



SBPIL/BORJHARA/ENV/23-24/ 1282

Date: 25.12.2023

To,  
The Regional Officer,  
Integrated Regional Office,  
Ministry of Environment, Forests and Climate Change  
Ground Floor, Aranya Bhawan, North Block, Sector- 19,  
Naya Raipur, Atal Nagar, Chhattisgarh - 492002.

Sub: Submission of Six-Monthly Compliance Report for the period April'23 to September'23.

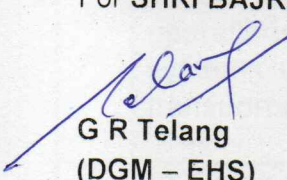
Ref: 1. Environmental Clearance No. J-11015/159/2009-IA II (M) dated 28.01.2010, from Govt. of India, Ministry of Environment Forest & Climate change, for Coal Washery (1.2 MTPA) and Hot- Re-Rolling Mill (0.12 MTPA) and subsequent Corrigendum letter date 26.08.2013 issued from MoEF&CC for Coal Washery (1.2 MTPA) and 0.15 MTPA of M/s Shri Bajrang Power & Ispat Limited, Village-Borjhara, Urla Industrial area, Raipur (C.G.)

Dear Sir,

With reference to above cited subject, please find enclosed herewith Six Monthly Compliance Report for the period **April'23 to September'23** along with all the supporting documents as required by your good office in compliance of Environmental Clearance granted by Ministry of Environment & Forest & Climate Change (MoEF&CC), New Delhi, vide their letter **No. J-11015/159/2009-IA II (M) dated 28.01.2010**, for Coal Washery Plant (1.2 MTPA of Raw coal) and Hot Re-Rolling Mill Plant (0.12 MTPA) and subsequent Corrigendum letter dtd 13.08.2013 issued from MoEF&CC for Coal Washery (1.2 MTPA of Raw coal) and 0.15 MTPA Hot Re-rolling Mill situated in M/s Shri Bajrang Power & Ispat Ltd, Village- Borjhara, Urla Industrial area, Raipur (C.G.)

Hope, you will find the above in order.

Thanking you,  
For **SHRI BAJRANG POWER & ISPAT LTD. (Borjhara Division)**

  
G R Telang  
(DGM - EHS)

Encl: As Mentioned Above

- CC- 1. Regional Officer, Chhattisgarh Environment Conservation Board, Kabir Nagar, Raipur (CG)  
2. Member Secretary, Chhattisgarh Environment Conservation Board, North Block, Sector - 19, Atal Nagar Raipur Chhattisgarh.

CIN No. : U27106CT2002PLC015184

Regd. Office / Works : Vill. Borjhara, Urla-Guma Road, Urla Growth Center, Raipur 492003 (C.G.)

Ph. : +91-771-4288019 / 29 / 39, Fax : +91-771-4288123

E-mail : info.bjr@goelgroup.co.in, commercial.bjr@goelgroup.co.in

COMPLIANCE REPORT OF SPECIFIC & GENERAL CONDITIONS OF THE ENVIRONMENT CLEARANCE GRANTED BY MINISTRY OF ENVIRONMENT AND FOREST, NEW DELHI FOR COAL WASHERY PROJECT (1.2 MTPA OF RAW COAL) AND 0.12 MTPA HOT RE-ROLLING MILL BY M/S SHRI BAJRANG POWER & ISPAT LTD, LOCATED IN VILLAGE BORJHARA NEAR URLA INDUSTRIAL AREA, DISTRICT RAIPUR, CHHATTISGARH.

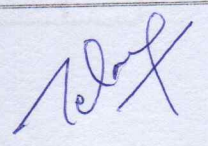
**(Note: Our Coal Washery plant is non – Operational Since 01.04.2019.)**

Ref: F. No.J-11015/159/2009-IA II (M) dated 28.01.2010 and subsequent Corrigendum letter date 26.08.2013 of same EC for Coal Washery Project (1.2 MTPA of Raw Coal ) and 0.15 MTPA Hot Re-rolling Mill.

A. SPECIFIC CONDITIONS STATUS: (As on 30/09/2023)

Sr. No	Description	Status as on 30.09.2023
1.	The company shall prepare and implement a Plan for transportation of raw coal by Rail mode only up to Raipur Railway Siding and by road thereafter up to the washery.	Raw Material transporting system has been implemented as per plan.
2.	All approach roads shall be black topped and a 3-tier avenue plantation developed alongside the roads. Avenue plantation (3-tier) shall also be developed along the 4 km stretch of the SH used for transportation of raw coal from Raipur Railway Siding to the Washery.	All the approach roads are RCC and avenue plantation developed alongside the roads. <b>Photographs enclosed as Annexure - I</b>
3.	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site(s) within sheds/stockyards fitted with breakers/shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.	The raw coal, washed coal and coal wastes (rejects) are being stacked properly at their designated place with proper covered sheds. We have taken fire safety measures to ensure that the stored minerals will not catch fire.
4.	Hoppers of the coal crushing unit at the crushing shed and washery unit shall be fitted with high efficiency bag filters/ dust extractors and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of belt conveyor systems which shall be closed and from transportation roads.	The installed Jigging machine has inbuilt dust control system to control dust emission from screens, vibrator, all transfer points & junction points. Bag filter are also installed to control the dust emission during the process. All the conveying systems are covered and fitted with mist water spray system and these are working effectively all the time and controlling the dust emission.
5.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coal mines shall be created within the Unit.	All the internal roads are RCC and same are being cleaned by mechanical sweeping machine and water sprinkling on it on regular basis as a good housekeeping practice. <b>Photographs enclosed as Annexure- II.</b> Avenue plantation has been developed along the roads. Sufficient parking facility has been provided for the vehicles.

6.	The Washery unit-cum Re-Rolling Mill shall be a zero-discharge facility and no wastewater shall be discharged from the washery-cum-Mill into the drains/natural watercourses. Recycled water shall be used for development and maintenance of green belt and in the Plant Operations.	Coal washery is a dry separation process, hence no water required in any stage of the process therefore neither generation of waste water nor discharge of industrial effluent. Recycled water of Re-Rolling mill is being used for plantation and dust suppression purpose.
7.	The entire generation of Miss-Roll and End Cuts shall be utilized in the linked Steel Melting Shop as raw material. The jiggling machine shall be provided with inbuilt dust control system and also with a bag filter.	Generated Miss-Roll and end cutting of Rolling Mill are being used in our existing steel melting shop, situated in same campus. The installed Jiggling machine has inbuilt dust control system with bag filter.
8.	The entire coal waste rejects shall be utilized in the linked CFBC based TPP located at a distance of about 4 km from the unit.	Generated coal waste (rejects) are being consumed in our own AFBC Boiler (coal-based power plant) of M/s SBPIL, Gondwara unit, situated at a distance of about 4 km from the unit.
9.	No ground water shall be used for the plant operations. The unit shall adopt rainwater harvesting measures within the premises.	We are using surface water for plant operation for which we have granted 1.5 Million Meter Cube water per year drawl permission from Karun River by Chhattisgarh Government, Water Resource Department, Mantralaya, Raipur (C.G.) Vide their letter No. 5010/302/WR/TECH/03/IWS/D-4 dated- 26/10/2004. Ground water is not being used in any plant operation. Moreover, Coal washery is dry separation process, hence no water required in any stage of the process. There are 5 nos. Rain Water Harvesting Pits have been constructed inside the plant premises. In which 5 nos. injection wells for recharging of both surface runoff and roof top water. <b>Photographs enclosed as Annexure- III.</b>
10.	Industrial wastewater (workshop and wastewater from the washery-cum Re-Rolling Unit) shall be properly collected, treated in an ETP so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap shall be installed for treatment of workshop effluents. No wastewater shall be discharged from the washery into the drains / natural watercourses.	No generation of waste water from Coal washery, as it is dry separation process. For Re- Rolling Mill & workshop's discharged water, settling tank with oil & grease trap has been installed and clear water is being used for plantation and dust suppression purposes. No waste water is being discharged into drains/natural water courses.



11.	The Washery unit shall be a dry facility only and no change in the technology shall be permitted without prior approval of this Ministry.	Washery unit is a dry facility and there will be no change in the technology without prior approval of MoEF&CC.
12.	Green belt shall be developed along the areas such as the washery unit, crushing unit, and stockyards.	Green belt and extensive plantation has been developed along the washery unit, crushing unit, and stockyards under common plantation for all unit.
13.	Vehicles used to transport raw coal to the washery shall be optimally loaded and covered with tarpaulin.	Vehicles are being used for transportation are optimally loaded and also tarpaulin covered.
14.	Socio-economic and welfare measures for the local communities for the villages-Bendri, Urla, Birgaon, Sarora, Accholi and Guma around the Washery unit shall be implemented under CSR and shall be not less than Rs. 20 lakhs per annum.	Washery unit is situated in same campus of SBPIL Borjhara unit with other plants. Under group's common CSR activities, we are covering Socio-economic and welfare measures for the local communities for the nearby villages of all units.
15.	An amount of not less than Rs. 455 lakhs shall be utilized for environmental measures as capital costs and Rs. 107 lakhs as revenue costs in the Washery – cum Re-Rolling Plant.	Coal Washery and Re-Rolling Mill plant are situated in same campus of SBPIL Borjhara unit, with other plants, hence environmental measures for all plants are being taken care.
16.	Ash and Heavy metal content in raw coal, and washed coal shall be analyzed twice in a year and records maintained thereof.	Ash and Heavy metal content in raw coal and washed coal are being analyzed and records are being maintained.
17.	Adequate pollution control measures shall be provided to control the gaseous emissions when furnace oil is used in the reheating furnace before discharging to open atmosphere through recuperator. In addition, chimney of adequate height shall be provided. Proper ventilation shall be provided to Rolling Mill area.	No Re heating furnace are installed at Rolling Mill, as we have adopted Direct Hot Rolling Technique, invented by us, which is environment friendly as well as energy efficient also. Since there is no fuel consumption, hence zero emission from process. However, stack height of Bag Filter of coal Washery is as per norms. Proper ventilations are provided on Rolling Mill Area.
18.	The water used for cooler quenching shall be collected in a pit cooled, treated for oil and grease and recycled/reused for further quenching. No wastewater shall be discharged outside the premises.	In Re- Rolling Mill water is being used for cooling purpose, in re circulating manner. For Rolling Mill & workshop's discharged water treatment, a settling tank with oil & grease trap has been installed and clear water is being used for plantation and dust suppression purposes. No wastewater is being discharged outside the premises.
19.	Proper housekeeping shall be ensures and all the raw materials including sludge and oily waste shall be stored separately in designated place only. Scrap shall be	Good housekeeping practice is being adopted & all the Raw materials and generated waste materials are being stored and kept separately in their

	recycled into the subsequent batches of melting. All the other solid wastes including mill scale shall be properly utilized or disposed off in an environmentally friendly manner. Waste oil and oil sludge shall be disposed off to registered recyclers/re-processors only.	designated places. Scrap is being recycled. Other generated solid wastes are being properly utilized or disposed off in an environmentally friendly manner. Mill scale is being used in Ferro Alloys as raw material. Waste oil is being used for lubrication and oil sludge is disposed off to registered recyclers/ re-processors.
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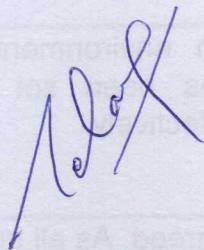
**B. GENERAL CONDITIONS STATUS (AS ON 30/09/2023)**

Sr. No	Description	Remarks
1.	No change in technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	Agreed and there will be no change in technology without prior approval of MoEFCC.
2.	No change in the calendar plan for washing the quantum of mineral coal and waste produced shall be made.	Agreed and being followed.
3.	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring PM 10 and PM 2.5, SO <sub>2</sub> , NO <sub>x</sub> and heavy metals such as Hg, Pb, As, Cr, etc. Location of the stations shall be decided based on the meteorological data, geographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	As Coal Washery and Re Rolling Mill are situated inside the same campus of Borjhara unit, with others units, hence Ambient Air Quality Monitoring Stations are common for all the units. Monitoring of all described parameters are being monitored by outside authorized agency.
4.	Fugitive dust emissions (PM <sub>10</sub> and PM 2.5 and heavy metals such as Hg, Pb, As, Cr, etc) from all the sources shall be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points shall be provided and properly maintained.	Fugitive dust emission is being controlled well within the norms and is being regularly monitored by outside authorized agency and record is being maintained. Mist water spray system, permanent & movable water sprinklers are installed at different locations and same are being operated and properly maintained. We have constructed wheel wash system at near main gate for controlling of fugitive dust generated from vehicle movements. Fugitive Monitoring Report enclosed as <b>Annexure - IV</b>
5.	Periodic monitoring report with data on ambient air quality (PM 10 and PM 2.5, SO <sub>2</sub> , NO <sub>x</sub> and heavy metals such as Hg, Pb, As, Cr, etc.) shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State	As all units are situated inside the same campus of SBPIL Borjhara unit, hence Ambient Air Quality Monitoring Stations are common for all the units. Ambient Air Quality is being Monitored by outside authorized agency and

	Pollution Control Board and the Central Pollution Control Board once in six months.	same are being submitted to the Ministry including its Regional Office, to the State Pollution Control Board and the Central Pollution Control Board once in six months. Report enclosed as <b>Annexure – V</b>
6.	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with ear plugs/muffs.	Noise level is being maintained well within the norms. Personal safety equipment like ear plug/muffs are also being provided for noise prone area employees. Monitoring Report Enclosed as <b>Annexure – VI.</b>
7.	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.	Vehicular emissions is being controlled by regular cleaning and water sprinkling on vehicle movements area /roads. Vehicles are being used for transportation of minerals are optimum loaded and also tarpaulin covered. We have constructed wheel wash system at near main gate for controlling of dust emission from vehicle movements.
8.	Environmental quality shall be regularly monitored and got analyzed through an Environmental laboratory established under the Environment (Protection) Act, 1986.	Agreed. Environmental quality Monitoring and datas are being analyzed by well-established outside authorized laboratory.
9.	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers shall be undertaken periodically to observed any contractions due to exposure to dust and to take corrective measures, if needed.	Personal protective equipment like Helmet, Nose mask, Safety Goggle, Ear plug etc. along with adequate training & information on safety & health are being provided to concerned employees. Occupational health surveillance programme like health checkup camp etc. are also being organized for the workers.
10	An environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.	An environmental management cell has been set up and is working effectively.
11	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bhopal.	Agreed. As all units are situated inside the same campus so fund earmarked for environment protection is common for all the units.



12	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	The Regional Office of this Ministry has been shifted at Raipur (C.G.). We will extend our full cooperation to Regional Office by furnishing the requisite data/ information/ monitoring reports.
13	A copy of the clearance letter shall be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal.	Already send to all the concerned.
14	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/ Tehsildar's Office for 30 days.	Agreed.
15	The Project authorities shall advertise in newspapers – one national and two local widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . The compliance status shall also be uploaded by the project authorities in their website and regularly (at six monthly) up dated so as to bring the same in the public domain. The data shall also be displayed at the entrance of the project premises and mines office and in corporate office.	Already advertised in newspapers.



**Shri Bajrang Power & Ispat Limited**

**RCC Road**





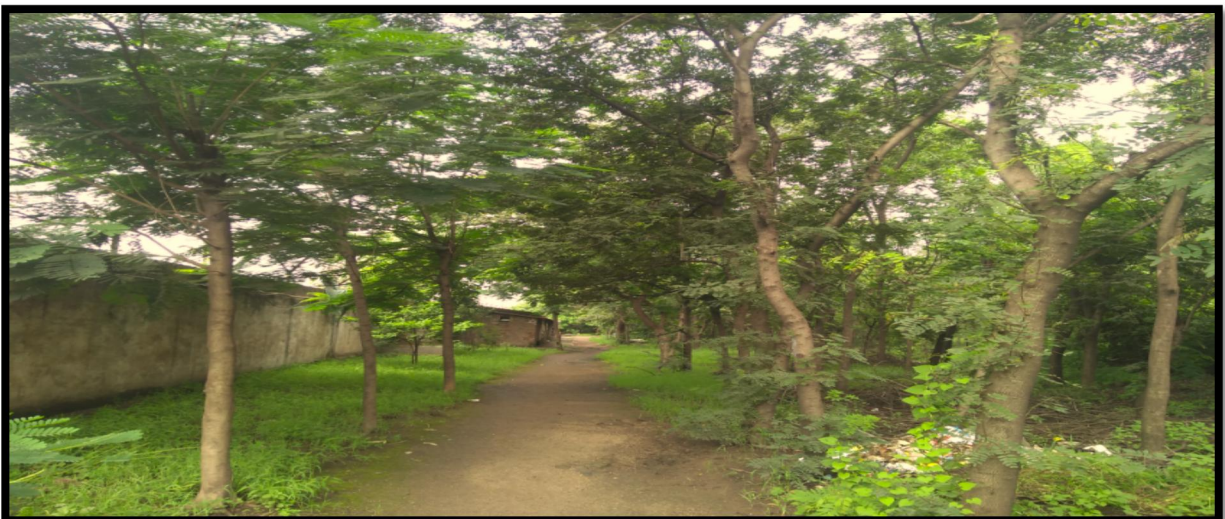
## Annexure-I(A)

### Inside Plantation

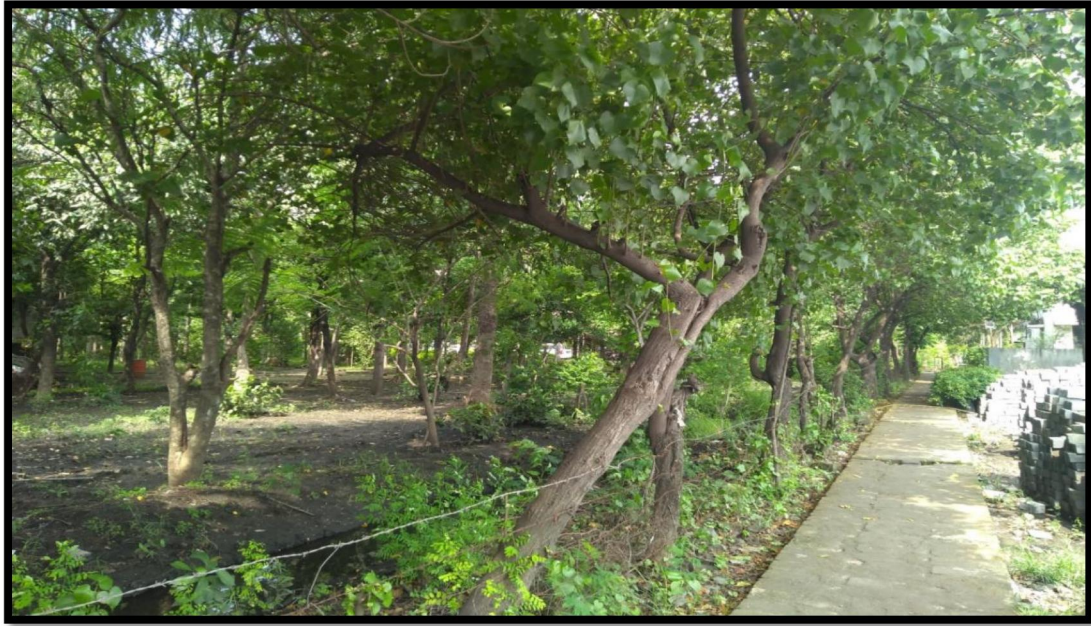
Near Admin Building



Near Boundary wall



**Near Fly ash Bricks Plant**



**Road side**



**Near Water Reservoir**



# Outside Plantation

Outside Road side



Plantation at Mukti-dham Near Villages





Shri Bajrang Power & Ispat Limited (Borjhara Division)

Water Tanker



# Mechanical Sweeping Machine



**SHRI BAJARNG POWER & ISPAT LIMITED  
(BORJHARA DIVISION)**

**RAIN WATER HARVESTING SYSTEM**

**Pit No. 1 (Near Solar PP)**



**Pit No. 2 (Near Steel Melting Shop)**



*Handwritten signature*



**Pit No. 3 (Near ferro alloys unit)**

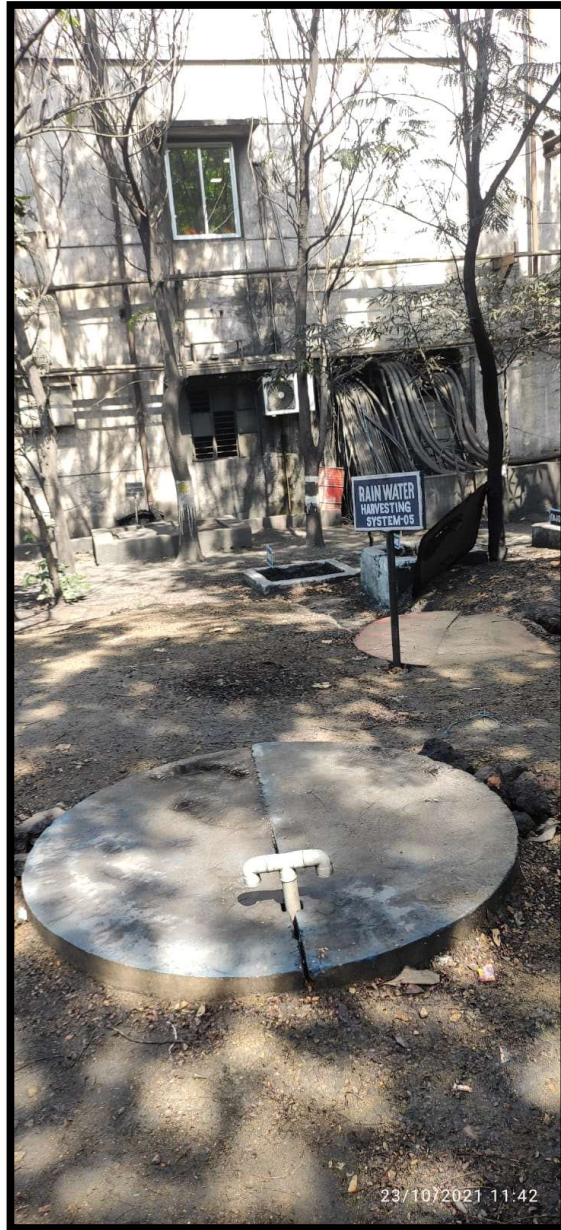


**Pit No. 4 (Near Rolling Mill)**



A handwritten signature in black ink, appearing to be 'Dof'.

**Pit No. 5 (Near Power Plant)**





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06511	
<b>To, SHRI BAJRANG POWER &amp; ISPAT LTD. VILL: BORJHARA, ULRA-GUMA ROAD , URLA GROWTH CENTER, RAIPUR, (C.G.)493221</b>		LAB REF NO	UES/23-24/FE/012472	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
		<b>SAMPLE DETAILS</b>		
MONITORING FOR	FUGITIVE EMISSION			
SAMPLING LOCATION	NEAR ASH SILO			
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF& CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	96	2000	EPA Method IO-2.1
2	Mercury as Hg	$\text{ug}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS method
3	Arsenic as As	$\text{ng}/\text{m}^3$	N.D.	06	CPCB Guidelines Vol.-I/AAS method
4	Lead as Pb	$\text{ug}/\text{m}^3$	0.11	1.0	CPCB Guidelines Vol.-I/AAS method
5	Chromium as Cr	$\text{ug}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS Method

Note: All results are on the basis of 8hour sampling.

**REMARKS: RESULTS ARE AS ABOVE**

#### Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only

 <b>REVIEWED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>SHRI BAJRANG POWER &amp; ISPAT LTD.</b> <b>VILL: BORJHARA, ULRA-GUMA ROAD ,</b> <b>URLA GROWTH CENTER,</b> <b>RAIPUR, (C.G.)493221</b>	REPORT NO	UES/TR/23-24/06512	
	LAB REF NO	UES/23-24/FE/012473	
	DATE OF SAMPLING	24/11/2023	
	DATE OF RECEIPT	25/11/2023	
	DATE OF REPORT	29/11/2023	
	DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023

## SAMPLE DETAILS

MONITORING FOR	FUGITIVE EMISSION
SAMPLING LOCATION	NEAR FURNACE
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023
DURATION OF SAMPLING	8 HOURS
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.

## TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF& CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	432	2000	EPA Method IO-2.1
2	Mercury as Hg	$\mu\text{g}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS method
3	Arsenic as As	$\text{ng}/\text{m}^3$	N.D.	06	CPCB Guidelines Vol.-I/AAS method
4	Lead as Pb	$\mu\text{g}/\text{m}^3$	0.19	1.0	CPCB Guidelines Vol.-I/AAS method
5	Chromium as Cr	$\mu\text{g}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS Method

Note: All results are on the basis of 8 hour sampling.

## REMARKS: RESULTS ARE AS ABOVE

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 29/11/23 <b>REVIEWED BY</b>	 <b>ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06513	
<b>TO, SHRI BAJRANG POWER &amp; ISPAT LTD. VILL: BORJHARA, ULTRA-GUMA ROAD, URLA GROWTH CENTER, RAIPUR, (C.G.)493221</b>		LAB REF NO	UES/23-24/FE/012474	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
		<b>SAMPLE DETAILS</b>		
MONITORING FOR	FUGITIVE EMISSION			
SAMPLING LOCATION	NEAR RAW MATERIAL YARD			
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.			

## TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF& CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	450	2000	EPA Method IO-2.1
2	Mercury as Hg	$\text{ug}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS method
3	Arsenic as As	$\text{ng}/\text{m}^3$	N.D.	06	CPCB Guidelines Vol.-I/AAS method
4	Lead as Pb	$\text{ug}/\text{m}^3$	0.20	1.0	CPCB Guidelines Vol.-I/AAS method
5	Chromium as Cr	$\text{ug}/\text{m}^3$	N.D.	-	CPCB Guidelines Vol.-I/AAS Method

Note: All results are on the basis of 8 hour sampling.

**REMARKS: RESULTS ARE AS ABOVE**

#### Terms & conditions

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 29/11/23 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06514	
<b>TO, SHRI BAJRANG POWER &amp; ISPAT LTD. VILL: BORJHARA, ULTRA-GUMA ROAD, URLA GROWTH CENTER, RAIPUR, (C.G.)493221</b>		LAB REF NO	UES/23-24/FE/012475	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	FUGITIVE EMISSION			
SAMPLING LOCATION	NEAR SPONGE IRON DIVISION			
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF& CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	µg/m <sup>3</sup>	415	2000	EPA Method IO-2.1
2	Mercury as Hg	ug/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.-I/AAS method
3	Arsenic as As	ng/m <sup>3</sup>	N.D.	06	CPCB Guidelines Vol.-I/AAS method
4	Lead as Pb	ug/m <sup>3</sup>	0.12	1.0	CPCB Guidelines Vol.-I/AAS method
5	Chromium as Cr	ug/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.-I/AAS Method

Note: All results are on the basis of 8 hour sampling.

#### REMARKS: RESULTS ARE AS ABOVE

##### Terms & conditions

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- This is for information as the party has asked for above test(s) only

 <b>REVIEWED BY</b>	 <b>AUTHORIZED SIGNATORY</b>	For ULTIMATE ENVIROLYTICAL SOLUTIONS   <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06506	
<b>To, SHRI BAJRANG POWER &amp; ISPAT LTD. VILL: BORJHARA,ULRA-GUMA ROAD, URLA GROWTH CENTER, RAIPUR,(C.G.)493221</b>		LAB REF NO	UES/23-24/AAQM/012467	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR ADMIN OFFICE	LATITUDE	21.310258	
		LONGITUDE	81.588542	
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	58	100	IS: 5182 (Part-23)
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	60	IS: 5182 (Part-24)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	13	80	IS: 5182 (Part-2)
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	18	80	IS: 5182 (Part-6)
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.3	4.0	IS: 5182 (Part-10)
6	Mercury as Hg	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS method
7	Arsenic as As	ng/m <sup>3</sup>	N.D.	06	CPCB Guidelines Vol.- I/AAS method
8	Lead as Pb	µg/m <sup>3</sup>	0.03	1.0	CPCB Guidelines Vol.- I/AAS method
9	Chromium as Cr	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS Method

Note: All results are on the basis of 24hour sampling.

**REMARKS: RESULTS ARE AS ABOVE**

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 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS   <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06507	
<b>To,</b> <b>SHRI BAJRANG POWER &amp; ISPAT LTD.</b> <b>VILL: BORJHARA,ULRA-GUMA ROAD,</b> <b>URLA GROWTH CENTER,</b> <b>RAIPUR,(C.G.)493221</b>		LAB REF NO	UES/23-24/AAQM/012468	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR MAIN GATE	LATITUDE	21.31203	
		LONGITUDE	81.591842	
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	62	100	IS:5182 (Part-23)
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28	60	IS:5182 (Part-24)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	15	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24	80	IS:5182 (Part-6)
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.3	4.0	IS:5182 (Part-10)
6	Mercury as Hg	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS method
7	Arsenic as As	ng/m <sup>3</sup>	N.D.	06	CPCB Guidelines Vol.- I/AAS method
8	Lead as Pb	µg/m <sup>3</sup>	0.02	1.0	CPCB Guidelines Vol.- I/AAS method
9	Chromium as Cr	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS Method

Note: All results are on the basis of 24 hour sampling.

**REMARKS: RESULTS ARE AS ABOVE**

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 <b>REVIEWED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06508	
<b>To,</b> <b>SHRI BAJRANG POWER &amp; ISPAT LTD.</b> <b>VILL: BORJHARA, ULTRA-GUMA ROAD,</b> <b>URLA GROWTH CENTER, RAIPUR,</b> <b>(C.G.)493221</b>		LAB REF NO	UES/23-24/AAQM/012469	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR ROLLING MILL	LATITUDE	21.311607	
		LONGITUDE	81.593498	
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	70	100	IS:5182 (Part-23)
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	36	60	IS:5182 (Part-24)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	16	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	19	80	IS:5182 (Part-6)
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.3	4.0	IS:5182 (Part-10)
6	Mercury as Hg	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.-I/AAS method
7	Arsenic as As	µg/m <sup>3</sup>	N.D.	06	CPCB Guidelines Vol.-I/AAS method
8	Lead as Pb	µg/m <sup>3</sup>	0.06	1.0	CPCB Guidelines Vol.-I/AAS method
9	Chromium as Cr	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.-I/AAS Method

Note: All results are on the basis of 24 hour sampling.

#### REMARKS: RESULTS ARE AS ABOVE

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 29/11/23 <b>REVIEWED BY</b>	 <b>ULTIMATE ENVIROLYTICAL SOLUTIONS</b> HDD-272, PHASE III, NEAR JP CHOWK, RING ROAD NO. 2, KABIR NAGAR, RAIPUR (C.G.) - 492099	For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06509	
<b>To, SHRI BAJRANG POWER &amp; ISPAT LTD. VILL: BORJHARA, ULTRA-GUMA ROAD, URLA GROWTH CENTER, RAIPUR, (C.G.)493221</b>		LAB REF NO	UES/23-24/AAQM/012470	
		DATE OF SAMPLING	24/11/2023	
		DATE OF RECEIPT	25/11/2023	
		DATE OF REPORT	29/11/2023	
		DATE OF ANALYSIS	START: 25/11/2023	END: 29/11/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR FERRO ALLOYS	LATITUDE	21.308702	
		LONGITUDE	81.593498	
CUSTOMER REF. NO.	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, RUBBER BLADDER: 1X1 NO.			

### TEST REPORT




SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	75	100	IS:5182 (Part-23)
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	39	60	IS:5182 (Part-24)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	19	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	25	80	IS:5182 (Part-6)
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.5	4.0	IS:5182 (Part-10)
6	Mercury as Hg	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS method
7	Arsenic as As	ng/m <sup>3</sup>	N.D.	06	CPCB Guidelines Vol.- I/AAS method
8	Lead as Pb	µg/m <sup>3</sup>	0.04	1.0	CPCB Guidelines Vol.- I/AAS method
9	Chromium as Cr	µg/m <sup>3</sup>	N.D.	-	CPCB Guidelines Vol.- I/AAS Method

Note: All results are on the basis of 24-hour sampling.

#### REMARKS: RESULTS ARE AS ABOVE

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 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS   <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
 Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
 Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/06517
<b>To,</b>		LAB REF NO	UES/23-24/N/012478-012481
<b>SHRI BAJRANG POWER &amp; ISPAT LTD.</b>		DATE OF SAMPLING	24/11/2023
<b>VILL: BORJHARA,</b>		DATE OF REPORT	29/11/2023
<b>URLA GUMA ROAD, URLA GROWTH CENTER, DIST- RAIPUR,(C.G.)493221</b>			
SAMPLE DETAIL			
MONITORING FOR	NOISE LEVEL MONITORING		
SAMPLING LOCATION	INSIDE PLANT (AS DESCRIBED BELOW)		
ORDER /REFERENCE:	SBPIL(BORJHARA)/ENV./2023-24/1055, DATED: 21/11/2023		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION		
SAMPLE QUANTITY/PACKING	NOT APPLICABLE		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
NEAR MAIN GATE	dB (A)	69	62	75	70
RAW MATERIAL YARD	dB (A)	71	59		
NEAR POWER PLANT	dB (A)	73	67		
NEAR ADMIN BUILDING	dB (A)	68	48		

**REMARKS: RESULTS ARE AS ABOVE**

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 29/11/23 <b>REVIEWED BY</b>	 <b>AUTHORIZED SIGNATORY</b>	For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----