2 Campus	South Side	Boundary wall
	03.02.2023	04:30 AM to 12:30 PM	42.71	94.66	17.59	42.91	0.3628	-	-	-	-	-	-	-			
	Average		41.30	90.10	18.28	40.47	0.3413	-	-	-	-	-	-	-			
	02.02.2023	12:00 Noon to 08:00 PM	32.58	78.48	21.73	41.08	0.2652	-	-	-	-	-	-	-			
D	02.02.2023 to 03.02.2023	08:30 PM to 04:30 AM	29.85	75.54	16.55	37.43	0.2966	1	-	-	-	-	1	-	Extrusion #2 Campus	West Side	Boundary wall

	03.02.2023	05:00 AM to 01:00 PM	36.34	86.21	23.80	43.82	0.3471	-	-	-	-	-	-	-			
	Average		32.92	80.08	20.69	40.78	0.3030	-	-	-	-	-	-	_			
	03.02.2023	09:00 AM to 05:00 PM	39.80	92.17	22.76	44.73	0.2791	BDL	BDL	BDL	38.10	BDL	BDL	BDL			
E	03.02.2023 to 04.02.2023	05:30 PM to 01:30 AM	33.83	82.79	15.52	41.99	0.3228	BDL	BDL	BDL	-	BDL	BDL	BDL	Extrusion#2 Campus	Center Location	Near New Road Weigh Bridge
	04.02.2023	02:00 AM to 10:00 AM	30.08	76.18	18.62	37.43	0.3605	BDL	BDL	BDL	-	BDL	BDL	BDL			
	Average		34.57	83.71	18.97	41.38	0.3208	BDL	BDL	BDL	38.10	BDL	BDL	BDL			
							Grap	hite Old l	Plant Can	ipus							
	03.02.2023	09:30 AM to 05:30 PM	37.59	85.15	20.69	41.99	0.2766	-	-	1	-	-	-	-	Near		
F	03.02.2023 to 04.02.2023	06:00 PM to 02:00 AM	33.58	77.69	22.76	46.56	0.3148	1	1	ı	-	1	-	1	Personnel Office (Graphite	West Side	Boundary wall
	04.02.2023	02:30 AM to 10:30 AM	31.41	73.46	18.62	39.26	0.3691	-	-	-	-	-	-	-	Old Plant)		
	Average		34.19	78.77	20.69	42.60	0.3202	ı	ı	-	-	-	-	-			
	06.02.2023	09:00 AM to 05:00 PM	48.51	89.18	21.73	45.65	0.2658	-	-	-	-	-	-	-	Near		
G	06.02.2023 to 07.02.2023	05:30 PM to 01:30 AM	38.85	81.50	18.62	41.99	0.3012	ı	i	ı	-	1	-	1	Security Barrack (Graphite	North Side	Boundary wall
	07.02.2023	02:00 AM to 10:00 AM	32.58	76.05	15.52	35.60	0.3514	-	ı	1	-	-	-	-	Old Plant)		
	Average		39.98	82.24	18.62	41.08	0.3061	-	-	-	-	-	-	-			
	06.02.2023	09:30 AM to 05:30 PM	41.20	90.55	21.73	48.38	0.2769	-	-	-	-	-	-	-	At the east		
Н	06.02.2023 to 07.02.2023	06:00 PM to 02:00 AM	36.11	83.33	23.80	43.82	0.3248	1	1	ı	-	1	-	of L	of LWG 4 & 5 (Graphite	East Side	Boundary wall
	07.02.2023	02:30 AM to 10:30 AM	32.66	78.30	18.62	40.17	0.3671	-	-	1	-	-	-	-	Old Plant)		
	Average		36.66	84.06	21.38	44.12	0.3229	-	-	-	-	-	-	-			
	07.02.2023	10:30 AM to 06:30 PM	38.56	86.40	17.59	41.99	0.2878	ı	ı	ı	-	1	-	1	Near South		

I	07.02.2023 to 08.02.2023	07:00 PM to 03:00 AM	42.61	91.67	22.76	45.65	0.3306	-	-	-	-	-	-	-	side of Tunnel Kiln (Graphite	South Side	Boundary wall
	08.02.2023	03:30 AM to 11:30 AM	33.83	82.07	18.62	35.60	0.3751	-	-	-	-	-	-	-	Old Plant)		
	Average		38.33	86.71	19.66	41.08	0.3312	-	-	-	-	-	-	-			
	07.02.2023	11:00 AM to 07:00 PM	44.78	94.20	18.62	41.99	0.3017	BDL	BDL	BDL	40.1	BDL	BDL	BDL			
J	07.02.2023 to 08.02.2023	07:30 PM to 03:30 AM	48.87	98.47	22.76	46.56	0.3409	BDL	BDL	BDL	-	BDL	BDL	BDL	Graphite Old Plant	Center Location	West side of Shipping Unit # 2
	08.02.2023	04:00 AM to 12:00 Noon	35.09	83.15	15.52	37.43	0.3972	BDL	BDL	BDL	i	BDL	BDL	BDL			
	Average		42.91	91.94	18.97	41.99	0.3466	BDL	BDL	BDL	40.10	BDL	BDL	BDL			
	08.02.2023	12:00 Noon to 08:00 PM	47.26	89.36	23.80	44.73	0.3355	-	-	-	-	-	-	-			
K	08.02.2023 to 09.02.2023	08:30 PM to 04:30 AM	35.09	75.25	17.59	36.52	0.3721	-	-	-	-	-	-	-	Near Baking Furnace RH 16 Section	North Side	Boundary wall
	09.02.2023	05:00 AM to 01:00 PM	42.61	82.43	19.66	41.08	0.2892	-	-	-	-	-	-	-			
	Average		41.65	82.35	20.35	40.78	0.3323	-	-	-	-	-	-	-			
	08.02.2023	12:30 PM to 08:30 PM	39.80	81.20	21.73	44.73	0.3078	-	-	-	-	-	-	-			
L	08.02.2023 to 09.02.2023	09:00 PM to 05:00 AM	33.83	72.56	16.55	35.60	0.3591	1	1	1	-	-	-	-	Near RH- 24 (II)	South Side	Boundary wall
	09.02.2023	05:30 AM to 01:30 PM	36.34	79.35	19.66	40.17	0.2844	-	-	1	-	-	-	-			
	Average		36.66	77.70	19.31	40.17	0.3171	-	-	-	-	-	-	-			

For, Indicative Consultant India

Parbati Golui (Quality Manager) Signatory Authority

Checked By: A. Patra

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

Dist – Paschim Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Noise Level Monitoring.

For the month FEBRUARY - 2023

Sl. No.	Name of Locations	Parameter		Sampling Instrument Used	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1	EXTRUSION #1 Mixer Floor		09.02.2023 09:40 AM		82.6, 81.4, 83.2, 82.4, 81.6, 82.9, 83.0, 81.4, 82.2, 83.5	82.4						
2	EXTRUSION #1 Weigh Floor		09.02.2023 10:20 AM		80.4, 82.4, 81.6, 82.0, 82.9, 83.2, 81.4, 82.2, 81.5, 82.8	82.0						
3	EXTRUSION #1 Cooler Floor		09.02.2023 11:55 AM		80.6, 82.4, 81.6, 82.0, 81.2, 82.9, 81.8, 82.9, 83.2, 81.8	82.0						
4	EXTRUSION #1 Press Floor		09.02.2023 12:30 PM		80.2, 79.4, 81.4, 82.1, 79.9, 81.0, 82.0, 81.6, 82.1, 79.4	80.9						
5	EXTRUSION #2 Press Floor		10.02.2023 04:15 PM		82.0, 82.2, 81.9, 82.5, 81.0, 81.8, 82.4, 81.1, 81.5, 82.0	81.9						
6	EXTRUSION #2 14 Meter Floor		10.02.2023 04:50 PM		81.4, 82.6, 81.8, 82.4, 82.9, 81.5, 80.9, 81.4, 82.6, 82.0	82.0						
7	Baking RC Shop Floor		09.02.2023 02:00 PM		83.1, 81.2, 82.4, 83.1, 82.2, 81.6, 82.2, 82.9, 81.8, 80.8	82.1						
8	Baking RH- 14 Section Shop Floor		09.02.2023 01:00 PM		82.4, 81.6, 82.2, 81.8, 82.0, 81.6, 82.2, 82.7, 81.7, 80.8	81.9						
9	Baking RH- 16 Shop Floor		09.02.2023 02:35 PM		82.4, 81.6, 82.3, 82.0, 81.9, 82.4, 83.0, 81.8, 82.4, 82.6	82.2						
10	Baking RH- 24 (I) Section Shop Floor		09.02.2023 03:05 PM		82.4, 81.6, 81.8, 80.8, 82.0, 81.1, 82.0, 81.8, 82.1, 80.9	81.7						T. SUTRADHAR
11	Baking RH – 24 (II)		09.02.2023 04:10 PM		82.0, 81.6, 82.5, 81.6, 80.9, 80.8, 81.3, 82.2, 81.0, 81.9	81.6						
12	Baking Tunnel Kiln		09.02.2023 03:40 PM		82.3, 82.4, 81.5, 82.8, 81.9, 81.4, 82.3, 82.0, 82.6, 82.5	82.2						
13	Pitch Impregnation Unit # 2 Shop	Noise Level Monitoring	09.02.2023 04:40 PM	Annexure- I	83.5, 81.8, 82.4, 82.9, 82.3, 83.4, 82.5, 83.0, 82.8, 81.9	82.7	8 hrs.	Exposure	Annexure- I	3		
14	Pitch Impregnation Unit # 3 Shop		09.02.2023 05:10 PM		82.4, 83.0, 82.2, 81.9, 82.2, 81.6, 82.1, 82.4, 81.8, 82.0	82.2		Limit for Industrial workers				S. CHATTARAJ
15	Pitch Impregnation Unit # 4 Shop		10.02.2023 09:35 AM		81.1, 83.0, 80.6, 81.4, 81.6, 82.4, 81.9, 82.0, 81.6, 81.8	81.7		(8 hrs.) = 90 dB(A)				
16	LWG # 3 Shop		10.02.2023 10:10 AM		81.9, 82.4, 82.6, 82.9, 80.9, 81.6, 82.0, 82.6, 81.1, 82.3	82.0						

17	LWG #4 Shop	10.02.2023 10:40 AM	83.6, 82.6, 82.0, 81.9, 82.0, 81.7, 82.9, 83.0, 82.4, 83.8	82.6		
I IX	LWG Unit # 4 (Auto Dust Bagging Area)	10.02.2023 11:10 AM	79.4, 81.2, 78.8, 80.4, 77.8, 79.0, 81.9, 82.0, 79.4, 78.1	79.8		
19	LWG # 5 Shop	10.02.2023 11:50 AM	81.6, 82.4, 82.9, 82.0, 81.1, 80.9, 80.6, 80.9, 81.9, 82.0	81.6		
20	Finishing # 1 Shop Floor	10.02.2023 12:25 PM	82.0, 81.4, 81.9, 82.1, 83.0, 82.4, 81.6, 82.0, 81.9, 82.0	82.0		
21	Finishing #2 Shop Floor	10.02.2023 01:05 PM	81.6, 82.4, 81.9, 82.0, 81.4, 82.6, 82.4, 81.6, 82.0, 80.9	81.9		
22	Finishing #3 Shop Floor	10.02.2023 01:50 PM	81.4, 79.9, 80.8, 81.0, 79.9, 80.2, 81.1, 81.6, 82.3, 81.4	81.0		
	Graphite Acheson Shop	10.02.2023 02:20 PM	79.6, 80.1, 82.1, 79.4, 78.8, 79.1, 78.4, 79.9, 80.0, 82.2	80.0		
24	Graphite Fines Screening Shop	10.02.2023 02:55 PM	80.6, 81.9, 82.0, 81.8, 83.1, 82.9, 82.2, 80.6, 81.5, 82.2	81.9		
25	Core Sample Shed	10.02.2023 03:30 PM	81.2, 80.6, 81.1, 81.7, 81.5, 82.4, 80.2, 79.8, 81.1, 80.8	81.0		

For, INDICATIVE CONSULTANT INDIA

WORKZONE AIR MONITORING SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist – Paschim Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Workzone Air Monitoring.

For the month of FEBRUARY-2023

Sl. No.	Location / Operation	Identified Contaminant	Date of Monitoring	Sampling Instrument		oorne mination	TWA Concentration as given in 2nd	Reference Method		of workers the location onitored	Remarks	Signature of person taking	Name in block letters
110.	Monitoring	Contaminant	Withintoring	Used	No. of sample	Avg. mg/M3	Schedule (mg/M3)	Method	Continuous Exposure	Short term Exposure		Samples	letters
		SPM				1.084	10.0			-	Below PEL		T. SUTRADHAR
1	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.445	5.0	Annexure- I	3	-	-Do-		
	Press Floor	SO2				0.020	5.0			-	-Do-		S. CHATTARAJ
		NOx				0.044	6.0			-	-Do-		
		SPM				1.065	10.0			-	-Do-		T. SUTRADHAR
2	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.315	5.0	Annexure- I	3	•	-Do-		
	Weigh Floor	SO2	00.02.2023	Aimexure- i	3	0.020	5.0	Allilexule- I	3	-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0			-	-Do-		
		SPM				1.112	10.0			-	-Do-		T. SUTRADHAR
3	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.274	5.0	Annexure- I	3	-	-Do-		
	Mixer Floor	SO2	00.02.2023	7 timexure-1	3	0.019	5.0	7 timexure- 1	3	-	-Do-		S. CHATTARAJ
		NOx				0.038	6.0			-	-Do-		
		SPM				1.025	10.0			-	-Do-		T. SUTRADHAR
4	Extrusion #1	RPM	06.02.2023	Annexure- I	3	0.424	5.0	Annexure- I	3	-	-Do-		
•	Cooler Floor	SO2	00.02.2023	7 timexure 1	3	0.023	5.0	7 timexure 1	3	-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0			-	-Do-		
		SPM				0.906	10.0			-	-Do-		T. SUTRADHAR
5	Extrusion #2	RPM	07.02.2023	Annexure- I	3	0.332	5.0	Annexure- I	3	-	-Do-		
	Press Floor	SO2	07.02.2023	7 timexure 1	3	0.020	5.0	7 timexure 1	3	-	-Do-		S. CHATTARAJ
	Extrusion #2	NOx				0.040	6.0			-	-Do-		
		SPM				1.437	10.0			-	-Do-		T. SUTRADHAR
6		RPM	07.02.2023	Annexure- I	3	0.685	5.0	Annexure- I	3	-	-Do-		
		SO2	0,102.2023	1 Innontito 1		0.021	5.0	12mionare 1		-	-Do-		S. CHATTARAJ
		NOx				0.042	6.0			-	-Do-		

		SPM				1.470	10.0			-	-Do-	T.	SUTRADHAR
	Baking R-C	RPM				0.569	5.0	1		-	-Do-		
7	Shop	SO2	07.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	-	-Do-	S.	CHATTARAJ
		NOx				0.039	6.0			-	-Do-		
		SPM				2.379	10.0			-	-Do-	T.	SUTRADHAR
0	Baking RH 16	RPM	07.02.2022	Α Τ	2	0.868	5.0	1, ,	2	-	-Do-		
8	Shop Floor	SO2	07.02.2023	Annexure- I	3	0.018	5.0	Annexure- I	3	-	-Do-	S.	CHATTARAJ
		NOx				0.038	6.0			-	-Do-		
		SPM				1.985	10.0			-	-Do-	T.	SUTRADHAR
9	Baking RH 24	RPM	08.02.2023	Annexure- I	3	1.124	5.0	A I	3	-	-Do-		
9	(I) Shop Floor	SO2	08.02.2023	Annexure- 1	3	0.019	5.0	Annexure- I	3	-	-Do-	S.	CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
		SPM				2.554	10.0			-	-Do-	T.	SUTRADHAR
10	Baking Tunnel Kiln	RPM	08.02.2023	Annovino I	3	1.517	5.0	Annoviino I	3	-	-Do-		
10	Shop	SO2	06.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	1	-Do-	S.	CHATTARAJ
		NOx				0.043	6.0			-	-Do-		
		SPM				2.564	10.0			-	-Do-	T.	SUTRADHAR
11	Pitch Impregnation	RPM	08.02.2023	Annexure- I	3	1.211	5.0	Annexure- I	3	-	-Do-		
11	Unit # 2 Shop	SO2	00.02.2023	Amicaute-1	3	0.018	5.0	Aillicaure-1	3	1	-Do-	S.	CHATTARAJ
		NOx				0.042	6.0			-	-Do-		
		SPM				1.935	10.0			-	-Do-	T.	SUTRADHAR
12	Pitch Impregnation	RPM	08.02.2023	Annexure- I	3	0.918	5.0	Annexure- I	3	-	-Do-		
12	Unit # 3 Shop	SO2	00.02.2023	Amicaute-1	3	0.019	5.0	Aillicaure-1	3	-	-Do-	S.	CHATTARAJ
	•	NOx				0.040	6.0			-	-Do-		
		SPM				2.731	10.0			-	-Do-	T.	SUTRADHAR
13	Graphite	RPM	09.02.2023	Annexure- I	3	1.230	5.0	Annexure- I	3	-	-Do-		
13	Acheson Shop	SO2	07.02.2023	7 timexure- 1	3	0.020	5.0	7 Hillicxure- 1		-	-Do-	S.	CHATTARAJ
		NOx				0.042	6.0			-	-Do-		
		SPM				2.405	10.0			-	-Do-	T.	SUTRADHAR
14	LWG # 3 Shop	RPM	09.02.2023	Annexure- I	3	1.167	5.0	Annexure- I	3	-	-Do-		
17	EWG#35hop	SO2	07.02.2023	7 timexure- 1	3	0.020	5.0	7 Hillicxure- 1		-	-Do-	S.	CHATTARAJ
		NOx				0.038	6.0			-	-Do-		
		SPM				1.874	10.0			-	-Do-	T.	SUTRADHAR
15	LWG # 4 Shop	RPM	09.02.2023	Annexure- I	3	0.748	5.0	Annexure- I	3	-	-Do-		
13		SO2	07.02.2023	1 timexuic- I	3	0.018	5.0	7 timexure- 1	,	-	-Do-	S.	CHATTARAJ
		NOx				0.040	6.0			-	-Do-		

		SPM				1.462	10.0			-	-Do-	T. S	SUTRADHAR
1.0		RPM			2	0.586	5.0	1		-	-Do-		
16	LWG # 5 Shop	SO2	09.02.2023	Annexure- I	3	0.020	5.0	Annexure- I	3	-	-Do-	S. 0	CHATTARAJ
		NOx				0.044	6.0			-	-Do-		
		SPM				2.190	10.0			-	-Do-	T. S	SUTRADHAR
17	Finishing # 1	RPM	10.02.2022	A	3	1.145	5.0	A T	3	-	-Do-		
1 /	Shop Floor	SO2	10.02.2023	Annexure- I	3	0.018	5.0	Annexure- I	3	-	-Do-	S. 0	CHATTARAJ
		NOx				0.039	6.0			-	-Do-		
		SPM				2.276	10.0			-	-Do-	T. S	SUTRADHAR
18	Finishing # 2	RPM	10.02.2023	Annexure- I	3	1.461	5.0	Annexure- I	3	-	-Do-		
10	Shop Floor	SO2	10.02.2023	Ailliexule- I	3	0.023	5.0	Ailliexule- I	3	-	-Do-	S. 0	CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
		SPM				2.599	10.0			-	-Do-		SUTRADHAR
19	Finishing # 3	RPM	10.02.2023	Annexure- I	3	1.240	5.0	Annexure- I	3	-	-Do-		
19	Shop Floor	SO2	10.02.2023	Ailliexule- I		0.019	5.0			-	-Do-		CHATTARAJ
		NOx				0.037	6.0			-	-Do-		
	Graphite Fines Screening Shop	SPM			3	2.934	10.0	Annexure- I		-	-Do-	T. S	SUTRADHAR
20		RPM	10.02.2023	Annexure- I		1.611	5.0		3	-	-Do-		
20		SO2	10.02.2023			0.020	5.0		3	-	-Do-		CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
		SPM	11.02.2023			1.163	10.0	Annexure- I		-	-Do-		SUTRADHAR
21	Canteen	RPM		Annexure- I	3	0.660	5.0		ure- I 3	-	-Do-		
21	(Kitchen Area)	SO2		7 timexure- 1		0.018	5.0			-	-Do-		CHATTARAJ
		NOx				0.041	6.0			-	-Do-		
		SPM	11.02.2023			1.298	10.0			-	-Do-	T. SUTRADHA S. CHATTARA	SUTRADHAR
22	RH-24 (II)	RPM		Annexure- I	3	0.760	5.0	Annexure- I	3	-	-Do-		
		SO2				0.021	5.0			-	-Do-		CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
		SPM				2.514	10.0			-	-Do-	T. S	SUTRADHAR
23	P1 Unit #4	RPM	11.02.2023	Annexure- I	3	1.313	5.0	Annexure- I	ure- I 3	-	-Do-	S. CHATTAR.	
23		SO2				0.019	5.0			-	-Do-		CHATTARAJ
		NOx				0.040	6.0			-	-Do-		
	LWG Unit-4	SPM				3.841	10.0			-	-Do-	T. S	SUTRADHAR
24	Auto Dust Bagging Area	RPM	11.02.2023	Annexure- I	3	1.900	5.0	Annexure- I	are- I 3	-	-Do-	S. CHATTARAJ	
	(During	SO2	11.02.2023	1 Illioadic- 1	,	0.020	5.0	7 IIIIIOAGIO- I		-	-Do-		CHATTARAJ
	Bagging)	NOx				0.045	6.0			-	-Do-		

		SPM		Annexure- I	I 3	3.273	10.0			-	-Do-	T. SUTRADHAR
25	Store Shop Floor	RPM	13.02.2023			2.181	5.0	Annexure- I	3	-	-Do-	
23		SO2	13.02.2023			0.020	5.0	Allilexule- I	3		-Do-	S. CHATTARAJ
		NOx				0.040	6.0				-Do-	
	Maintanance Shop Floor	SPM			3	3.246	10.0			-	-Do-	T. SUTRADHAR
26		RPM	13.02.2023	Annexure- I		1.921	5.0	Annexure- I	3	•	-Do-	
20		SO2	13.02.2023	Allilexule- I		0.020	5.0		3	•	-Do-	S. CHATTARAJ
		NOx				0.040	6.0			-	-Do-	
	LWG # 5	SPM			3	3.847	1.0		I 2	-	-Do-	T. SUTRADHAR
27	Auto Dust Bagging Area (During	RPM	13.02.2023	Annexure- I		2.404	5.0	A aviii I		-	-Do-	
21		SO2	13.02.2023			0.019	5.0	Annexure- I	3	-	-Do-	S. CHATTARAJ
	Bagging)	NOx				0.039	6.0			-	-Do-	

 $\#\,PEL-Permissible\;Exposure\;Limit.$

For, INDICATIVE CONSULTANT INDIA

WORKZONE AIR MONITORING SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist – Burdwan, Durgapur, PIN - 713 211, (West Bengal)

Register Containing Particulars for Workzone Air Monitoring.

For the month of FEBRUARY'2023

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act :2nd Schedule (mg/m³)	Sampling Instrument used and Reference method	Remarks	Signature	Name in block letters
		Methyl Alcohol		32.5	260		Below PEL		A.
		Ethyl Alcohol	07.02.2023	<0.1	1900		-Do-		BHATTACHARYA
1	RC – 1 Baking Furnace Shop	Formic Acid		< 0.05	9	Annexure- I	-Do-		
		Benzene		Nil	20	1	-Do-		S. CHATTARAJ
		Toluene		50	375]	-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
	D : 1 H 24 (5 () :	Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
2	Reid Hammer 24 (I) Section Shop	Formic Acid	11.02.2023	< 0.05	9	Annexure- I	-Do-		
	эпор	Benzene		< 0.05	20	1	-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol	08.02.2023	<0.1	260	Annexure- I	-Do-		A.
	Baking Tunnel Kiln Shop	Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
3		Formic Acid		< 0.05	9		-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol	08.02.2023	<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900	Annexure- I	-Do-		BHATTACHARYA
4	P.I. Unit – 2 Shop	Formic Acid		< 0.05	9		-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol	<0.1	<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900		-Do-		BHATTACHARYA
5	Acheson Furnace Shop	Formic Acid	09.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20	1	-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		
		Methyl Alcohol		<0.1	260		-Do-		A.
		Ethyl Alcohol		<0.1	1900	1	-Do-		BHATTACHARYA
6	LWG – 4 Shop	Formic Acid	09.02.2023	< 0.05	9	Annexure- I	-Do-		
		Benzene		< 0.05	20		-Do-		S. CHATTARAJ
		Toluene		< 0.05	375		-Do-		

For, INDICATIVE CONSULTANT INDIA

STATEMENT OF EFFLUENT DETAILS FOR THE YEAR - JAN, FEB. & MAR.' 2023

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

SL. NO.	Location	Sampling Date	Sampling Time	Parameters	Result
				pH (at 20°C)	6.96
				TSS	38.0
	Near LWG # 4 Outlet	03.01.2023	3:15 PM	COD	161.9
				BOD	28.0
				Oil & Grease	4.9
				pH (at 20°C)	7.35
	Collected Treated Water from			TSS	29.0
1	Common Waste Water Recycling Unit of Outfall LWG	02.02.2023	11:00 AM	COD	46.7
	# 4 & Old Weigh Bridge			BOD	8.17
				Oil & Grease	2.7
				pH (at 22°C)	7.18
	Collected Treated Water from			TSS	33.0
	Common Waste Water Recycling Unit of Outfall LWG	04.03.2023	10:10 AM	COD	40.4
	# 4 & Old Weigh Bridge			BOD	8.44
				Oil & Grease	2.8
				pH (at 20°C)	7.51
	Near Old Weigh Bridge Outlet	03.01.2023		TSS	21.0
			3:50 PM	COD	28.8
				BOD	5.61
				Oil & Grease	2.1
	Collected Untreated Water from Common Waste Water Recycling Unit of Outfall LWG # & Old Weigh Bridge	02.02.2023		pH (at 20°C)	6.86
				TSS	51.0
2			11:15 AM	COD	112.1
				BOD	20.0
				Oil & Grease	4.2
				pH (at 22°C)	6.97
	Collected Untreated Water from Common Waste Water			TSS	48.0
	Recycling Unit of Outfall LWG	04.03.2023	10:20 AM	COD	90.9
	# & Old Weigh Bridge			BOD	21.0
				Oil & Grease	4.5
				pH (at 20°C)	7.63
			<u> </u>	TSS	25.0
		03.01.2023	4:10 PM	COD	38.5
			<u> </u>	BOD	7.12
				Oil & Grease	2.2
				pH (at 20°C)	6.93
			[TSS	49.0
3	Extrusion #2 ETP Outlet	02.02.2023	12:05 PM	COD	102.8

			[BOD	19.0
				Oil & Grease	4.3
				pH (at 22°C)	6.89
				TSS	51.0
		04.03.2023	9:30 AM	COD	121.2
			BOD	24.0	
				Oil & Grease	4.1

Checked By: A. Patra

For, Indicative Consultant India

Parbati Golui (Quality Manager) Signatory Authority

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

Dist – Burdwan, Durgapur, PIN - 713 211, (West Bengal)

For the Month of FEB.'2023

Sampling Date: 13.02.2023 to 14.02.2023

Noise Level Leq. dB(A)

	LOCATIONS:			DAY TIME dB(A)			
	LOCATIONS.		Lmax.	Lmin.	Leq		
1	NORTH BOUNDARY WALL –NEAR MANDIR	60.36	62.00	58.10	60.32		
2	NORTH BOUNDARY WALL –NEAR SECURITY BARRACK	67.02	68.40	65.90	60.71		
3	NORTH BOUNDARY WALL –BACK OF LWG # 3	66.37	68.00	64.80	59.54		
4	CENTRE OF THE PLANT (NEAR PI UNIT # 1)	66.01	67.20	64.70	60.74		
5	EAST BOUNDARY WALL - NEAR LWG # 4	66.74	68.30	65.30	60.71		
6	WEST BOUNDARY WALL - NEAR PERSONAL OFFICE	64.58	66.20	62.70	60.19		
7	SOUTH BOUNDARY WALL –NEAR FINISHIG UNIT # 3	64.79	66.80	63.60	60.17		
8	SOUTH BOUNDARY WALL –BACK OF OLD STORE	64.49	66.10	62.90	60.76		
9	SOUTH BOUNDARY WALL –BACK OF CANTEEN BUILDING	65.15	66.40	63.80	60.00		
10	EXTRUSION # 2 AREA (NORTH BOUNDARY WALL)	67.63	69.40	65.80	60.02		
11	EXTRUSION # 2 AREA (EAST BOUNDARY WALL)	66.67	68.20	64.60	59.59		
12	EXTRUSION # 2 AREA (SOUTH BOUNDARY WALL)	66.65	68.20	65.80	60.13		
13	EXTRUSION # 2 AREA (WEST BOUNDARY WALL)	66.06	67.20	64.40	59.86		
14	EXTRUSION # 2 CENTRE OF THE PLANT –NEAR NEW WEIGH BRIDGE	65.79	67.40	64.10	59.26		

For, Indicative Consultant Ir

Checked By: A. Patra

Parbati Golui (Quality Manager) Signatory Authority

HT TIME d	B(A)
Lmax.	Lmin.
62.00	57.40
62.60	58.60
61.10	57.40
62.20	58.80
62.20	58.80
61.20	58.90
62.60	58.80
62.40	58.90
61.20	58.70
62.40	57.60
61.40	57.90
62.00	58.70
61.20	57.60
60.20	57.60



GRAPHITE INDIA LIMITED

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

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



April 13,2023

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 2023 & Effluent monitoring in Jan 2023. Since no waste water is discharged outside, Feb 2023 & March 2023 Effluent report is for the two combined outfall (i.e LWG#4 & Old weigh Bridge) recycled untreated and treated water 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 Vice President (Works)

C. 52

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

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

Monitoring Photographs

Noise Monitoring

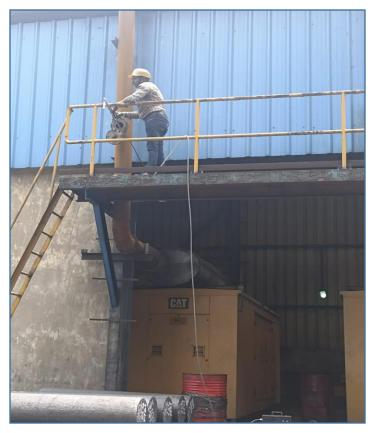






Stack Monitoring





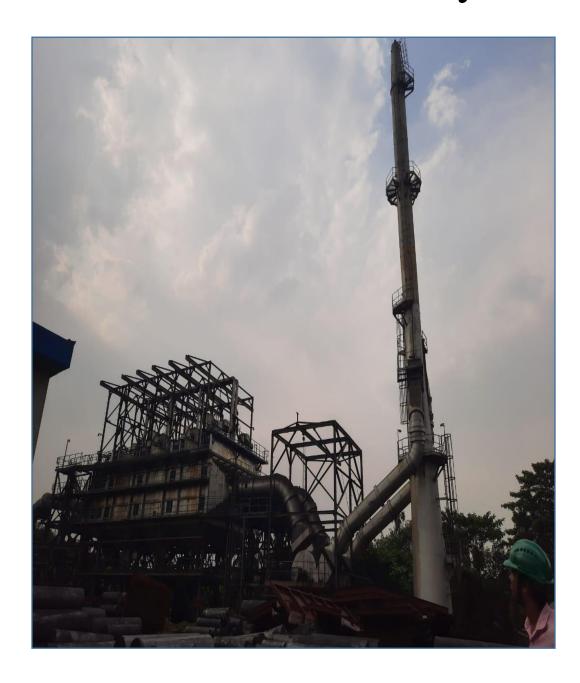


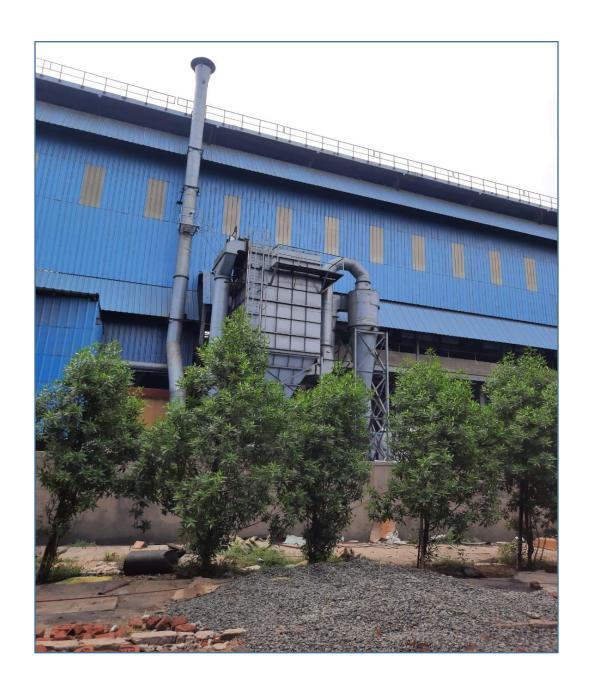
Work Zone Monitoring





Air Pollution Control System





Greenbelt







Health Checkup Photographs

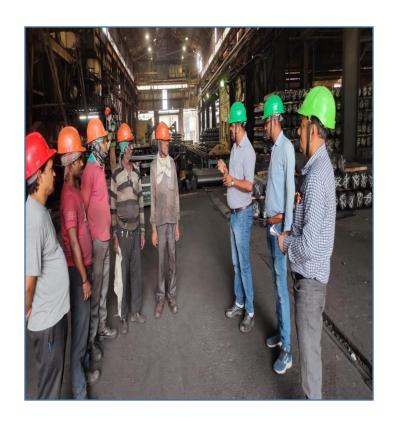


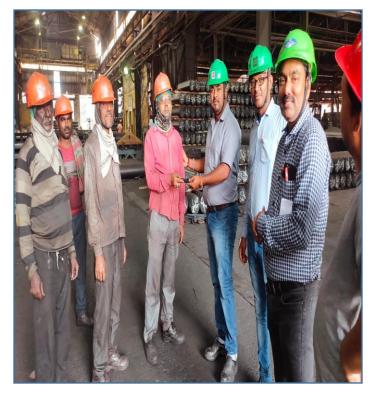






Training photographs



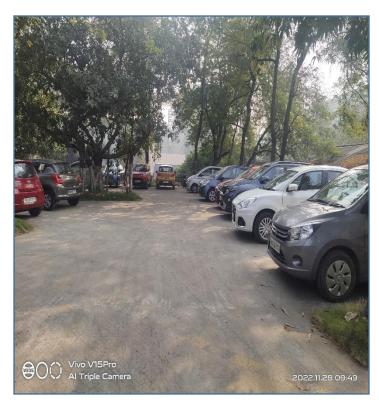




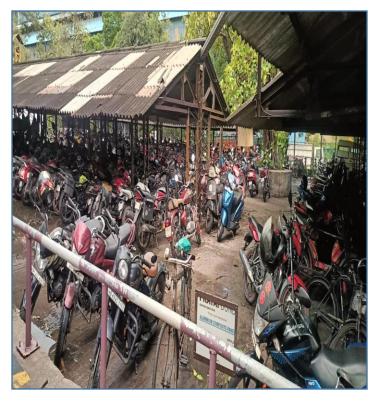


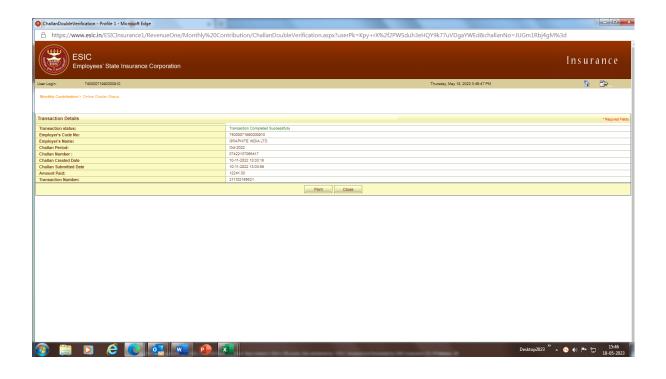
Parking Photographs

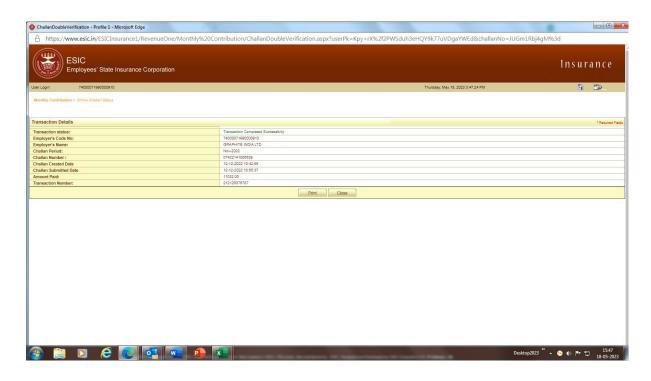


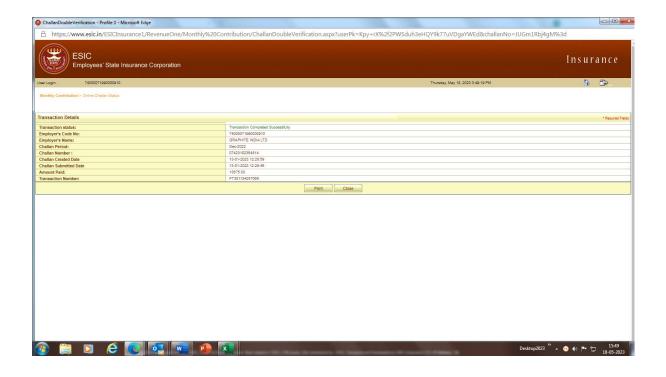


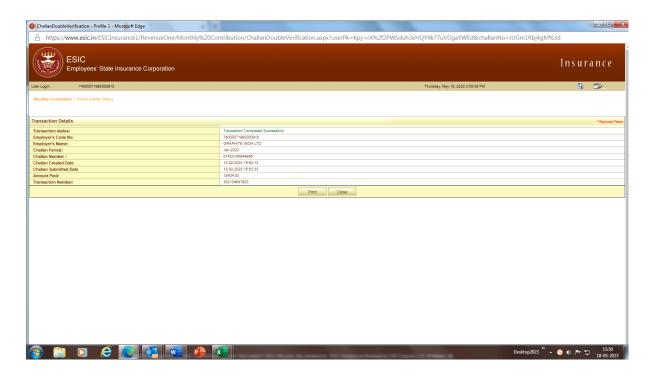


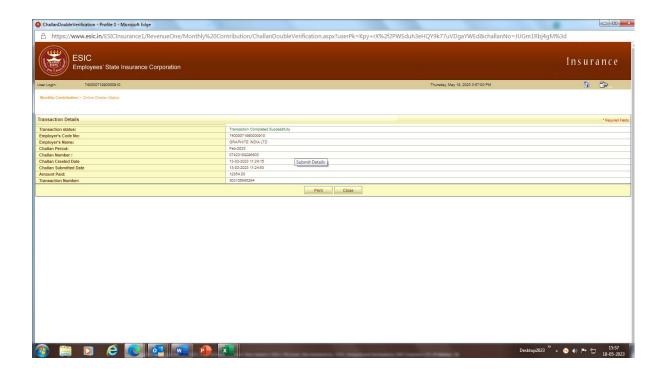


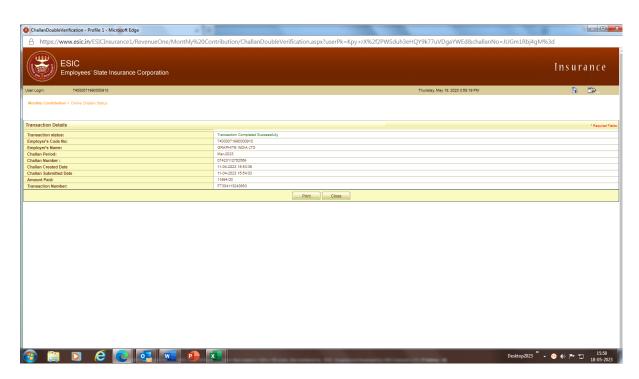












20 KLD Kitchen Waste Water STP





REGD. & H.O.: 31, CHOWRINGHEE ROAD, KOLKATA - 700 016, W.B., INDIA PHONE: 91 33 4002 9600, 2226 5755 / 4942 / 4943 / 5547 / 2334, 2217 1145 / 1146

FAX: 91 33 2249 6420, E-mail: gilro@graphiteindia.com WEBSITE: www.graphiteindia.com, CIN: L10101WB1974PLC094602

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
- h) Maintaining the policy as a documented information and effectively communicating it to all persons working for or on behalf of company and making it available to all relevant interested parties on request.
- i) Responsibility in this regard lies with "Manager" in each of the locations.

DATE: 01.04.2020

A. DIXIT
EXECUTIVE DIRECTOR

নোটিস

এতোদ্বারা জনসাধারণকে জানানো যাইতেছে যে স্টেট এনভায়রনমেন্ট ইমপ্যাক্ট অ্যাসেসমেন্ট অথরিটি (SEIAA), পশ্চিমবঙ্গ, মৌজা গোপিনাথপুর জেলা পশ্চিম বর্ধমান, পশ্চিমবঙ্গ JL নং ৮৫ এবং মৌজা নডিয়া JL নং 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 ছাড়পত্র জারি করেছে ১০.৩.২০২৩ তারিখে। SEIAA দ্বারা জারি করা পরিবেশগত ছাড়পত্র SEIAA, পশ্চিমবঙ্গের অফিসিয়াল ওয়েবসাইটে এবং পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পার্সদ এর সাথে উপলব্ধ। গাভাইট ইন্ডিয়া লিমিটেড,

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NOTICE

This is for the information to all General Public, Bank and **Financial Institution** that my clients Biswajit Mazumder, S/o Late Badal Chandra Mazumder, resident at, Alamganj, Mota Shiv Tala, P.O. Natunganj, within P.S. Burdwan, Dist-Purba Barddhaman & Asim Kumar Bardhan, S/o Late Anil Kumar Bardhan, resident at-Tejganj School Para, P.O.- Natunganj, within P.S.- Burdwan, Dist-Purba Barddhaman, do hereby declare that Original Chain Deed of Chain Deed (Sale) being No. 2651 dated 23.03.2006, registered A.D.S.R Burdwanin connection with the Schedule mentioned Property has been lost from my clients custody and one General Missing Diary have been lodged regarding loss of aforesaid Original Chain Deed of Chain Deed (Sale) before the I.C. Burdwan P.S., Purba Barddhaman, G.D. Entry No.: 1282 dated 13.03.2023. and as such If that the Original Chain Deed of Chain Deed (Sale) being No, 2651 dated 23.03.2006, registered A.D.S.R Burdwanis under Charge Vivo V15Pro Bank or Financial

Al Triple Camera

Burdwan Municipality, ward No. 22, Mouza: Alamganj, J.L. No. 31, L.R.Khatian No. 3880 & 3976, R.S. Plot No. 203 & L.R. Plot No.630, Class: Chira Mill, Area: 2880Sq. Ft.

> Kripa Sankar Mondal Advocate

District Judges Court, Burdwan Bar Association Room No. 07, (Rashbihari

Kashya)
Phone No.: 8348761945/

9064544734 This is to inform the public that State Environment Impact Assessment Authority (SEIAA), West Bengal has issued Environmental Clearance to M/s Graphite India Limited, Sagarbhanga, Durgapur for Proposed Expansion of Capacity from 52KTPA to 67KTPA, Vide EC Identification No EC23B020WB141674 Dt: 10.03.2023 located at plots of Mouza Gopinathpur JL no. 85 & at plots of Mouza Nadia JL no. 92, District Paschim Burdhaman. West Bengal. The Environmental clearance issued by SEIAA is available on the official website of SEIAA, WR and the same is available with WBPCB.

M/s Graphite India Limited, Sagarbhanga, Durgapur-713211

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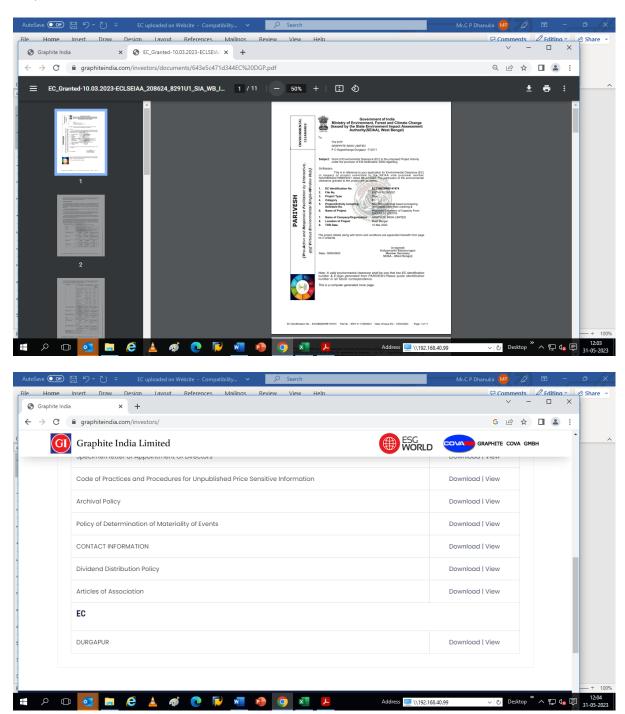
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https://graphiteindia.com/investors/documents/643e5c471d344EC%20DGP.pdf

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





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

Dt: 13.03.2023

To, The Office of the Sabhadhipati, Paschim Bardhaman Zilla Parishad, Govt. of West Bengal.

Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From S2KTPA to 67 KTPA

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

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are summiting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

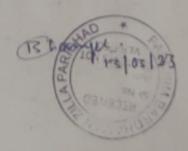
Yours Faithfully,

For Graphite India Limited.

Ranadeep enakraborty

Vice President (Works)

Enclosed - As above



07

1



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

Dt: 13.03.2023

To,
The Office of Additional District Magistrate (LR),
Paschim Bardhaman,
Govt. of West Bengal.

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

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

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are summiting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Vic

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

Received
but Contents are not verified
B. Chakerubanty
13/03/23
Receiving Clerk
DL&LRO, Paschim Barchaman

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



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

Dt: 13.03.2023

To, The Office of District Magistrate, Paschim Bardhaman, Govt. of West Bengal.

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

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

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are summiting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above



Website: www graphiteindia.com

REGISTERED OFFICE & H.O.: 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN - L10101WB1974PLC094802 Phone: - +91-33-40029600 Fax: +91-33-40029676 E-Mail: gifro@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

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

Dear Sir,

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty

Vice President (Works)

Enclosed - As above

Racerved Mc. 327 dt.13/03/23

RECEIVED WITHOUT VERIFICATION

Tihun Pc Receiving Staff

Block Development Office Durgapur Faridpur

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



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



Dt: 13.03.2023

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

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

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

Dear Sir,

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

0.37



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

Dt: 13.03.2023

To,
The Office of the Sub-Divisional Officer,
Durgapur Sub-Division,
Paschim Bardhaman,
Govt. of West Bengai.

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

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

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Kindly acknowledge and oblige.

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

SDO Office Surgapur

0.10



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

Dt: 13.03.2023

To,
The Office of the General Manager,
District Industries Center,
Paschim Bardhaman,
Govt. of West Bengal.

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

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

Dear Sir,

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty

Vice President (Works)

Enclosed - As above

13-3 -2027

Received (Contents not Verified)

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

Durgapur, Govt. of West Bengal

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

CIN - L10101WB1974PLC094602 Phone: - *91-33-40029500 Fax: *91-33-40029676 E-Mail: giro@graphiteindia.com

Website: www.graphiteindia.com



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

Dt: 13.03.2023

To, commissioner '

The Office of the Durgapur Municipal Corporation, Paschim Bardhaman, Govt. of West Bengal.

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

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

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





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

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



Dt: 27.09.2022

Sub: "Environmental Statement" of M/s. Graphite India Limited, Durgapur 713211, W.B., for the financial year, ending 31st March, 2022 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 (Vice President Works)

Encl: Environmental Statement

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

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

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

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