

Ref: CSPPL/EXP./ENV/2024-25/103

26 July 24

To,

The Integrated Regional Office (IRO),
Ministry of Environment, Forests & Climate Change,
Govt. Of India
Aranya Bhawan, North Block,
Sector-19, Atal Nagar
Naya Raipur (C.G.) - 492002

Sub.:- Submission of 6 Monthly compliance reports pertaining to the Environmental Clearance of our proposed expansion of Steel Plant.

Ref.:- Environmental Clearance issued by Ministry of Environment vide Letter No. J-11011/753/2008-IA(i) dated 27.08.2010.

Respected Sir,

As informed earlier, we wish to state that against our above Environmental Clearance issued by the Honorable Ministry of Environment and Forest, Government of India, New Delhi, our project was in under NCLT & Construction was stopped by earlier management due to some delayed financial arrangements. Presently the plant is taken over by new management through NCLT. We are submitting herewith the Compliance Report from January to June 24 as follows: -

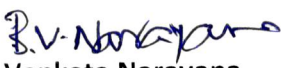
1. Point wise compliance status is enclosed as **Annexure – 1**.
2. Present status of Project work is enclosed as **Annexure-2**.
3. The information required as per the Data Sheet is enclosed as **Annexure-3**.

We hope you will find the above in line with your requirement.

Thanking you,

Yours faithfully

For CREST STEEL & POWER PRIVATE LTD.,


B. Venkata Narayana
Chief Operating Officer
Encl : a/a.

Copy : The Member Secretary, CECB, Nava Raipur



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Compliance status to the conditions stipulated vide Environmental Clearance

Project : **Crest Steel & Power Private Limited**
 Village: Joratarai,
 Post: Mangatta,
 Tehsil and District: Rajnandgaon (C.G)

Project Proponent : **Crest Steel & Power Private Limited**

Reference : Ministry's Letter No.: J-11011/753/2008-IA II (I)
 dated: 27.08.2010

Specific Conditions :

Sr. No	Specific Condition	Compliance Status
1.	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Government shall be ensured and regular reports submitted to the Ministry and its Regional Office at Bhopal.	: Yes
2.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), gas cleaning plant, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm ³ by installing energy efficient technology.	: <p>AAQMS & CEMS are installed & connected to CPCB & CECB servers.</p> <p>We have installed ESP's Bag filters to control source emission. All internal roads are concrete to minimize the fugitive emission to due to internal movement of heavy vehicles. The emission levels are maintained below 50 mg/nm³. Dust suppression is carried out by water sprinklers.</p> <p>Sufficient Air control devices Electrostatic precipitator (ESP) & Bag Filters are installed. There are bag filters provided at various location for dedusting, the clean air is/will be emitted from these stacks. More stacks along with bag filter will be provided for the proposed expansion.</p> <p>Online monitoring system is installed and Display board is also installed to display the parameters.</p> <p>Regular monitoring of Ambient Air Quality is being carried out. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 are maintained. Monitoring Report for Apr. to June 24 is enclosed.</p>
3.	As proposed, Electrostatic precipitator (ESP) shall be provided to WHRB, CFBC, DRI plants; fume extraction and dust cleaning system	: New management is assure you that we will install the Pollution Control equipment proposed in EIA Report & follow all the guidelines as stipulated by the Honorable CECB.

Sr. No	Specific Condition	Compliance Status
	with bag filters shall be provided to the induction, electric arc and submerged electric arc furnaces to control particulate levels within 50 mg/Nm ³ . Dust extraction system with bag filters at material transfer points, crusher area, material handling area etc. shall be provided. Water sprinklers for dust suppression at unloading of raw material shall be provided.	
4.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	: We have AAQMS & CEMS are installed & connected to CPCB & CECB servers. Online monitoring system is installed and Display board is also installed to display the parameters. Regular monitoring of Ambient Air Quality is being carried out. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 are maintained. Monitoring Report for Apr. to June 24 is enclosed.
5.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R. 414 (E) dated 30 th May, 2008 should be followed.	: Gaseous emission levels including secondary fugitive emissions from all the sources is in under control within the latest permissible limits issued by the Ministry and regularly monitored. Monitoring Report for Apr. to June 24 is enclosed.
6.	Hot gases from DRI kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely and used in waste heat recovery boiler (WHRB). The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack.	: All the proposed Sponge Iron Kilns will be equipped with WHRB based boiler so as to harness the heat energy for power generation. Flue gases from sponge iron kiln after passing DSC, ABC will pass through WHRB based boiler and thereafter cleaned gases will be went through ESP and stack. All the aforesaid measures are already implemented in our existing sponge iron kiln and assure you that the same will be implemented in our proposed expansion too.
7.	Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air-cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement	: Rain water harvesting pond is constructed to collect & utilization of water rain water. Closed circuit Air Cooled Condenser is prosed in expansion project to reduce the water consumption.

Sr. No	Specific Condition	Compliance Status
	shall be modified accordingly. All the effluent shall be treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and 'zero' discharge shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit. The water consumption shall not exceed as per the standard prescribed for the steel plants.	<p>Installation of closed cooling circuit is proposed.</p> <p>Treated effluent will be recycled for dust suppression, ash conditioning & green belt development.</p> <p>We assure that we are maintaining ZERO discharge condition in our existing unit and the same will be implemented in proposed units too. The water consumption will not exceed as per the standard prescribed for the steel plants.</p>
8.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	: Agreed.
9.	Regular monitoring of influent and effluent surface, sub-surface and ground water (including chromite) should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E (P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and CPCB.	: <p>At present there is no effluent generation from the existing operational facility.</p> <p>Regular monitoring of water is being carried out. & the sample Reports are enclosed herewith.</p> <p>There is no source of ground water in the plant premises.</p>
10.	All the coal fines, char from DRI plant and washery rejects shall be utilized in AFBC boiler of power plant and no char shall be used for briquette making or disposed off anywhere else. AFBC boiler shall be installed simultaneously along with the DRI plant to ensure full utilization of char from the beginning. All the blast furnace (BF) slag shall be provided to the cement manufacturers. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner.	: <p>Char/ dolochar is being utilized as fuel in FBC based power plant.</p> <p>AFBC boiler is proposed to installed simultaneously along with the DRI plant to ensure full utilization of char from the beginning. We assure that All the blast furnace (BF) slag shall be provided to the cement manufacturers. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner. Induction furnace slag after metal recovery is being utilized for land reclamation.</p> <p>Generated fly ash is being given to nearby brick manufacturers units.</p>
11.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification,	: Generated fly-ash will be given to nearby ash brick manufacturers and cement plant too.

Sr. No	Specific Condition	Compliance Status
	1999 and subsequent amendment in 2003.	
12.	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	: Dust suppression system will be installed for preventing dust emission due to vehicular movement and loading and un-loading activities within premises. Vehicular pollution due to transportation of raw material and finished products will be controlled by sprinkling water in the roads.
13.	Transportation of raw coal during the initial phase shall be by 40-T mechanically covered or tarpaulin covered trucks from the coalmines to the washery. The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site(s) within sheds/stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.	: Presently the coal washery is not Commissioned. The transportation of raw material will be done in mechanically covered or tarpaulin covered trucks only. Coal will be stacked properly in covered shed fitted with wind breakers / shields.
14.	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.	: We ensure that in Proposed expansion project Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters/Dust extractors and mist spray water sprinkling system will be installed. All the transfer points will be covered & belt conveyor systems will be closed by conveyor canopy. Regular water sprinkling will be done on coal heaps.
15.	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 coalmines shall be created within the Unit.	: <ul style="list-style-type: none"> • The internal roads are of RCC & the roads are regularly cleaned. • The Green belt of 40% will be developed. • CSPPL has already planted trees in the premises and proposed to plant additional no. of saplings for the proposed expansion @ 2500 per ha. • 24.3 ha. of area has been developed as green belt. 68800 trees are planted out of which 61920 nos. of trees are well grown till date, with survival rate of about 90%. • Further 1,04,550 more trees will be planted @ 2500 trees per ha. Photographs of green belt and internal roads are attached herewith.
16.	The washery unit shall be a zero-discharge facility and no wastewater shall be discharged from the washery into the drains/natural watercourses.	: The proposed washery units is designed for closed circuit circulation system and entire water will be recycled in process only. No waste water will be discharge outside the system.

Sr. No	Specific Condition		Compliance Status
	Recycled water shall be used for development and maintenance of green belt and in dust suppression from Plant operations.		
17.	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn).	:	Agreed, as it is a valuable source of manganese.
18.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB.	:	<p>We ensure that the Proper handling, storage, utilization and disposal of all the solid waste will be done and regular report regarding toxic metal content in the waste material will be submitted to the Ministry's Regional Office, CECB and CPCB.</p> <p>Monitoring Report for Apr. to June 24 is enclosed.</p>
19.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	:	<p>Regarding this we hereby like to state that our project is already designed to minimize the solid waste and for their proper utilization.</p> <ol style="list-style-type: none"> Regarding minimization of char/ dolochar: Quantum of wastes of sponge iron i.e. char/ dolochar/ coal fines will reduced by 40% – 45% by utilizing as fuel in own power plant . Regarding Induction Furnaces: Metal recovery from SMS Slag will also reduce its volume to 15% – 18% and non metallic slag will also in form of coarse solid. Regarding minimization of washery reject: Firstly we have reduced the size of washery so as to meet own requirement only. Secondly the quantum of Washery rejects will also reduced by consuming as fuel in own + sister concern's [located adjacent] power plant. (reduced by 40% – 45%)
20.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB within 3 months of issue of environment clearance letter.	:	Risk and Disaster Management Plan submitted to January to June 2023 Report.
21.	As proposed, green belt shall be developed in 33 % of plant area as per the CPCB guidelines in consultation with the DFO.	:	<ul style="list-style-type: none"> The Green belt of 40% will be developed. CSPPL has already planted trees in the premises and proposed to plant additional no. of saplings for the proposed expansion @ 2500 per ha. 24.3 ha. of area has been developed as green belt. 68800 trees are planted out of which 61920 nos. of trees are well grown till date, with survival rate of about 90%. Further 1,04,550 more trees will be planted @ 2500 trees per ha. <p>Photographs of green belt and internal roads</p>

Sr. No	Specific Condition	Compliance Status
		are attached herewith.
22.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants should be implemented.	: Agreed
23.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 17 th December, 2009 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.	: New management has taken over the project under consideration through NCLT procedure. However new management is committed for spending Rs. 10.0 Cr. Is first phase (in 2 years) and Rs. 30.0 Cr. (in second phase) of the expansion project towards various social department activities. No record is available for CSR activities carried out if any, by previous management.
24.	At least 5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	: New management has taken over the project under consideration through NCLT procedure. However new management is committed for spending Rs. 10.0 Cr. Is first phase (in 2 years) and Rs. 30.0 Cr. (in second phase) of the expansion project towards various social department activities. No record is available for CSR activities carried out if any, by previous management.
25.	Rehabilitation and Resettlement Plan for the project affected population including tribals, if any shall be implemented as per the policy of the State Govt. in consultation with the State Govt. of Chhattisgarh. Compensation paid in any case should not be less than the norms prescribed under the National Resettlement and Rehabilitation Policy, 2007.	: No rehabilitation and resettlement is required as the land purchased as there is no habitation within the land acquired [through purchase] and located close to the BORAI industrial area.
26.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	: Agreed.

General Conditions :

Sr. No	General Conditions		Compliance Status
1.	The project authority shall adhere to the stipulations made by Chhattisgarh Environment Conservation Board (CECB) and State Government.	:	Agreed.
2.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	:	Agreed.
3.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 & standards prescribed from time to time. The CECB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	:	<p>The project for which the EC was granted is not implemented. However, in the proposed project this issue will be complied.</p> <p>Suitable interlocks will be provided for tripping of the plant in case emission values exceed pre-set values.</p>
4.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	:	<p>All the heavy noise generating equipment's are designed as per norms.</p> <p>The noise level is being kept below 85 dBA. We have provided noise control measures silencer, enclosures, etc. at appropriate location to control noise levels.</p> <p>Monitoring Report for Apr. to June 24 is enclosed.</p>
5.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	:	The same is being done once in a quarter.
6.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	:	Agreed.

Sr. No	General Conditions		Compliance Status
7.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	:	We have developed water harvesting structures within premises for recharging ground water table as well as utilization of within the process and assure you that the same will be developed in proposed expansion too.
8.	Proper housekeeping and adequate occupational health program shall be taken up as per the Factory Act.	:	Proper housekeeping is being maintained and adequate occupational health programmes is being carried out as per Factory Act.
9.	The company shall undertake eco-development measures including community welfare measures in the project area.	:	All Eco-development activities like additional plantation; Provision of STPs for treatment of domestic water, provision of Solar Powered lights, etc will be implemented in plant and surrounding area including various social development activities.
10.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	:	<p>A separate environmental management cell is set up to carry out various management and monitoring functions.</p> <p>The Environmental Cell functions under the control of the General Manager along with the EMS team of the company to monitor the environmental measures.</p>
11.	The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	:	New management has taken over the project under consideration through NCLT procedure. However new management is committed for spending requisite funds will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.
12.	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	:	New management has taken over the project under consideration through NCLT procedure. The Project Authorities will inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities.
13.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	:	Agreed

Sr. No	General Conditions		Compliance Status
14.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	:	We have developed the website in 2022 after full possession of the plant. We have uploaded the monthly monitoring report & six-monthly monitoring compliance report on our website.
15.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the CWCB. The Regional Office of this Ministry at Bhopal/CPCB/CECB shall monitor the stipulated conditions.	:	<p>Earlier we have submitted six monthly compliance report for the period of July to Dec.-23.</p> <p>Presently we are submitting the six monthly compliance report for the month of Jan to June.-24.</p>
16.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	:	Environmental statement is being submitted regularly to CECB.
17.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from	:	Agreed

Sr. No	General Conditions	Compliance Status
	the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhopal.	

PHOTOGRAPHS OF GREEN BELT & INTERNAL ROADS -



CSPPL-PROJECT STATUS AS ON JUNE 24

Land Acquisition	The total land of 168.01 Ha. in possession of Crest Steel & Power Private Limited.
Status of Project	<p>Operational Sponge Iron Plant, (2 x 350 TPD), SMS (2 x 15 T IF), Power Plant 16 MW WHRB + 8 MW AFBC .</p> <p>Partly constructed Pellet Project, 2X350 TPD Sponge Iron Project, 1X35 M.W. Power Project, Coal Washery Project has been takeover through NCLT by new management & after getting the Environmental Clearance and Consent to Establishment the balance work will be initiated by new management.</p>

Data Sheet [Part – 1]

1.	Project type	:	Industry
2.	Name of the project	:	Expansion of Steel Plant at Village: Joratarai, P.O. Mangatta, The. & Dist. Rajnandgaon in C.G. by M/s Crest Steel & Power Private Limited
3.	Clearance letter (s)/OM No. and date	:	J-11011/753/2008-IA II (I) dated: 27.08.2010
4.	Location:	:	Village: Joratarai, PO: Mangatta, Tehsil: Rajnandgaon
	a. District (s)	:	Rajnandgaon
	b. State (s)	:	Chhattisgarh
	c. Location Latitude/Longitude	:	21°11'27" N 81°11'56" E
5.	Address for correspondence	:	
	a. Address of the Concerned Project Chief Engineer (with Pin Code & telephone/ telex/ fax numbers)	:	M/s Crest Steel & Power Private Limited Village: Joratarai, PO: Mangatta Tehsil & District: Rajnangaon [C.G.] PIN: 491 441. Phone:0788-2336002
	b. Address of the Executive Project Engineer / Manager (with Pin Code & telephone/ telex/ fax numbers)	:	Mr. B.Venkata Narayana Chief Operating Officer M/s Crest Steel & Power Private Limited Village: Joratarai, PO: Mangatta Tehsil & District: Rajnangaon [C.G.] PIN: 491 441 Phone:0788-2336002
6.	Salient features	:	
	a. Of the project	:	Please refer Chapter – 2 of EIA report
	b. Of the Environmental management plans	:	Please refer Chapter – 10 of EIA report
7.	Breakup of the project area	:	
	a. Submergence area: forest & non-Forest	:	Nil
	b. Others	:	Land is directly purchased from private owners. No forest, Government land, Adivasi land involved within the site.
8.	Breakup of the project affected population with enumeration of those losing houses/ dwelling units only agricultural land only Both dwelling units & agricultural land & landless laborers/ artisans:	:	N.A. (The acquired land is free from inhabitation as close to industrial area)
	a. SC, ST/Adivasi	:	Nil
	b. Others	:	Land is directly purchased from private owners. No forest, Government involved within the site.
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	:	----

9.	Financial details:	:	
	a. Project cost as originally planned and subsequent revised estimates and the year of Flee reference	:	Rs. 1106.00 Crores Originally and after revision Rs. 2079.00 Crores.
	b. Allocation made for environmental management plans with item wise and year wise break-up	:	Capital cost: Rs. 105.0 Crores Operating Cost: Rs. 5.0 Crores
	c. Benefit cost ratio/Internal rate of Return and the year of assessment	:	26.47 %
	d. Whether 'b' includes the cost of environmental management as shown in the above	:	Yes
	e. Actual expenditure incurred on the project so far.	:	Rs. 1719.41 Crores (Approx.)
	f. Actual expenditure incurred on the environmental management plans so far	:	Rs. 57.80 Crores
10.	Forest land requirement	:	N.A.
	a. The status of approval for diversion of forest land for non-forestry use	:	
	b. The status of clearing felling	:	
	c. The status of compensatory afforestation, if any	:	
	d. Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	
11.	The status of clear felling in non-forest areas, if any with quantitative information required.	:	N.A.
12.	Status of construction (Actual &/or planned)	:	
	a. Date of commencement (Actual &/or planned)	:	New management has taken over the project under consideration through NCLT procedure
	b. Date of completion (Actual &/or planned)	:	Planned-New management has taken over the project under consideration through NCLT procedure.
13.	Reason for the delay in if the project is yet to start.	:	Start of Project delayed due to delay in financial closure (which has been completed by end of 2011) & the prevailing sluggish steel market.

Note :- At the time of taking over the unit some facilities is in operation and some facilities were underway initiated by previous management. Our EC process is underway from MoEF.



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

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No.	UESPL/TR/24-25/00354	
		Lab Ref No.	UESPL/24-25/AAQM/00692-00693	
		Date of Sampling	29/04/2024	
		Date of Receipt	30/04/2024	
		Date of Report	04/05/2024	
		Date of Analysis	Start: 30/04/2024	End: 04/05/2024
SAMPLE DETALS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Main Gate Area 2. Near New Project Area			
Customer Ref. No. & Date	4232200698, Dated: 29.03.2024			
Duration Of Sampling	As per CPCB norms			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	Filter Paper (PM ₁₀): 1X1 No., Filter Paper (PM _{2.5}): 1X1 No. SO ₂ : 30mlX1 No. PVC Bottle, NO ₂ : 30mlX1 NO. PVC Bottle.			

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182: (Part-23):2006 & CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 & CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO) *	IS:5182: (Part-10)

TEST REPORT

Parameter	Unit	NAAQM Standard	Results	
			Near Main Gate Area	Near New Project Area
PM ₁₀	µg/m ³	100	79.25	74.82
PM _{2.5}	µg/m ³	60	35.92	34.54
SO ₂	µg/m ³	80	18.51	15.66
NO ₂	µg/m ³	80	24.83	22.42
CO	mg/m ³	4.0	0.98	0.44

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.		UESPL/TR/24-25/00355	
		LAB REF NO.		UESPL/24-25/W/00694	
		DATE OF SAMPLING		29/04/2024	
		DATE OF RECEIPT		30/04/2024	
		DATE OF REPORT		04/05/2024	
		DATE OF ANALYSIS		START: 30/04/2024	END: 04/05/2024
SAMPLE DETAILS					
ORDER /REFERENCE:		4232200698, DATED: 29.03.2024			
CUSTOMER SAMPLE ID / SAMPLING LOCATION		NEW POND			
SAMPLE TYPE		SURFACE WATER			
SAMPLE COLLECTED BY		LABORATORY CHEMIST			
PACKING OF SAMPLE		3 L X 1 NO. PVC CAN, 1 L X 1 NO. GLASS BOTTLE			
SAMPLING PROCEDURE		IS:3025(PART I):1987 RA 2003; APHA 22ND ED.2012, 1060-B, 1-39			
REPORT NO. - 00355					

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	10
2	Turbidity	NTU	IS:3025:(Part-10)	1.0 (max)	0.76
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.79
4	Residual Chlorine	mg/L	IS:3025:(Part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500 (max)	263
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200 (max)	102
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200 (max)	184
8	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75 (max)	48.89
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	30 (max)	15.07
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250 (max)	27.9
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200 (max)	35.73
12	Nitrate (NO ₃)	mg/L	IS:3025:(Part-34)	45 (max)	11.18
13	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/L	IS:3025:(Part-53)	0.3 (max)	N.D.
15	Fluoride (as F)	mg/L	IS:3025:(Part-60)	1.0 (max)	N.D.
16	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/L	IS:3025:(Part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/L	IS:3025:(Part-49)	5.0 (max)	N.D.
19	Copper (as Cu)	mg/L	IS:3025:(Part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/L	IS:3025:(Part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025:(Part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(Part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/L	IS:3025:(Part-29)	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025:(Part-43)	0.001(max)	N.D.



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REPORT NO.- 00355




TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	0.0001(max)	N.D.
30	Mineral Oil	mg/L	IS:3025 (Part-39):1991, RA 2003, Ed. 2.1	0.05 (max)	N.D.
Microbial Parameter					
1	Total Coliform	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	33
2	E - Coli	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	<2.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED**Terms & conditions**

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-----End of the test report-----



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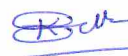
Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/24-25/00356
		LAB REF NO.	UESPL/24-25/N/00695-00696
		DATE OF REPORT	04/05/2024
		DATE OF SAMPLING	29/04/2024
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	4232200698, DATED: 29.03.2024		
Sampling Location	1. Near Main Gate Area 2. Near New Project Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
Near Main Gate Area	dB(A)	69.4	56.5	75	70
Near New Project Area	dB(A)	66.1	50.0		

REMARKS: RESULTS ARE AS ABOVE

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Email : uespllab@gmail.com, ultimatenviro@gmail.com

<i>Name & Address Of The Customer</i>		REPORT NO.	UESPL/TR/24-25/00357
To,		LAB REF NO.	UESPL/24-25/FE/00697
Crest Steel And Power Private Limited		DATE OF SAMPLING	29/04/2024
Village: Joratarai,		DATE OF RECEIPT	30/04/2024
Post – Mangatta		DATE OF REPORT	04/05/2024
Rajnandgaon 491441		DATE OF ANALYSIS	START: 30/04/2024 END: 04/05/2024
SAMPLE DETAILS			
Monitoring For	Fugitive Emission		
Customer Ref. No.	4232200698, Dated: 29.03.2024		
Sampling Location	Near Boiler Area		
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

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF & CC Notification	Method Reference
Near Boiler Area	µg/m ³	882	2000	EPA Method IO-2.1

REMARKS: N.D.- NOT DETECTED

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-----End of the test report-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No		UESPL/TR/24-25/00358			
		Lab. Ref. No.		UESPL/24-25/W/00698			
		Date of Sampling		29/04/2024			
		Date of Receipt		30/04/2024			
		Date of Report		04/05/2024			
		Date of Analysis		Start: 30/04/2024	End: 04/05/2024		
SAMPLE DETAILS							
Customer Sample ID		SID – Kiln Effluent Water		Customer Ref. No. & Date		4232200698, Dated: 29.03.2024	
Sample Type		Effluent Water		Sample Condition At Receipt		Ok	
Packing of Sample		Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)		Sample Collected By		Laboratory Chemist	
Other Details		Sealed		Quantity Received		Approx. 5Ltr.	

TEST REPORT




SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025: (Part-11)	5.5 To 9.0	7.28
2	Total Suspended Solid	mg/L	IS:3025: (Part-17)	100	26
3	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58)	250	60
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part-44)	30	12.8
5	Oil & Grease	mg/L	IS:3025: (Part-39)	10	Absent

Note:mg/lit.: milligram per liter. N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UESPL/TR/24-25/00359	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/00699	
		DATE OF SAMPLING	29/04/2024	
		DATE OF RECEIPT	30/04/2024	
		DATE OF REPORT	04/05/2024	
		DATE OF ANALYSIS	START: 30/04/2024	END: 04/05/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO. - 1 (WHRB+AFBC)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

TEST REPORT

Stack details				
STACK IDENTITY	STACK NO. - 1 (WHRB+AFBC)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	75			
STACK DIAMETER	3.5			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	105.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.74	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	156655.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	44.2	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	198.4	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	127.8	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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Name & Address Of The Customer		REPORT NO	UESPL/TR/24-25/00360	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/00700	
		DATE OF SAMPLING	29/04/2024	
		DATE OF RECEIPT	30/04/2024	
		DATE OF REPORT	04/05/2024	
		DATE OF ANALYSIS	START: 30/04/2024	END: 04/05/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO - 2 (WHRB)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			




TEST REPORT

Stack details				
STACK IDENTITY	STACK NO - 2 (WHRB)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65			
STACK DIAMETER	2.13			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	142.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	10.55	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	97129.7	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	42.6	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	210.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	134.8	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.2	-	IS 13270 RA 2019

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-----End of the test report.-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address of The Customer

To,
Crest Steel And Power Private Limited
Village: Joratarai,
Post – Mangatta
Rajnandgaon 491441

Report No.	UESPL/TR/24-25/01212
Lab Ref No.	UESPL/24-25/AAQM/02046-02047
Date of Sampling	22/05/2024
Date of Receipt	24/05/2024
Date of Report	28/05/2024
Date of Analysis	Start:24/05/2024 End:28/05/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Main Gate Area 2. Near NewProject Area
Customer Ref. No. & Date	4232200698, Dated: 29.03.2024
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM ₁₀): 1X1 No., Filter Paper (PM _{2.5}): 1X1 No. SO ₂ : 30mlX1 No. PVC Bottle, NO ₂ : 30mlX1 NO. PVC Bottle.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182: (Part-23):2006 &CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001&CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO) *	IS:5182: (Part-10)

TEST REPORT

Parameter	Unit	NAAQM Standard	Results	
			Near Main Gate Area	Near New Project Area
PM ₁₀	µg/m ³	100	80.14	77.08
PM _{2.5}	µg/m ³	60	36.26	35.69
SO ₂	µg/m ³	80	19.64	16.36
NO ₂	µg/m ³	80	24.98	22.59
CO	mg/m ³	4.0	1.0	0.61

REMARKS: RESULTS ARE AS ABOVE

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REVIEWED BY

[Signature]
28/05/24



For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

AUTHORIZED SIGNATORY

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441	REPORT NO.		UESPL/TR/24-25/01213	
	LAB REF NO.		UESPL/24-25/W/02048	
	DATE OF SAMPLING		22/05/2024	
	DATE OF RECEIPT		24/05/2024	
	DATE OF REPORT		28/05/2024	
	DATE OF ANALYSIS		START: 24/05/2024	END: 28/05/2024
SAMPLE DETAILS				
ORDER /REFERENCE:		4232200698, DATED: 29.03.2024		
CUSTOMER SAMPLE ID / SAMPLING LOCATION		NEW POND		
SAMPLE TYPE		SURFACE WATER		
SAMPLE COLLECTED BY		LABORATORY CHEMIST		
PACKING OF SAMPLE		3 L X 1 NO. PVC CAN, 1 L X 1 NO. GLASS BOTTLE		
SAMPLING PROCEDURE		IS:3025(PART I):1987 RA 2003; APHA 22ND ED.2012, 1060-B, 1-39		
REPORT NO. – 01213				

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	10
2	Turbidity	NTU	IS:3025:(Part-10)	1.0 (max)	0.84
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.68
4	Residual Chlorine	mg/L	IS:3025:(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500 (max)	291
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200 (max)	112
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200 (max)	198
8	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75 (max)	53.71
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	30 (max)	15.55
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250 (max)	30.9
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200 (max)	39.54
12	Nitrate (NO ₃)	mg/L	IS:3025:(Part-34)	45 (max)	12.37
13	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/L	IS:3025:(Part-53)	0.3 (max)	N.D.
15	Fluoride (as F)	mg/L	IS:3025:(Part-60)	1.0 (max)	N.D.
16	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/L	IS:3025:(Part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/L	IS:3025:(Part-49)	5.0 (max)	N.D.
19	Copper (as Cu)	mg/L	IS:3025:(Part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/L	IS:3025:(Part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025:(Part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(Part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/L	IS:3025:(Part-29)	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025:(Part-43)	0.001(max)	N.D.

REPORT NO.- 01213

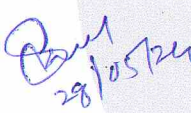
TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	0.0001(max)	N.D.
30	Mineral Oil	mg/L	IS:3025 (Part-39):1991, RA 2003, Ed. 2.1	0.05 (max)	N.D.
Microbial Parameter					
1	Total Coliform	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	34
2	E - Coli	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	<2.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED**Terms & conditions**

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

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-----End of the test report-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

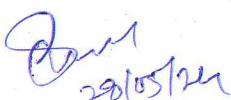


Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/24-25/01214
		LAB REF NO.	UESPL/24-25/N/02049-02050
		DATE OF REPORT	28/05/2024
		DATE OF SAMPLING	22/05/2024
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	4232200698, DATED: 29.03.2024		
Sampling Location	1. Near Main Gate Area 2. Near New Project Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
Near Main Gate Area	dB(A)	67.8	53.4	75	70
Near New Project Area	dB(A)	63.2	49.7		

REMARKS: RESULTS ARE AS ABOVE

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Name & Address Of The Customer		REPORT NO.		UESPL/TR/24-25/01215	
To,		LAB REF NO.		UESPL/24-25/FE/02051	
Crest Steel And Power Private Limited		DATE OF SAMPLING		22/05/2024	
Village: Joratarai,		DATE OF RECEIPT		24/05/2024	
Post - Mangatta		DATE OF REPORT		28/05/2024	
Rajnandgaon 491441		DATE OF ANALYSIS		START: 24/05/2024 END: 28/05/2024	
SAMPLE DETAILS					
Monitoring For		Fugitive Emission			
Customer Ref. No.		4232200698, Dated: 29.03.2024			
Sampling Location		Near Boiler Area			
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.			

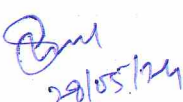


TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF& CC Notification	Method Reference
Near Boiler Area	µg/m ³	886	2000	EPA Method IO-2.1

REMARKS: N.D. - NOT DETECTED

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Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No	UESPL/TR/24-25/01216	
		Lab. Ref. No.	UESPL/24-25/W/02052	
		Date of Sampling	22/05/2024	
		Date of Receipt	24/05/2024	
		Date of Report	28/05/2024	
		Date of Analysis	Start: 24/05/2024	End: 28/05/2024
SAMPLE DETAILS				
Customer Sample ID	SID – Kiln Effluent Water	Customer Ref. No. & Date	4232200698, Dated: 29.03.2024	
Sample Type	Effluent Water	Sample Condition At Receipt	Ok	
Packing of Sample	Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx. 5Ltr.	

TEST REPORT

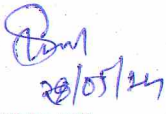


SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025:(Part-11)	5.5 To 9.0	7.34
2	Total Suspended Solid	mg/L	IS:3025:(Part-17)	100	33
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58)	250	40
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)	30	8.5
5	Oil & Grease	mg/L	IS:3025:(Part-39)	10	Absent

Note:mg/lit.: milligram per liter. N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



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Name & Address Of The Customer		REPORT NO	UESPL/TR/24-25/01217	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/02053	
		DATE OF SAMPLING	22/04/2024	
		DATE OF RECEIPT	24/05/2024	
		DATE OF REPORT	28/05/2024	
		DATE OF ANALYSIS	START: 24/05/2024	END: 28/05/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO. - 1 (WHRB+AFBC)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			



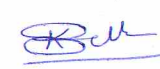
TEST REPORT

Stack details				
STACK IDENTITY	STACK NO. - 1 (WHRB+AFBC)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	75			
STACK DIAMETER	3.5			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	109.5	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	165061.0	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	44.8	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	202.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	129.2	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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-----End of the test report-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviron@gmail.com

To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		REPORT NO	UESPL/TR/24-25/01218	
		LAB REF NO	UESPL/24-25/ST/02054	
		DATE OF SAMPLING	22/04/2024	
		DATE OF RECEIPT	24/05/2024	
		DATE OF REPORT	28/05/2024	
		DATE OF ANALYSIS	START: 24/05/2024	END: 28/05/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO - 2 (WHRB)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

TEST REPORT

Stack details				
STACK IDENTITY	STACK NO - 2 (WHRB)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65			
STACK DIAMETER	2.13			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	146.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	11.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	101400.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	43.8	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	214.5	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	136.0	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

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-----End of the test report.-----



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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address of The Customer

To,
Crest Steel And Power Private Limited
Village: Joratarai,
Post – Mangatta
Rajnandgaon 491441

Report No.	UESPL/TR/24-25/01752	
Lab Ref No.	UESPL/24-25/AAQM/02930-02931	
Date of Sampling	22/06/2024	
Date of Receipt	24/06/2024	
Date of Report	28/06/2024	
Date of Analysis	Start: 24/06/2024	End: 28/06/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Main Gate Area 2. Near New Project Area
Customer Ref. No. & Date	4232200698, Dated: 29.03.2024
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM ₁₀): 1X1 No., Filter Paper (PM _{2.5}): 1X1 No. SO ₂ : 30mlX1 No. PVC Bottle, NO ₂ : 30mlX1 NO. PVC Bottle.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182: (Part-23):2006 &CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001&CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)*	IS:5182: (Part-10)

TEST REPORT

Parameter	Unit	NAAQM Standard	Results	
			Near Main Gate Area	Near New Project Area
PM ₁₀	µg/m ³	100	75.26	72.16
PM _{2.5}	µg/m ³	60	34.38	33.74
SO ₂	µg/m ³	80	18.76	15.47
NO ₂	µg/m ³	80	23.12	21.85
CO	mg/m ³	4.0	0.84	0.59

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Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/24-25/01753	
		LAB REF NO.	UESPL/24-25/W/02932	
		DATE OF SAMPLING	22/06/2024	
		DATE OF RECEIPT	24/06/2024	
		DATE OF REPORT	28/06/2024	
		DATE OF ANALYSIS	START: 24/06/2024	END: 28/06/2024
SAMPLE DETAILS				
ORDER /REFERENCE:	4232200698, DATED: 29.03.2024			
CUSTOMER SAMPLE ID / SAMPLING LOCATION	NEW POND			
SAMPLE TYPE	SURFACE WATER			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN, 1 L X 1 NO. GLASS BOTTLE			
SAMPLING PROCEDURE	IS:3025(PART I):1987 RA 2003; APHA 22ND ED.2012, 1060-B, 1-39			

REPORT NO.- 01753

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	10
2	Turbidity	NTU	IS:3025:(Part-10)	1.0 (max)	0.69
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.58
4	Residual Chlorine	mg/L	IS:3025:(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500 (max)	312
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200 (max)	98
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200 (max)	190
8	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75 (max)	52.91
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	30 (max)	14.09
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250 (max)	33.9
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200 (max)	40.15
12	Nitrate (NO ₃)	mg/L	IS:3025:(Part-34)	45 (max)	12.94
13	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/L	IS:3025:(Part-53)	0.3 (max)	N.D.
15	Fluoride (as F)	mg/L	IS:3025:(Part-60)	1.0 (max)	N.D.
16	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/L	IS:3025:(Part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/L	IS:3025:(Part-49)	5.0 (max)	N.D.
19	Copper (as Cu)	mg/L	IS:3025:(Part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/L	IS:3025:(Part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025:(Part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(Part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/L	IS:3025:(Part-29)	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025:(Part-43)	0.001(max)	N.D.



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REPORT NO.- 01753

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	0.0001(max)	N.D.
30	Mineral Oil	mg/L	IS:3025 (Part-39):1991, RA 2003, Ed. 2.1	0.05 (max)	N.D.
Microbial Parameter					
1	Total Coliform	MPN/100 ML	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	40
2	E - Coli	MPN/100 ML	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	<2.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED*Terms & conditions*

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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/24-25/01754
		LAB REF NO.	UESPL/24-25/N/02933-02934
		DATE OF REPORT	28/06/2024
		DATE OF SAMPLING	22/06/2024
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	4232200698, DATED: 29.03.2024		
Sampling Location	1. Near Main Gate Area 2. Near New Project Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
Near Main Gate Area	dB(A)	69.2	55.7	75	70
Near New Project Area	dB(A)	65.6	51.4		

REMARKS: RESULTS ARE AS ABOVE

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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

<i>Name & Address Of The Customer</i>		REPORT NO.	UESPL/TR/24-25/01755
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO.	UESPL/24-25/FE/02935
		DATE OF SAMPLING	22/06/2024
		DATE OF RECEIPT	24/06/2024
		DATE OF REPORT	28/06/2024
		DATE OF ANALYSIS	START: 24/06/2024 END: 28/06/2024
SAMPLE DETAILS			
Monitoring For	Fugitive Emission		
Customer Ref. No.	4232200698, Dated: 29.03.2024		
Sampling Location	Near Boiler Area		
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

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF& CC Notification	Method Reference
Near Boiler Area	µg/m ³	876	2000	EPA Method IO-2.1

REMARKS:N.D.- NOT DETECTED

Terms & conditions

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 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  AUTHORIZED SIGNATORY
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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 : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No	UESPL/TR/24-25/01756	
		Lab. Ref. No.	UESPL/24-25/W/02936	
		Date of Sampling	22/06/2024	
		Date of Receipt	24/06/2024	
		Date of Report	28/06/2024	
		Date of Analysis	Start: 24/06/2024	End: 28/06/2024
SAMPLE DETAILS				
Customer Sample ID	SID – Kiln Effluent Water	Customer Ref. No. & Date	4232200698, Dated: 29.03.2024	
Sample Type	Effluent Water	Sample Condition At Receipt	Ok	
Packing of Sample	Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx. 5Ltr.	

TEST REPORT




SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025: (Part-11)	5.5 To 9.0	7.46
2	Total Suspended Solid	mg/L	IS:3025: (Part-17)	100	32.6
3	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58)	250	46
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part-44)	30	10.4
5	Oil & Grease	mg/L	IS:3025: (Part-39)	10	Absent

Note:mg/lit.: milligram per liter. N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



Ultimate
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Email : uespllab@gmail.com, ultimatenviro@gmail.com

To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO	UESPL/TR/24-25/01757	
		LAB REF NO	UESPL/24-25/ST/02937	
		DATE OF SAMPLING	22/06/2024	
		DATE OF RECEIPT	24/06/2024	
		DATE OF REPORT	28/06/2024	
		DATE OF ANALYSIS	START: 24/06/2024	END: 28/06/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO. - 1 (WHRB+AFBC)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

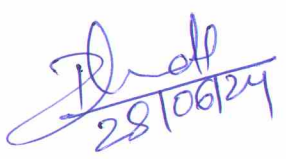

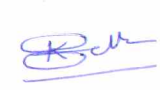
TEST REPORT

Stack details				
STACK IDENTITY	STACK NO. - 1 (WHRB+AFBC)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	75			
STACK DIAMETER	3.5			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	112.0	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.0	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	187569.3	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	42.3	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	196.6	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	126.0	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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-----End of the test report-----



Ultimate
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Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UESPL/TR/24-25/01758	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/02938	
		DATE OF SAMPLING	22/06/2024	
		DATE OF RECEIPT	24/06/2024	
		DATE OF REPORT	28/06/2024	
		DATE OF ANALYSIS	START: 24/06/2024	END: 28/06/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO - 2 (WHRB)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

TEST REPORT				
Stack details				
STACK IDENTITY	STACK NO - 2 (WHRB)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	65			
STACK DIAMETER	2.13			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	149.5	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	11.87	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	107342.5	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	40.6	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	208.8	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	130.0	300	IS 11255 (Part 7):2005
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

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-----End of the test report.-----