

EN313742795IN IVR:6978313742 SP BOBBILI H.O <535558> Counter No:1,08/02/2023,15:50 TO: THE ENVIRONME, APPCB RO THOTAPA India Pos PIN:535002, Vizianagaram H.O From:HIRA ELECTR,P NO 364-367 API Wt:330gms Amt:59.00(Cash)Tax:9.00 <Track on www.indiapost.gov.in> (Dial 18002666868) (Wear Masks, Stay Safe)

Ref No: HESL/LTR/2022-23/397

To,

The Member Secretary, Andhra Pradesh Pollution Control Board, D. No. 33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010

Sub: Submission of half yearly compliance report of Authorization Order for the period of June 2022 to

EN313742565IN IVR:6978313742565 SP BOBBILI H.O <535558> Counter No:1,08/02/2023,15:50 To: THE MEMBER SE, APPCB VIJAYAMADA India Post PIN:520010, Venkateswarapuram S.O From:HIRA ELECTR, P NO 364-367 API Wt:325gms Amt:70.80(Cash)Tax:10.80 (Track on www.ind/apost.gov.in)

Consent & Authorization granted vide Order No. APPCB/VSP/VZN/156/HO/CFO/2016 Dated: subsequent amendment made vide Order 09.06.2016 and APPCB/VSP/VZN/156/HO/CFO/2016 Dated: 01.10.2016.

Respected Sir,

Please find enclosed herewith half yearly compliance report of the conditions stipulated in Consent &Authorization Order for the period of June 2022 to December'2022 in respect of Hira Electro Smelters Limited (Formerly M/s RVR Smelters Private Limited), Plot No. 364-367, APIIC growth Center, Bobbili, Vizianagaram - 535 558.

We hope you will find above half yearly compliance report up to your satisfaction. Your valuable guidance further in this regard shall be highly appreciated.

Kindly acknowledge the receipt of the same.

Thanking You,

Yours faithfully,

For, HIRA ELECTRO SMELTERS LIMITED

(Formerly M/s RVR Smelters Private Limited)

Authorized Signatory

Encl: A/a

Copy to: The Environment Engineer, A. P. Pollution Control Board, Regional Office, D.No. 8-30-19, Sai Nagar, Thotapalem, Vizianagaram 535 002(A. P.).

> Hira Electro Smelters Ltd. (Formerly known as RVR Smelters Pvt. Ltd.)

CIN: U27109AP2007PLC052498

Registered Office: Plot No. 364-367, APIIC Growth Center, Bobbili-535 558, Dist.-Vizianagaram (Andhra Pradesh) India

P: 08944 247009, F: 08944 247008, E: hr.rvr@hpslindia.com

Head Office: Hira Power & Steels Ltd., Urla Industrial Complex, Raipur - 492 003 (Chhattisgarh), India P: 0771 4082500, 4082600, F: 0771 4082501, E: admin@hpslindia.com

www.hpslindia.com, www.hiragroup.com



HALF YEARLY COMPLIANCE REPORT OF

THE CONDITIONS STIPULATED IN CONSENT & AUTHORIZATION

FOR

THE PERIOD OF

JULY 2022 - DECEMBER 2022

HIRA ELECTRO SMELTERS LIMITED

(FORMERLY M/S RVR SMELTERS PRIVATE LIMITED)
Plot No. 364-367, APIIC growth Center, Bobbili, Vizianagaram - 535 558

367, APIIC Growth Center, Bobbili (V & M), Vizianagaram District – 535 558 is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

HAZARDOUS WASTES WITH RECYCLING OPTION:

SI. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	Used oils	5.1 of Schedule – I		Shall be routed through M/s. APEMC so as to send to APPCB authorized re-processors / recyclers (as recyclable waste)

NON HAZARDOUS WITH DISPOSAL OPTION:

Sl.No.	Туре	Quantity (TPA)	Disposal		
1	Ferro Manganese slag	97851.18	Reused as raw material in manufacturing of silicomanganese		
2	Silico Manganese slag	59703.14	Used for filling of low lying area / land filling construction purpose		
3	Fe-Mn slag	42711.04	Reused as raw material in manufacturing of Silice		
	Fe-Cr slag 62529.5		Manganese. Used for filling of low lying area / land filling / construction purpose.		
4	Si-Mn Slag	25978.88	Use for filling of low lying area / land filling		
	Fe-Cr slag	62529.50	construction purpose		
5	Fe-Mn / Si-Mn slag	34344.96	Fe-Mn slag reused as raw material in manufacturing of Silico Manganese.		
	Fe-Cr slag	62529.50	Si-Mn& Fe-Cr slag used for filling of low lying area / land filling / construction purpose		
6	Bag filter dust	3263.00	Reused in manufacturing process.		

This consent order is valid for manufacturing the following products along with quantities indicated only:

S. No	Name of the Products and By-products	Total Quantity (TPA)
1	Ferro Manganese	100877
2	Silico Manganese	100877
3	Ferro Chrome	56845
4	Ferro Manganese+ Ferro Chrome	100877

5	Silico Manganese+ Ferro Chrome	100877	
6	Ferro Manganese+ Silico Manganese+ Ferro Chrome	100877	

Configuration furnaces	of Fe-Mn (TPA)	Si-Mn (TPA)	Fe-Cr (TPA)	Total Quantity (TPA)
	100877	NIL	NIL	100877
2x 6 MVA	NIL	100877	NIL	100877
	44032	NIL	56845	100877
	NIL	44032	56845	100877
	440)32	56845	100877

The total production capacity putting Fe-Mn, Si-Mn and Fe-Cr together should not exceed 100877 TPA and Fe-Cr should not exceed 56845 TPA.

This order is subject to the provisions of `the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the 30th day of September, 2022.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC Growth Center, Bobbili (V & M), Vizianagaram District – 535 558

Copy to:

- 1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
- The Environmental Engineer, Regional Office, Vizianagaram for information and necessary action.

SCHEDULE-A

- Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
- The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
- All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
- 4. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
- 5. The industry shall ensure that there shall not be any change in the process technology,

- source & composition of raw materials and scope of working without prior approval from the Board.
- The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
- 7. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
- 8. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
- 9. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
- 10.The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
- 11. The industry may explore the possibility of tapping the solar energy for their energy requirements.
- 12. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE-B

- 1. The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw material storage area and process area. The RO shall submit the status report on the 14 non-compliances of the industry". Now, the RO, Vizianagaram submitted a status report and informed that the industry paid balance CFO fee of Rs. 11,80,500/-, for a period upto 31.12.2025. The issue of CFO&HWA (Renewal) to industry was again placed in the CFO Committee meeting held on 04.08.2021 and the committee recommended to issue CFO& HWA (Renewal) to the industry for a period upto 30.09.2022, subject to submission of an undertaking at RO, Vizianagaram, on Rs. 100 Stamp paper stating that they will comply with the 1 non-compliance (3) mentioned in the Agenda within 3 months.
- 2. The industry shall comply with the following non-compliances:
 - 1. Not provided 2 nos of CAAQM stations, as per CFO order dated 09.06.2016,

- within 3 months. The industry shall provide 2 nos of CAAQM stations, as per CFO order dated 09.06.2016, within 3 months, i.e., by 23.11.2021.
- II. Not storing the raw materials in a closed shed. <u>The industry shall storing the raw materials in a closed shed, within 3 months, i.e., by 23.11.2021.</u>
- III. Dust is accumulated within the premises at raw material storage area and process area. The industry shall take steps to reduce the Dust accumulation within the premises at raw material storage area and process area, within 3 months, i.e., by 23.11.2021.

WATER POLLUTION:

The source of water is APIIC supply & Borewell. The following is the permitted water consumption:

Sl.	Purpose	Quantity (KLD)		
No.		Furnace-I & Furnace-II		
1	Industrial cooling, boiler feed.	120		
2	Domestic purposes.	15.0		

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards (mg/l except for pH)		
1	Total Suspended Solids (TSS at 103 – 1050C) Oil and Grease Biochemical Oxygen Demand (BOD3 at	<100.00		
Ī	Oil and Grease	10.00		
awas	Biochemical Oxygen Demand (BOD3 at 270C)	30.00		

- 4. The industry shall maintain flow meters Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.
- Closed circuit cooling system shall be adopted for cooling system. No waste water shall be discharge outside the factory premises under any circumstances.
- The industry shall construct rain-harvesting systems in their premises so that the ground water is recharged by the storm water and the industry shall not discharge any waste water from their premises by 31.10.2020.

AIR POLLUTION:

7. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards	
1 & 2	Particulate Matter	50 mg/Nm ³	

8. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m3; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m3; SO2 - 80 mg/ m3; NOx - 80 mg/m3, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A)

- 9. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act. 1986.
- 10. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
- 11. Continuous online stack monitoring facilities for all the stacks and sufficient air pollution control equipments viz., fume extraction systems with Pulse Jet bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions.
- 12. The industry shall continuously place the hood over the furnaces to suck the emissions.
- 13. The industry shall provide 25% of additional bags as spare in the Bag house to meet the emergency requirements.
- 14. Secondary fugitive emissions from furnace should be controlled within the latest permissible limits issued by the Ministry Guidelines Code of practices issued by CPCB should be followed.
- 15.The industry shall install interlocking system between air pollution control equipments/ continuous online monitoring system and raw material feeding system so that the feeding of raw material would be stopped automatically incase the air pollution control equipment fails/ emission levels exceed the prescribed standards.
- 16. The industry should not bypass the emissions from stacks under any circumstances. The industry should maintain activation recorder with the recording facility to the bypass stack in sealed condition and subject to regular inspection by the Board.
- 17. The industry should operate air pollution control equipments continuously during the operation of the unit to ensure that all the emissions from the furnaces should pass through the bag house only.
- 18. The industry shall install hourly energy meter to Air Pollution control equipments and connected to DCS.
- 19.All the raw materials should be covered and adequate dust containment / suppression measures should be maintained to control fugitive emissions.
- 20. The industry shall not cause any air pollution / dust nuisance in the surroundings
- 21. The industry shall submit AAQ monitoring reports conducted by Authorised Agency every month.
- 22. The industry shall upgrade the existing air pollution control system by installing ESP / Bag filters in order to meet the Board's standards.

GENERAL:

- 23. The industry shall not manufacture new products and not exceed the consented capacity without CFE/CFO of the Board.
- 24. The industry shall maintain good housekeeping within the plant premises.
- 25. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

a. Daily production details.

b. Quantity of Effluents generated, treated, recycled/reused and disposed.

c. Log Books for pollution control systems.

d. Inspection book.

- 26. The industry shall conduct total chemical leachate procedure (TCLP) Test for the slag before its disposal
- 27. The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems issued from time to time. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.

28. The industry should provide BT Roads for material transportation in the premises and concrete platforms with covers for storage of raw materials as well as products.

29. The industry should not dump the slag outside the factory premises. The industry should explore the possibility of using the slag for other useful purpose and should furnish detailed plan of action and obtain prior permission of the Board.

30. The industry should maintain good house keeping within the plant premises.

31. The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection.

a. Daily production details, RG-I records and Central Excise Returns.

b. Quantity of Effluents generated and disposed.

Log Books for pollution control systems.

d. Daily solid waste generated and disposed.

32. The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.

33. The industry shall comply with Task Force directions issued from time to time.

34. The industry shall renew the PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Vizianagaram on yearly base.

35. The industry shall install digital display boards at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.

36. The industry shall upload the six monthly compliance reports in APPCB regularly.

- 37. The industry shall submit half-yearly compliance report for the schedule A,B& C conditions stipulated in CFO & HWA order audited through NABL / MoEF accredited laboratories.
- 38.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

Special conditions:

39.The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

40. The industry shall prepare a safety report and carry out an independent safety audit appet of the superior and associated with such industrial activity as required under

Rule 10 of MSTHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

41. The industry shall extend training to the working personnel for the prevention of

accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.

- 42. The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.
- 43. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
- 44. The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.

SCHEDULE - C

[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

- 1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Specific Conditions:

- 10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
- 11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
- 12. The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
- 13. The industry shall maintain proper records for Hazardous and Other Wastes stated in

Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

14. Annual return shall be filed by June 30^{th} for the period ensuring 31^{st} March of the year.

The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC Growth Center, Bobbili (V & M), Vizianagaram District – 535 558

Signed by Dr. B.madhusudhana Rao Date: 23-08-2021 17:40:44 Reason: Approved

SI.No.	Specific Conditions	Status
SEHDL	JLE -A	Si in modern Administration
1	Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	We Comply.
	The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the	We have complied, Analysis of wast water discharges or emissions throug chimneys are done by M/s Ultimat Envirolytical Solutions Rapid
2	Board.	Chhattishgarh which is NABL Accrediate
		and MoEF Recognised agency Wastewater Ananlysis Report is enclose as Annexure-I & Stack Monitoring Report is attached as Annexure-II .
3	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.	We have complied.
4	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	We have complied.
	The industry shall ensure that there shall not	We have complied.
5	be any change in the process technology	
2.50	source & composition of raw materials and	CTRO SME

	scope of working without prior approval from	
	the Borad.	
	The applicant shall submit Environment	We have complied. Environmenta
	statement in Form V before 30th September	Statement in Form V of the year 2021
6	every year as per Rule No.14 of E(P) Rules,	2022 is attached as Annexure-III lates
	1986 & amendments there of.	сору.
	The applicant should make applications	We have complied.
	through Online for renewal of Consent (under	
	Water and Air Acts) and Authorization under	- The same of the
_	HWM Rules at least 120 days before the date	A CONTRACTOR OF THE PROPERTY O
7	of expiry of this order, along with prescribed	
	fee under Water and Air Acts and detailed	
	compliance of CFO conditions for obtaining	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Consent & HW Authorization of the Board.	
	The industry should immediately submit the	We have complied.
	revised application for consent to this Board	
	in the event of any change in the raw material	
	used, processes employed, quantity of trade	
	effluents & quantity of emissions. Any change	
8	in the management shall be informed to the	
	Board. The person authorized should not let	
	out the premises / lend / sell / transfer their	
	industrial premises without obtaining prior	
	permission of the State Pollution Control	
	Board.	
	Any person aggrieved by an order made by	We have complied.
	the State Board under Section 25, Section 26,	
	Section 27 of Water Act, 1974 or Section 21	
	of Air Act, 1981 may within thirty days from	
0	the date on which the order is communicated	
9	to him, prefer an appeal as per Andhra	
	Pradesh Water Rules, 1976 and Air Rules	
	1982, to Appellate authority constituted under	
	Section 28 of the Water(Prevention and	
	Control of Pollution) Act, 1974 and Section 31	



nearby public of possible accidents and remedial measures. SEHDULE -B The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, is submitting regularly. trainings in a regular interval to overcome accidents. (Training photogarphs is attached in Annexure IV) i. We have Complied. ii) TCLP reports of Ferro Manganese slag is submitting regularly.		of the Air(Prevention and Control of Pollution)	or class safe in the control of the
Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue. The industry may explore the possibility of tapping the solar energy for their energy requirements. The industry should educate the workers and nearby public of possible accidents and remedial measures. We are conducting safety awarness trainings in a regular interval to overcome accidents. (Training photogarphs is attached in Annexure IV) SEHDULE -B The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw	4	Act, 1981.	
other competent authority as per the Rules in vogue. The industry may explore the possibility of tapping the solar energy for their energy requirements. The industry should educate the workers and nearby public of possible accidents and remedial measures. SEHDULE -B The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 noncompliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw	10	Environmental Compensation / Other Environmental Taxes, if any environmental	
tapping the solar energy for their energy requirements. The industry should educate the workers and nearby public of possible accidents and remedial measures. SEHDULE -B The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		other competent authority as per the Rules in	
nearby public of possible accidents and remedial measures. SEHDULE -B The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw	11	tapping the solar energy for their energy	We will be complying, noted by us.
remedial measures. Overcome accidents. (Training photogarphs is attached in Annexure IV) SEHDULE -B O1 The Board vide order dt. 09.06.2016 issued CFO to the industry to manufacture of Ferro Alloys which was valid upto 31.12.2020. Now, the industry applied for CFO & HWA (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 noncompliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw			We are conducting safety awarness
photogarphs is attached in Annexure IV) SEHDULE -B 1. We have Complied. ii) TCLP reports of Ferro Manganese slag is submitting regularly. iii) Accumulated dust has already been cleared. (Renewal) for a period upto 31.12.2025, for a project cost of Rs. 41 Crores, with a total area of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw	12		
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of 24 acres. The issue of CFO&HWA (Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		(Renewal) for a period upto 31.12.2025, for a	cleared.
(Renewal) to industry was placed in the CFO Committee meeting held on 17.03.2021 and the committee observed the 14 non- compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		project cost of Rs. 41 Crores, with a total area	
Committee meeting held on 17.03.2021 and the committee observed the 14 non-compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		of 24 acres. The issue of CFO&HWA	
the committee observed the 14 non- compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		(Renewal) to industry was placed in the CFO	
compliances. The committee recommended "to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		Committee meeting held on 17.03.2021 and	
"to consider the issue of CFO & HWA to the industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		the committee observed the 14 non-	
industry, i) after installation of 2 CAAQM stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		compliances. The committee recommended	
stations; ii) after conducting Toxicity Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		"to consider the issue of CFO & HWA to the	
Characteristic Leaching Procedure (TCLP) Test for the slag and iii) after clearing the dust accumulated within the premises at raw		industry, i) after installation of 2 CAAQM	
Test for the slag and iii) after clearing the dust accumulated within the premises at raw		stations; ii) after conducting Toxicity	
accumulated within the premises at raw		Characteristic Leaching Procedure (TCLP)	
		Test for the slag and iii) after clearing the dust	ma territorio della superioria di la compania di l
material storage area and process area. The		accumulated within the premises at raw	
		material storage area and process area. The	CTRO SME



RO shall submit the status report on the 14 non-compliances of the industry". Now, the RO, Vizianagaram submitted a status report and informed that the industry paid balance CFO fee of Rs. 11,80,500/-, for a period upto issue of CFO&HWA 31.12.2025. The (Renewal) to industry was again placed in the CFO Committee meeting held on 04.08.2021 and the committee recommended to issue CFO& HWA (Renewal) to the industry for a period upto 30.09.2022, subject submission of an undertaking at RO, Vizianagaram, on Rs. 100 Stamp paper stating that they will comply with the 1 noncompliance (3) mentioned in the Agenda within 3 months.

The industry shall comply with the following non-compliances:

- i. Not provided 2 nos of CAAQM stations, as per CFO order dated 09.06.2016, within 3 months. The industry shall provide 2 nos of CAAQM stations, as per CFO order dated 09.06.2016, within 3 months, i.e., by 23.11.2021.
- ii. Not storing the raw materials in a closed shed. The industry shall storing the raw materials in a closed shed, within 3 months, i.e., by 23.11.2021.
- iii. Dust is accumulated within the premises at raw material storage area and process area. The industry shall take steps to reduce the Dust accumulation within the premises at raw material storage area and process area, within 3 months, i.e., by 23.11.2021.

- i) We have Complied.
- ii) Raw material covered shed is under construction.
- iii) Accumulated dust has already been removed...

2



8	WATER POL	LUTION:			reporte footb	
	The source of water is APIIC supply & Borewell. The following is the permitted water consumption:		APIIC Water line.			
		Teligipa -	Profession of	SI.	Purpose	Quantity(KLD)
						Furnace-I & Furnace-II
	19 630			1	Industrial cooling,	July'22- 3401 KL Aug'22- 3364 KL
3.					boiler feed.	Sept'22- 3247 KL Oct'22- 3435 KL
				(e4) b		Nov'22- 3542 KL Dec'22- 3219 KL
)-	-		100			20208 KL
				2	Domestic	July'22- 438 KL
					purpose	Aug'22- 440 KL
						Sept'22- 432 KL
	15		0000000		2 12 To 14 C C	Oct'22 – 443 KL
					Ę.	Nov'22- 435 KL
			- ' ×			Dec'22- <u>441 K</u> L
						2629.KL
	Separate me	eters with neces	ssary pipe-line	We	have Complie	d.
	shall be maintained for assessing the quantity			Treated Effluent Parameters are within		
	of water use	of water used for each of the purposes				hed in Annexure – I
)	mentioned at	bove. The efflue	ent discharged	(Flov	w meters with	Pipe lines photographs
	shall not conta	shall not contain constituents in excess of the			Enclosed as Annexure- V).	
	tolerance limits mentioned below:					70100
	Outlet	Parameter	Limiting			178.1
			Standards			
			(mg/l except			
			for pH)			
		Total	<100.00			
		Suspended				8
	01	Solids (TSS at				
		103-1050C)	10.00		10.3	
		Oil & Grease	10.00		4	TRU SME
					(A)	LRS .
					12	DE S

		Biochemical		
		Oxygen	20.00	The second of th
		Demand	30.00	
		(BOD3 270C)	at	
	Tho in	dustry shall main	tain flow meters	s We have complied.
		Magnetic flow met		
4	1 1 2 3	er and effluent quan		
	A BASSAGE	rent streams of efflo		
	order.	es of water usage	stipulated in this	
	Closed	circuit cooling	system shall be	We are maintaining zero liquid discharge
	13400	Cive of the Comment		
5	adopted for cooling system. No waste water			Entertone de despetator (Compressonant Compresson Harto Compresson de la Serie de Se
	shall be discharge outside the factory premises under any circumstances.			
	1	THE LANGE AND ADD		purpose. RWH System photograph enclosed a
	TA SHAN G	lustry shall constru		
6	14.5	in their premises		V Section Address to the section of
0	water is recharged by the storm water and the			
	industry shall not discharge any waste water from their premises by 31.10.2020.			
		LLUTION:	0.2020.	
			natain aspatituset	We have complied Stack Manitoring
				We have complied, Stack Monitoring i
	in excess of the prescribed limits			also conducted by UES Raipu
_				Chhattisgarh Results are within lim
7.	01:	D	The transfer of	reports are attach. Annexure – II
	Chimn	Parameter	Limiting (mg/	
	ey No.		except for pH)	
	1 & 2	Particular Matter	50 mg/Nm ³	



The industry shall comply with ambient air We have complied, Ambient air quality quality standards of PM10 (Particulate Matter Monitoring is also conducted by UES size less than 10mm) - 100 mg/ m3; PM2.5 Raipur Chhattisgarh Results are within (Particulate Matter size less than 2.5 mm) limit reports are attached Annexure- VII. 60 mg/ m3; SO2 - 80 mg/ m3; NOx - 80 mg/m3, outside the factory premises at the periphery of the industry. Standards for other 8 parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Level: Day time (6 AM to 10 PM)-75dB(A) & Night time (10AM to 6 AM)-70dB (A) The industry shall comply with emission limits We have complied, DG Set Emission for DG sets of capacity upto 800 KW as per Monitoring is also conducted by UES Notification the G.S.R.520 (E), dated Raipur Chhattisgarh Results are within 01.07.2003 G.S.R.448(E), and dated limit reports are attached. - Annexure 12.07.2004 under the Environment VIII 9. (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986. The industry shall provide a sampling port Sampling port, a platform with ladder and with removable dummy of not less than 15 a 15 AMP 250 V plug point have been cm diameter in the stack at a distance of 8 already provided in the stack as per times the diameter of the stack from the APPCB norms. nearest constraint such as bends etc. A (Sampling port photos enclosed 10 platform with suitable ladder shall be provided Annexure-IX) below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform. QO SM

	Continuous online stack monitoring facilities	We have Complied. Already installed.
	for all the stacks and sufficient air pollution	The state of the s
11	control equipments viz., fume extraction	
-11-	systems with Pulse Jet bag filters, ID fan and	
	stack of adequate height to submerged arc	
	furnace shall be provided to control	
	emissions.	
12	The industry shall continuously place the	We have Complied.
	hood over the furnaces to suck the emissions.	(Photographs enclosed as Annexure X)
	The industry shall provide 25% of additional	We have Complied.
13	bags as spare in the Bag house to meet the	COST PER
	emergency requirements.	in a specific in the second section
	Secondary fugitive emissions from furnace	We have complied, Fugitive Emmission
	should be controlled within the latest	report are attached in Annexure –XI
14	permissible limits issued by the Ministry	
	Guidelines Code of practices issued by CPCB	
	should be followed.	
	The industry shall install interlocking system	Interlocking facility is provided in between
	between air pollution control equipments/	raw material loading conveyor and Air
	continuous online monitoring system and raw	pollution control equipment.
4.5	material feeding system so that the feeding of	
15	raw material would be stopped automatically	8 10 F = F = T (0 F
	incase the air pollution control equipment	
	fails/ emission levels exceed the prescribed	
	standards.	
	The industry should not bypass the emissions	We have complied.
	from stacks under any circumstances.	
40	The industry should maintain activation	
16	recorder with the recording facility to the	ale al of the
	by□pass stack in sealed condition and	
	subject to regular inspection by the Board.	
	The industry should operate air pollution	We are operating air pollution control
4=	control equipments continuously during the	equipments continuously. Bagfilters are
17	operation of the unit to ensure that all the	installed in both the furnaces.
	emissions from the furnaces should pass	
	TRO SA	

20E8H.1

	through the bag house only.	Walter State of the second
18	The industry shall install hourly energy meter to Air Pollution control equipments and connected to DCS.	Already installed. Photograph of energineter is attached as Annexure-XII
19	All the raw materials should be covered and adequate dust containment / suppression measures should be maintained to control fugitive emissions.	,
20	The industry shall not cause any air pollution / dust nuisance in the surroundings	We have Complied.
21	The industry shall submit AAQM monitoring reports conducted by Authorised Agency every month.	Monitoring is conducted every month I UES Raipur Chhattishgarh repor attached. Annexure-VII
22	The industry shall upgrade the existing air pollution control system by installing ESP / Bag filters in order to meet the Board's standards.	We have Complied. We have alreading installed high efficient bag filters for controlling emissions as per Board standards.
	GENERAL:	
23.	The industry shall not manufacture new products and not exceed the consented capacity without CFE/CFO of the Board.	We have Complied.
24	The industry shall maintain good housekeeping within the plant premises.	We have Complied.
25.	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board.	
Α	Daily production details.	We have Complied.
В	Quantity of Effluents generated, treated, recycled/reused and disposed	We have Complied.
С	Log Books for pollution control systems.	We have Complied.
D	Inspection book.	We have Complied.
26	The industry shall conduct total chemical leachate procedure (TCLP) Test for the slag	Reports of TCLP Test are attached a Annexure XIV.

		1
	The industry shall comply with CPCB	We have Complied.
	directions dated 05.02.2014 / 02.03.2015 and	The leading large products at I
	guidelines issued regarding online monitoring	TO BUT THE BEST OF
27	systems issued from time to time. The online	
	monitoring system shall be calibrated	and following placements are an in the
	periodically as per equipment suppliers	The second section of the section
	manual / CPCB guidelines.	
	The industry should provide BT Roads for	We have Complied.
28	material transportation in the premises and	(Photographs enclosed as Annnexure
	concrete platforms with covers for storage of	XV)
d Bild	raw materials as well as products.	A 17 Mary Marke Volkson Mr. Brit.
Hayos	The industry should not dump the slag	We have Complied.
	outside the factory premises. The industry	LHOCKET STEENER
29	should explore the possibility of using the slag	and the space March with hear Tirks
20	for other useful purpose and should furnish	and the second second second
	detailed plan of action and obtain prior	
	permission of the Board.	11 12 1
30	The industry should maintain good house	We have Complied.
50	keeping within the plant premises.	and the state of t
	The industry shall maintain the following	We have Complied.
31	records and the same shall be made	
01	available to the Board Officials during the	and the second s
	inspection.	and a supplier of the entropy of
Α	a. Daily production details, RG-I records and	We have Complied.
^	Central Excise Returns.	
В	Quantity of Effluents generated and disposed	We have Complied.
С	Log Books for pollution control systems.	We have Complied.
D	Daily solid waste generated and disposed.	We have Complied.
	The industry shall develop green belt in all the	We have Complied.
	vacant places. In future, excess green belt	(Plantation data and area of plantation
32.	over and above 33 % of total area can be	marked in map Enclosed as Annexure-
	utilized for industrial activity as per	XVI)
	requirement of industry.	tel Essissa mede umase seri
33	The industry shall comply with Task Force	We have Complied.
00	directions issued from time to time.	lakosam zai molecu
	(TRO SMA)	

	The industry shall account to Dill action which	We have Complied
34	The industry shall renew the PLI policy which includes Environmental Relief Fund (ERF)	
34	and submit copy to RO, Vizianagaram on	
	yearly base.	
1132	The industry shall install digital display boards	We have Complied.
	at publicly visible places at the main gate	
	indicating the products, effluent discharge	
35	standards, air emission standards, hazardous	A THE RESERVE AS A STREET OF THE STREET, STREE
	waste quantities and validity of CFO and	
	exhibit the CFO order at a prominent place in	
	the factory premises.	
36	The industry shall upload the six monthly	We have Complied.
30	compliance reports in APPCB regularly.	BENEZIA CONTRA
	The industry shall submit half-yearly	We have Complied.
	compliance report for the schedule A,B& C	
37	conditions stipulated in CFO & HWA order	
	audited through NABL / MoEF accredited	
	laboratories.	
	Any other directions / circulars / notices	We have Complied.
38	issued by CPCB, MoEF&CC and APPCB	
	shall be followed from time to time.	
	Special conditions:	
	The industry shall submit a copy of the NOC	We are going to obtain very soon.
	issued by the Andhra Pradesh State Disaster	
39	Response and Fire Service Dept.,	
	(APSDRFSD) at concerned Regional Office,	
	APPCB.	The specific of the control of the c
	The industry shall prepare a safety report and	Already submitted with Regional office,
	carry out an independent safety audit report	APPCB, Vizianagaram
	of the respective industrial activities including	10 / 10 10 10 0 mm
40	chemical storages / isolated storages by an	
	expert not associated with such industrial	
	activity as required under Rule 10 of MSIHC	recovered to the control of the cont
	Rules, 1989 and get it approved by the	
	Factories Dept., and submit the compliance	the purious to institute a

-69

	along with copy of the safety report, safety	
	audit report and safety certificate at	the entreligenmenter in analysismily
	concerned Regional Office, APPCB.	
	The industry shall extend training to the	We have Complied.
	working personnel for the prevention of	
41	accidents and necessary antidotes to ensure	on or possible officers are for the
	safety, as per the MSIHC Rules, 1989.	
	The industry shall carryout calibration of	We have Complied.
	safety equipment and leak detection systems	(Calibration Cerficate enclosed a
	at regular intervals and shall certify the same	Annexure XVIII)
42	with the Factories Department. That certified	and and a factorial and a fact
	copy shall be submitted to the APPCB,	to the substitute and
		The second secon
	Regional Office.	We are going to obtain your soon
	The industry shall install fluorescent Wind	We are going to obtain very soon.
43	Vane at the highest point in the industry	
	premises.	All I have the device Device of office
	The industry shall submit Risk analysis and	Already submitted with Regional office
	risk assessment covering worst scenario	APPCB, Vizianagaram.
44	clearly describing impact within the industry	and the production of the second
	premises and outside the industry premises	The first of the second of the
	and emergency response system.	· r in the compare of the term
	SCHEDULE - C	Professional Selection (Professional Selection (Profession (Profes
	The authorised person shall comply with the	We have Complied.
1	provisions of the Environment (Protection)	
	Act, 1986, and the rules made there under.	the state of the s
	The authorisation shall be produced for	We have Complied.
_	inspection at the request of an officer	75 - 467 8
2	authorised by the State Pollution Control	
	Board.	
	The person authorised shall not rent, lend,	We have Complied.
	sell, transfer or otherwise transport the	or processed a designation of the
3	hazardous and other wastes except what is	
	permitted through this authorisation.	ON THE OWNER OF THE SECOND SECOND
	Any unauthorised change in personnel,	We have Complied.
4	equipment or working conditions as	
	STATE OF SMALL	

	mentioned in the application by the person	equipment or working conditions as
	authorised shall constitute a breach of his	mentioned will be done.
	authorisation.	
	The person authorised shall implement	We have Complied.
	Emergency Response Procedure (ERP) for	
	which this authorisation is being granted	the stacks sittings and may also be on
5	considering all site specific possible scenarios	entropy can be able to the supervisor.
	such as spillages, leakages, fire etc. and their	entra di compressione e la compressione
	possible impacts and also carry out mock drill	COM DESCRIPTIONS AND ELECTRICAL
	in this regard at regular interval of time;	surfluidity groupes to hopeus
	The person authorised shall comply with the	We have Complied.
	provisions outlined in the Central Pollution	
0	Control Board guidelines on "Implementing	THE PROPERTY OF THE PROPERTY OF THE
6	Liabilities for Environmental Damages due to	grave many others draw in
	Handling and Disposal of Hazardous Waste	ren está en un como entre por necesario
	and Penalty".	The second second second second
	It is the duty of the authorised person to take	We have Complied.
7	prior permission of the State Pollution Control	
	Board to close down the facility.	
	An application for the renewal of an	We have Complied.
8	authorisation shall be made as laid down	
	under these Rules.	
	Any other conditions for compliance as per	We have Complied.
	the Guidelines issued by the Ministry of	
9	Environment, Forest and Climate Change or	
	Central Pollution Control Board from time to	
	time.	9 /
	Specific Conditions:	
	The industry shall not store hazardous waste	We have Complied.
10	for more than 90 days as per the Hazardous	
10	and Other Wastes (Management &	
	Transboundary Movement) Rules, 2016.	
	The industry shall store Used / Waste Oil and	II - Linu - Can - Linux - Can
11	Used Lead Acid Batteries in a secured way in	Used / Waste Oil and Used Lead Acid
	their premises till its disposal to the	Batteries are kept in a secured place
		separately.
		RA A STATE
		E S
		OPET 1

BBIL

	manufacturers / dealers on buyback basis.	
	The industry shall maintain 7 copy manifest	We have Complied.
	system for transportation of waste generated	
	and a copy shall be submitted to concerned	
	Regional Office of APPCB. The driver who	
12	transports Hazardous Waste should be well	ere per exercise radio
	acquainted about the procedure to be	Company of the contract of the
	followed in case of an emergency during	and the state of t
	transit. The transporter should carry a	
	Transport Emergency (TREM) Card.	The state of the s
	The industry shall maintain proper records for	Latest Annual return Form-3 E waste
	Hazardous and Other Wastes stated in	Annual return Form 4 of Hazardou
	Authorisation in Form-3 i.e., quantity of	Waste of the year 2021-2022 attached a
	Incinerable waste, land disposal waste,	Annexure- XIX.
13	recyclable waste etc., and file annual returns	of the transfer of the second
13	in Form-4 as per Rule 20 (2) of the	
	Hazardous and Other Wastes (Management	
	& Transboundary Movement) Rules, 2016.	
		river or an army with putting that
	sulights 3 seems of Visits 1	
14	Annual return shall be filed by June 30th for	We have Complied.
14	the period ensuring 31st March of the year.	



Format No.: UES/FORM/09



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

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Name & Address Of The Custamer To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	REPORT NO.	UES/TR/22-23/0187	1
	LAB REF NO.	UES/22-23/ST/03786 18/07/2022 20/07/2022 26/07/2022	
	DATE OF SAMPLING		
	DATE OF RECEIPT		
	DATE OF REPORT		
	DATE OF ANALYSIS	Start:20/07/2022	End: 26/07/2022
SAMPLI	EDETAILS		
Monitoring For	Stack Emission Moni	toring	
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	6 MVA Furnace-B		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:20 Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2		
Sample Quantity/Packing	Thimble: 1 X 1 No		

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-I
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from grou	und level (1	neter)	transmirth (i.e. or or remaining the activity (i.e.) that subjects	35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top				CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008	-	116
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	-	9.8
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008	***************************************	84864.2
Sulphur Dioxide (SO ₂)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	342
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	168
02	%	IS 13270:1992, RA 2009	-	7.2
CO ₂	%	IS 13270:1992, RA 2009		6.4
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		736.8
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	38.6

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Sample Quantity/Packing	Thimble: 1 X 1 No.	, SO ₂ : 30 ml X 1 No. Bottle, Rubber Blade	PVC Bottle, NOx	
Sampling Procedure		1985 Reaffirmed 2005 rmed 2012, IS 5182		
Sample Collected By	Laboratory Chemist			
Sampling Location	6 MVA Furnace-A			
Customer Ref. No. & Date	7200004005/U104, D	ATED:16.06.2022		
Monitoring For	Stack Emission Mon	itoring	Parametria de Directo antido antido de la como	
SAMPLI	DETAILS		THE STATE OF STATE	
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS	Start:20/08/2022	END: 25/08/202	
Growth Center, Bobbili (V) & (M),	DATE OF REPORT	25/08/2022		
Plot No.364 to 367, APIIC,	DATE OF RECEIPT	18/08/2022 20/08/2022		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING			
To,	LAB REF NO.	UES/22-23/ST/07043		
Name & Address Of The Customer	REPORT NO. UES/TR/22-23/02407			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-A
Stack Attached To	was to and the contract of the property	and the state of t		BAG FILTER MS PLATE
Material Of Construction				35.0 MTR
Height of the stack from groun	nd level (m	eter)		2.0 MTR
Stack Diameter Stack Shape At Top				CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008		108
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	9	6.8
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		60121.8
Sulphur Dioxide (SO ₂)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	228
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	136
02	%	IS 13270:1992, RA 2009	-	9.8
CO ₂	%	IS 13270:1992, RA 2009	-	10.2
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	-	734.2
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	32.8

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Name & Address Of The Customer	REPORT NO.	ORT NO. UES/TR/22-23/02408		
To,	LAB REF NO.	UES/22-23/ST/07044		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING	18/08/2022		
Plot No.364 to 367, APIIC,	DATE OF RECEIPT	20/08/2022 25/08/2022 Start:20/08/2022 End: 25/08/		
Growth Center, Bobbili (V) & (M),	DATE OF REPORT			
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS			
SAMPLE	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-B			
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.,			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-B
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from groun	nd level (m	eter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top				CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008	-	112
Flue Gas Velocity	M/s	IS:11255:(Part -3):2008	-	7.4
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008	-	64746.9
Sulphur Dioxide (SO2)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	314
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	146
02	%	IS 13270:1992, RA 2009	-	9.4
CO ₂	%	IS 13270:1992, RA 2009	-	10.4
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		734.2
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	36.4

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Name & Address Of The Gustomer	REPORT NO.	UES/TR/22-23/0311	1	
To,	LAB REF NO.	UES/22-23/ST/08320		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING	22/09/2022 24/09/2022 28/09/2022		
Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M),	DATE OF RECEIPT			
	DATE OF REPORT			
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS	Start:24/09/2022	END: 28/09/2022	
SAMPL	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-A			
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, NO _X : 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No.,			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-A
Stack Attached To	20			BAG FILTER
Material Of Construction	4.00			MS PLATE
Height of the stack from grou	nd level (n	eter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top	28 MIC STOTE TO STOTE TO STOTE			CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008		114
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008		7.6
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		66153.2
Sulphur Dioxide (SO2)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	268
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	162
02	%	IS 13270:1992, RA 2009		9.2
CO ₂	%	IS 13270:1992, RA 2009		10.2
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		733.4
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	30.8

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Name & Address Of The Customer	REPORT NO. UE5/TR/22-23/03112		
To,	LAB REF NO.	UES/22-23/ST/08321 22/09/2022 24/09/2022	
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING		
Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	DATE OF RECEIPT		
	DATE OF REPORT	28/09/2022	
	DATE OF ANALYSIS	Start:24/09/2022 End: 28/09/20	
SAMPLI	E DETAILS	A CONTRACTOR OF THE PARTY OF	Colored and the second
Monitoring For	Stack Emission Monitoring		
Customer Ref. No. & Date	7200004005/U104, DA	TED: 16.06.2022	
Sampling Location	6 MVA Furnace-B		
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.,		

		TEST REPORT		
Stack details			April 1	
Stack Identity				6 MVA Furnace-B
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from grou	nd level (n	neter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top				CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C ,	IS:11255: (Part -3):2008		104
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008		8.6
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		76843.2
Sulphur Dioxide (SO2)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	298
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	128
02	%	IS 13270:1992, RA 2009		8.6
Ç0 ₂	%	IS 13270:1992, RA 2009		10.8
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		733.4
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	34.8

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Name & Address Of The Customer .	REPORT NO. UES/TR/22-23/04368			
To,	LAB REF NO.	UES/22-23/ST/01025	59	
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING	13/10/2022	13/10/2022	
Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	DATE OF RECEIPT	15/10/2022 19/10/2022		
	DATE OF REPORT			
	DATE OF ANALYSIS	Start: 15/10/2022 End: 19/10/202		
SAMPL	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, D	ATED: 16.06.2022		
Sampling Location	6 MVA Furnace-A			
Sample Collected By	Laboratory Chemist			
Sampling Frocedure	IS 11255 Part 1,2:1965 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, NO _X 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No.,			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-A
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from grou	nd level (m	eter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top	1		CENTER VOLUME	CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008	-	117
Flue Gas Velocity	M/s	IS:11255:(Part-3):2008		7.9
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		68235.6
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	273
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	168
02	%	IS 13270:1992, RA 2009		9.4
CO ₂	%	IS 13270:1992, RA 2009		10.7
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		739.6
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	31.2

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Subhajeet 13/19/2022

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Name & Address Of The Customer	REPORT NO.	UES/TR/22-23/04369		
To,	LAB REF NO.	UES/22-23/ST/010260 13/10/2022		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING			
Plot No.364 to 367, APIIC,	DATE OF RECEIPT	15/10/2022		
Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	DATE OF REPORT	19/10/2022		
	DATE OF ANALYSIS	Start: 15/10/2022	End: 19/10/2022	
SAMPL	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DA	TED: 16.06.2022		
Sampling Location	6 MVA Furnace-B			
Sample Collected By	Laboratory Chemist		May Nothern House and the second	
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.,			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-E
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from grou	und level (1	meter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top				CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008		107
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	-	9.1
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008	-	80668.9
Sulphur Dioxide (SO ₂)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	301
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	132
02	%	IS 13270:1992, RA 2009		9.0
CO ₂	%	IS 13270:1992, RA 2009		11.2
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		735.6
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	36.2

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Subhajeet

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Name & Address Of The Customer	REPORT NO.	UES/TR/22-23/04495		
To,	LAB REF NO.	UES/22-23/ST/010326		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING	15/11/2022	15/11/2022	
Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	DATE OF RECEIPT	17/11/2022		
	DATE OF REPORT	21/11/2022		
	DATE OF ANALYSIS	Start: 17/11/2022	End: 21/11/2022	
SAMPL	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-A			
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, NO. 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No.,			

		TEST REPORT		
Stack details	MENT HAVE THE THE TAX OF THE		THE PERSON AND COLUMN	AND THE RESIDENCE OF THE PARTY
Stack Identity				T 7 100 0
Stack Attached To	7.5100			6 MVA Furnace-A
Material Of Construction	4.00			BAG FILTER MS PLATE
Height of the stack from grou	and level (neter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top	10.754			CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008		112
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008		7.6
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		66496.9
Sulphur Dioxide (SO2)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	264
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	152
02	%	IS 13270:1992, RA 2009		9.2
CO ₂	%	IS 13270:1992, RA 2009		***************************************
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	H. S. M. W.	10.5
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA	50	739.8

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Name & Address Of The Customer	REPORT NO.	UES/TR/22-23/04496	5	
To,	LAB REF NO.	UES/22-23/5T/010327 15/11/2022 17/11/2022 21/11/2022		
M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APHC, Growth Center, Bobbili (V) & (M),	DATE OF SAMPLING			
	DATE OF RECEIPT			
	DATE OF REPORT			
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS	Start: 17/11/2022	End: 21/11/2022	
SAMPL	E DETAILS			
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-B			
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.,			

		TEST REPORT			
Stack details					
Stack Identity	4	150,000		6 MVA Furnace-B	
Stack Attached To				BAG FILTER	
Material Of Construction				MS PLATE	
Height of the stack from grow	nd level (m	eter)		35.0 MTR	
Stack Diameter				2.0 MTR	
Stack Shape At Top				CIRCULAR	
Parameter Parame	Unit	Method Reference	Limit	Result	
Flue Gas Temperature	°C	IS:11255: (Part -3):2008	•	104	
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	The Paris	8.6	
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		76843.2	
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	298	
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	129	
02	%	IS 13270:1992, RA 2009	Contraction (Contraction)	9.4	
CO ₂	%	IS 13270:1992, RA 2009		10.8	
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	J. 107-1	739.8	
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	38.4	

REMARKS: RESULTS ARE AS ABOVE

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

21/11/2022

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End of the test report-

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

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Name & Address Of The Customer	REPORT NO.	UES/TR/22-23/05415 UES/22-23/ST/012138		
To,	LAB REF NO.			
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING	13/12/2022 15/12/2022		
Plot No.364 to 367, APIIC,	DATE OF RECEIPT			
Growth Center, Bobbili (V) & (M),	DATE OF REPORT	19/12/2022		
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022	
SAMPL	E DETAILS		47 - MARIE - 1 A - 1 A - 1	
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-A			
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, NO. 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No.,			

		TEST REPORT		
Stack details				
Stack Identity				6 MVA Furnace-A
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from grou	nd level (m	eter)		35.0 MTR
Stack Diameter	N. School			2.0 MTR
Stack Shape At Top	9464,6491,9482,9666			CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008		120
Flue Gas Velocity	M/s	IS:11255:(Part -3):2008		9.5
Total Gas Quantity	Nm³/h	IS:11255: (Part -3):2008		81429.1
Sulphur Dioxide (SO2)	mg/Nm³	IS 11255 (Part 2):1985, RA 2003	600	268
Oxides Of Nitrogen (NOx)	mg/Nm³	IS 11255 (Part 7):2005, RA 2012	300	164
O ₂	%	IS 13270:1992, RA 2009		9.2
CO ₂	%	IS 13270:1992, RA 2009		9.8
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008		740.1
Total Particulate Matter (TPM)	mg/Nm³	IS :11255 :(Part -1):1985, RA 2003	50	32.6

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Name & Address Of The Customer	REPORT NO.	UES/TR/22-23/05416		
To,	LAB REF NO.	UES/22-23/ST/012139 13/12/2022		
M/s. Hira Electro Smelters Limited,	DATE OF SAMPLING			
Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M),	DATE OF RECEIPT	15/12/2022		
	DATE OF REPORT	19/12/2022		
District -Vizianagaram, Andhra Pradesh	DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022	
SAMPLI	E DETAILS	the contact of the contact of		
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022			
Sampling Location	6 MVA Furnace-B			
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.,			

Stack details				
Stack Identity				6 MVA Furnace-B
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from groun	nd level (n	neter)		35.0 MTR
Stack Diameter				2.0 MTR
Stack Shape At Top			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	CIRCULAR
Parameter	Unit	Method Reference	Limit	Result
Flue Gas Temperature	°C	IS:11255: (Part -3):2008	1 7 1 ±	112
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008		10.8
Total Gas Quantity	Nm³/h	IS :11255: (Part -3):2008		94495.6
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	298
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	142
02	%	IS 13270:1992, RA 2009		9.3
CO ₂	%	IS 13270:1992, RA 2009	* -	10.6
Absolute Pressure	mmHg	IS :11255 (Part -3):2008	4	739.2
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	37.4

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Format No.: UES/FORM/09



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Name & Address Of The Customer Report No UES/TR/22-23/01872 To, Lab. Ref. No. UES/22-23/W/03787 M/s. Hira Electro Smelters Limited, Date of Sampling 18/07/2022 Plot No.364 to 367, APIIC, Date of Receipt 20/07/2022 Growth Center, Bobbili (V) & (M), Date of Report 26/07/2022 District -Vizianagaram, Andhra Pradesh Date of Analysis Start:20/07/2022 End: 26/07/2022 SAMPLE DETAILS

Customer Sample ID	Neutralization pit Water	Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022
Sample Type	Neutralization pit Inlet Water Neutralization pit Outlet 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. 5 Ltr.

TEST REPORT								
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	Neutralization pit Inlet Water	Neutralization pit Outlet Water		
1	pH Value at 25.2°C	-	IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	7.58	7.16		
2	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	98.0	24.0		
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	250	178.0	22.0		
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014	30	16.4	8.6		
5	Oil & Grease	mg/L	IS:3025:(Part-	10	2.6	N.D.		

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Name & Address Of The Customer Report No UES/TR/22-23/02409 To, Lab. Ref. No. UES/22-23/W/07045-07046 M/s. Hira Electro Smelters Limited, Date of Sampling 18/08/2022 Plot No.364 to 367, APIIC, **Date of Receipt** 20/08/2022 Growth Center, Bobbili (V) & (M), **Date of Report** 25/08/2022 District -Vizianagaram, Andhra Pradesh Date of Analysis Start:20/08/2022 End: 25/08/2022 SAMPLE DETAILS Customer Sample ID Neutralization pit Water Customer Ref. No. & Date 7200004005/U104, DATED:16.06.2022 1. Neutralization pit Inlet Water Sample Condition At Sample Type 2. Neutralization pit Outlet Water Receipt Jerry Cane (3 ltr. *1) Packing of Sample Sample Collected By **Laboratory Chemist** Glass bottle (1 ltr. *1) Other Details Sealed Quantity Received Approx. 5 Ltr.

TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	Neutralization pit Inlet Water	Neutralization pit Outlet Water	
1	pH Value at 25.2°C	_	IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	8.62	7.56	
2	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	108.0	32.0	
3	Chemical Oxygen Demand	mg/L	IS:3025: (Part- 58):2006, RA 2012	250	142.0	54.0	
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part- 44):1993 RA 2014	30	22.8	10.8	
5	Oil & Grease	mg/L	IS:3025:(Part- 39):1986	10	1.2	N.D.	

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

REMARKS: RESULTS ARE AS ABOVE

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Hame & Address Of The Cust	amer .	Report No	UES/TR/22-23/0311	3
To,		Lab. Ref. No.	UES/22-23/W/08322	-08323
	ro Smelters Limited,	Date of Sampling	22/09/2022	
Plot No.364 to		Date of Receipt	24/09/2022 28/09/2022	
	Bobbili (V) & (M),	Date of Report		
District -vizian	agaram, Andhra Pradesh	Date of Analysis	Start:24/09/2022	End: 29/09/2022
	SAMP	PLE DETAILS		
Customer Sample ID	Neutralization pit Water	Customer Ref. No. & Date	7200004005/u104, dated:16.06.2022	
Sample Type	Neutralization pit Inlet Water Neutralization pit Outlet 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. 5 Ltr.	

	TEST REPORT						
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	Neutralization pit Inlet Water	Neutralization pit Outlet Water	
1	pH Value at 25.2°C		IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	7.86	7.24	
2 '	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	98.0	42.0	
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	250	162.0	24.0	
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014	30	26.4	8.6	
5	Oil & Grease	mg/L	IS:3025:(Part- 39):1986	10	1.4	N.D.	

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Other Details

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Name & Address Of The Gustomer Report No UES/TR/22-23/04370 To, UES/22-23/W/010261-010262 Lab. Ref. No. M/s. Hira Electro Smelters Limited, **Date of Sampling** 13/10/2022 Plot No.364 to 367, APIIC, **Date of Receipt** 15/10/2022 Growth Center, Bobbili (V) & (M), Date of Report 19/10/2022 District -Vizianagaram, Andhra Pradesh Start: 15/10/2022 End: 19/10/2022 **Date of Analysis** SAMPLE DETAILS Customer Ref. No. & Date 7200004005/u104, dated:16.06.2022 **Customer Sample ID Neutralization pit Water** Sample Condition At 1. Neutralization pit Inlet Water Sample Type 2. Neutralization pit Outlet Water Receipt Jerry Cane (3 ltr. *1) Sample Collected By **Laboratory Chemist Packing of Sample** Glass bottle (1 ltr. *1) Approx. 5 Ltr. Quantity Received

	TEST REPORT						
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	Neutralization pit Inlet Water	Neutralization pit Outlet Water	
1	pH Value at 25.2°C	-	IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	7.88	7.28	
2	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	96.0	38.0	
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	250	160.0	22.0	
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014	30	26.2	8.4	
5	Oil & Grease	mg/L	IS:3025: (Part- 39):1986	10	1.2	N.D.	

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

Sealed

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End of the test report-

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19/10/2022

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Name & Address Of The Cust	omer	Report No	UES/TR/22-23/0439	:
To,		Lab. Ref. No.	UES/22-23/W/01028	Commission of the section of the sec
	ro Smelters Limited,	Date of Sampling	15/11/2022	13-010230
Plot No.364 to		Date of Receipt	17/11/2022	
District Vigion	Bobbili (V) & (M), agaram, Andhra Pradesh	Date of Report	21/11/2022	
District -Viziali	agaram, Andhra Fradesh	Date of Analysis	Start:17/11/2022	End:21/11/2022
	SAME	LE DETAILS		
Customer Sample ID	Neutralization pit Water	Customer Ref. No. & Date	7200004005/u104, dated:16.06.2022	
Sample Type	Neutralization pit Inlet Water Neutralization pit Outlet 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							
				LIMITS AS	RES	ULT		
SR. NO.	PARAMETER		Neutralization pit Inlet Water	Neutralization pit Outlet Water				
1	pH Value at 25.2°C		IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	7.45	7.76		
2	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	94.0	36.0		
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	250	158.0	32.0		
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014	30	28.4	9.2		
5	Oil & Grease	mg/L	IS:3025:(Part- 39):1986	10	1.1	N.D.		

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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



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Name & Address Of The Customer UES/TR/22-23/05417 Report No To, UES/22-23/W/012140-012141 Lab. Ref. No. M/s. Hira Electro Smelters Limited, Date of Sampling 13/12/2022 Plot No.364 to 367, APIIC, Date of Receipt 15/12/2022 Growth Center, Bobbili (V) & (M), Date of Report 19/12/2022 District -Vizianagaram, Andhra Pradesh Date of Analysis Start: 15/12/2022 End: 19/12/2022 SAMPLE DETAILS 7200004005/u104, dated:16.06.2022 Customer Ref. No. & Date **Customer Sample ID** Neutralization pit Water 1. Neutralization pit Inlet Water Sample Condition At Sample Type 2. Neutralization pit Outlet Water Receipt Jerry Cane (3 ltr. *1) **Laboratory Chemist** Sample Collected By **Packing of Sample** Glass bottle (1 ltr. *1) Approx. 5 Ltr. **Quantity Received** Other Details Sealed

	TEST REPORT						
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	Neutralization pit Inlet Water	Neutralization pit Outlet Water	
1	pH Value at 25.2°C	1-	IS:3025:(Part- 11): 1983, RA 2012	5.5 To 9.0	7.84	7.26	
2	Total Suspended Solid	mg/L	IS:3025:(Part- 17): 1984, RA 2012	100	98.0	39	
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	250	168.0	28.0	
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014	30	27.5	9.2	
5	Oil & Grease	mg/L	IS:3025: (Part- 39):1986	10	1.3	N.D.	

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

REMARKS: RESULTS ARE AS ABOVE

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-End of the test report-----



EMIZZONOSATH LARGOMEZZONOS SPORTELLER DECEMBER Contra April 1980/2021 DE DECEMBER DE BENNE A COLLETTO DE PERISONOS VICINISPERSONOS DE PROMETER A DEPORTE DE PROMETER A DEPORTE A DEPORTE DE PORTE DE PROMETER A DEPORTE DE P

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Ref: HESL/LTR/2021-22/043

To

The Environmental Engineer, A. P. Pollution Control Board, Regional Office, D. No. 8-30-19, Sai Nagar, Thotapalem, Vizianagaram, A. P. - 535 002

Sub: Submission of Environmental Statement (Form-V) for the Financial Year 2021-2022- Reg.

Respected Sir,

We are submitting herewith the Environmental Statement in Form-V as prescribed under the 14 of EPA act, 1986 for the Financial Year 2021 2027 of M/s. Hira Electro Smelters Limited, Plot No. 364-367, APIIC, Growth Centre, Bobbiti, Vizianagaram Dist.

Kindly acknowledge the receipt of the same.

Thanking You,

Yours faithfully, For, HIRA ELECTRO SMELTERS WHITED

Authorised Signatory

Encl: Environmental Statement-(Form-V) for the Financial Year 2021-2022.

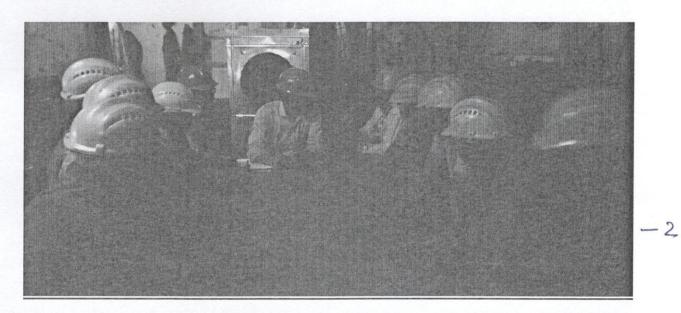
Cc to:

- The Member Secretary, APPCB, D.No.33-26/14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada-520 C10.
- The Additional Principal Chief Conservator of Forests ©, Regional Office, MOEF(Ministry of Environment Forest & Climate Change 1st & 2st Floor, HEPC building No. 34, Cathedral Garden Road, Nugambakkam, Chennai 600 034.

ilters Ltd. (selfers Pvt. Ltd.) EH5272388331M (195:3773) 22238833 SA BORDOT HIS (2020) E-622236728 | E-Ma69765-1238728 Counter Not1, 15/06/2022, 11:32 Res D PROBLI S.E (535558) To:THE PERSON HAVE PROUBLED TON Doubler Noting 5/29/2023 12:32 PINES2000, Weithete Sourceparage SLO Table MOL FR , NO OHS HI From a HIGH ELECTRIC POBBILI file occurs, karanteka 20 Wt:55ers 1 From Co. FISCH, JOINED BOOK Ante (7.20) (1 cm (1.20) Fi (Iraka e ex indiagost.gov.in) Wta60gw. Wiel 18002 to the fasks, Standardo Astril'. (%) (1as) 2. (%) (Fresh to me inhomet a



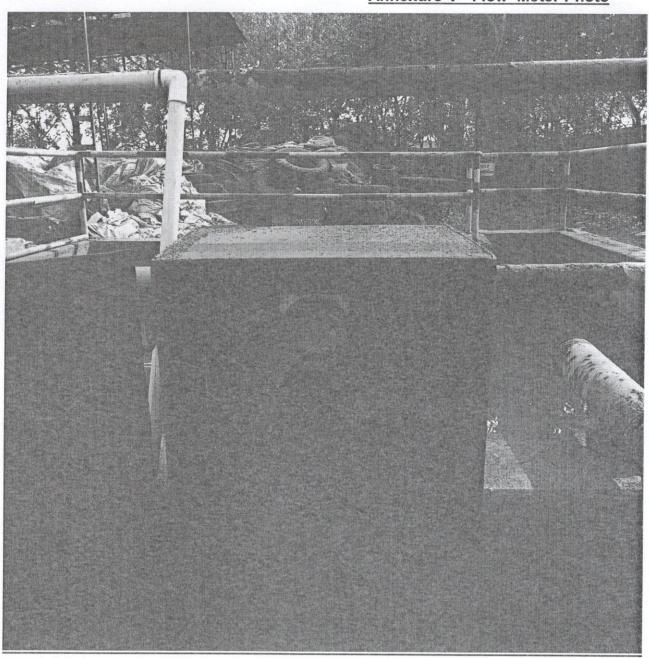
Annexure -IV TRAINING PHOTOGRAPH





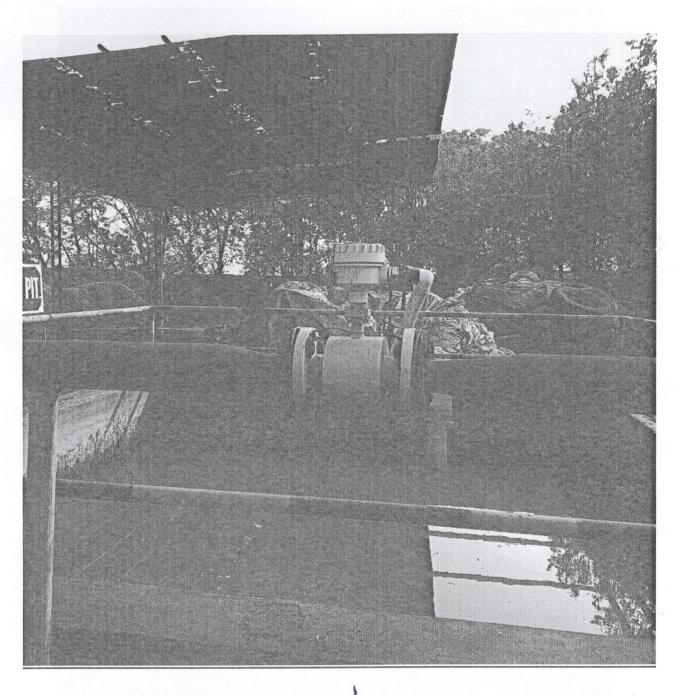


Annexure-V Flow Meter Photo



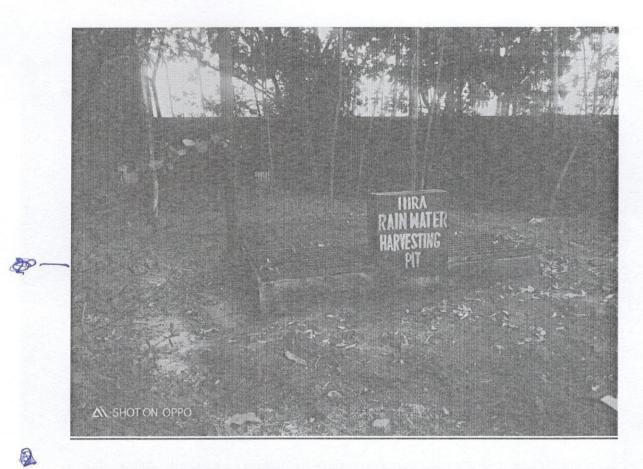


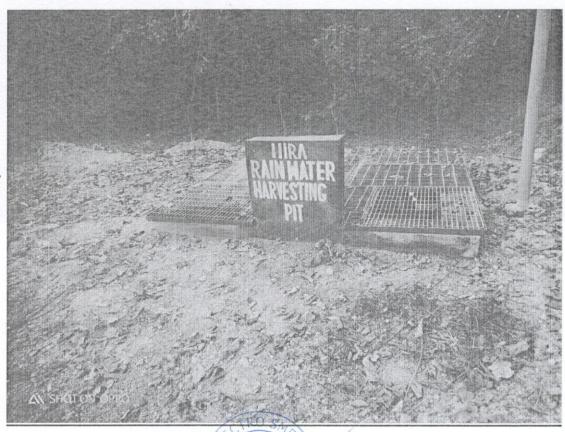












Format No.: UES/FORM/09



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

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Name & Address Of the Castomer		Report No.	UES/TR/22-23/01869			
		Lab Ref No.	UES/22-23/AAQM/	03781-03784		
M/s. Hira Electro S Plot No.364 to 367	Aprica Limited,	Date of Sampling	18/07/2022 to 19/0	Name and the second sec		
Growth Center, Bol	APIIC,	Date of Receipt	20/07/2022			
District -Vizianaga	ram, Andhra Pradesh	Date of Report	26/07/2022			
- Totalee Vizialiaga	am, Andhra Fradesh	Date of Analysis	Start:20/07/2022	End: 26/07/2022		
	SAMPLE	DETAILS				
Monitoring For	Ambient Air Quality Monitoring					
Sampling Location		1, Near Security Gate (West) 2. Near Sub Store (East) 3. Near R.M. Yard (North)				
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2	2022				
Duration Of Sampling	As per CPCB norms					
Sample Collected By	Laboratory Chemist					
Sampling Procedure	As Per Method Reference					
Sample Quantity/Packing	Filter Paper (PM ₂₀): 1X1 No., Filter Paper (PM _{2.6}): 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 VolI				
Particulate Matter size less than 2.5 microns (PM2.5)	IS:5182:(Part-24):2019 & CPCB Guidelines VolI				
Sulphur Dioxide (SO ₂)	IS:5182:(Part-2):2001, RA 2006 & CPCB Guidelines VolI				
Nitrogen Dioxide (NO2)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI				

TEST REPORT							
Parameter	NAAOM NAAOM		Results				
	Unit	Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)	
PM ₁₀	μg/m³	100	76.4	68.8	70.8	62.6	
PM _{2.5}	μg/m³	60	36.8	28.4	32.8	The state of the same of the s	
SO ₂	µg/m³	80	12.2	10.6		26.2	
NO ₂	µg/m³	80	26.4		16.4	8.6	
СО	mg/m³	4.0		28.8	30.2	24.1	
	mg/m-	72.0	0.51	0.35	0.34	0.26	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.

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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 I Email : ultimatenviro@gmail.com

Name & Address Of The Customer		Report No. UES/TR/22-23/02406			
To,		Lab Ref No.	UES/22-23/AAQM/07039-07042		
M/s. Hira Electro S	melters Limited,	Date of Sampling	18/08/2022 to 19/0	8/2022	
Plot No.364 to 367,		Date of Receipt	20/08/2022		
Growth Center, Bob		Date of Report	25/08/2022		
District -Vizianagar	am, Andhra Pradesh	Date of Analysis	Start:20/08/2022	End: 25/08/2022	
	1. Near Security Gate (We	st)			
Sampling Location	2. Near Sub Store (East) 3. Near R.M. Yard (North) 4. Near Admin Office (Sou	th)			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.	2022			
Duration Of Sampling	As per CPCB norms				
Sample Collected By	Laboratory Chemist				
Sampling Procedure	As Per Method Reference				
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., SO2: 30mlX1 No. PVC Bottle, NO.	Filter Paper $(PM_{2.5})$ 0 ₂ : 30mlX1 NO. PVC B	ottle,		

Test Method f	or Ambient Air Quality Monitoring
Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182:(Part-23):2006 & CPCB Guidelines VolI
Particulate Matter size less than 2.5 microns (PM2.5)	IS:5182:(Part-24):2019 & CPCB Guidelines VolI
Sulphur Dioxide (SO₂)	IS:5182: (Part-2):2001, RA 2006 & CPCB Guidelines VolI
Nitrogen Dioxide (NO2)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI

			Results			
Parameter	Unit	NAAQM Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM10	µg/m³	100	68.4	62.8	66.2	58.8
PM2.5	μg/m ³	60	34.6	24.6	30.8	28.4
SO ₂	μg/m ³	80	10.8	16.4	12.4	10.2
NO ₂	µg/m³	80	28.2	22.5	26.6	20.8
co	mg/m³	4.0	0.48	0.31	0.42	0.36

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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

Name & Address Di The Customer To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M),		Report No.	Report No. UES/TR/22-23/03110 Lab Ref No. UES/22-23/AAQM/08316-08319 Date of Sampling 22/09/2022 to 23/09/2022 Date of Receipt 24/09/2022 Date of Report 28/09/2022	
		Lab Ref No.		
		Date of Sampling		
		Date of Receipt		
		Date of Report		
District -Vizianagar	istrict -Vizianagaram, Andhra Pradesh Date of Analysis Start:24/09/202		Start:24/09/2022	End: 28/09/2022
Monitoring For	SAMPLE Ambient Air Quality Monitoring	DETAILS		
Sampling Location	Ambient Air Quality Monitoring 1. Near Security Cate (West) 2. Near Sub Store (East) 3. Near R.M. Yard (North) 4. Near Admin Office (South)			
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2	2022		
Duration Of Sampling	As per CPCB norms			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	Filter Faper (FM ₁₀): 1X1 No., Filter Paper (FM _{0.5}): 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 VolI			
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 & CPCB Guidelines VolI			
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 & CPCB Guidelines VolI			
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI			

TEST REPORT						
NAAOM Results						
Parameter	Unit	Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	μg/m³	100	58.6	60.2	64.8	52.6
PM _{2.5}	μg/m³	60	32.8	28.0	26.4	22.4
SO ₂	μg/m³	80-1-	16.4	12.6	10.8	8.6
NO ₂	µg/m³	80	22.5	24.8	28.0	18.8
со	mg/m³	4.0	0.52	0.38	0.62	0.18

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Name & Address Of The Customer
To,
M/s. Hira Electro Smelters Limited,
Plot No.364 to 367, APHC,
Growth Center, Bobbili (V) & (M),
District -Vizianagaram, Andhra Pradesh

Report No.	UES/TR/22-23/04367			
Lab Ref No.	UES/22-23/AAQM/0	UES/22-23/AAQM/010255-010258		
Date of Sampling	13/10/2022 to 14/1	13/10/2022 to 14/10/2022		
Date of Receipt	15/10/2022			
Date of Report	19/10/2022			
Date of Analysis	Start: 15/10/2022	End: 19/10/2022		

	SAMPLE DETAILS
Monitoring For	Ambient Air Quality Monitoring
	1. Near Security Gate (West)
	2. Near Sub Store (East)
Sampling Location	3. Near R.M. Yard (North)
	4. Near Admin Office (South)
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022
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 1	for Ambient Air Quality Monitoring
Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182:(Part-23):2006 & CPCB Guidelines VolI
Particulate Matter size less than 2.5 microns (PM2.5)	IS:5182:(Part-24):2019 & CPCB Guidelines VolI
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 & CPCB Guidelines VolI
Nitrogen Dioxide (NO2)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI

TEST REPORT							
		NAAOM	Results				
Parameter	Unit	Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)	
PM ₁₀	μg/m³	100	60.6	62.8	64.9	54.2	
PM _{2.5}	μg/m³	60	33.0	30.2	27.2	22.8	
SO ₂	µg/m³	80	16.8	13.6	12.4	10.2	
NO ₂	μg/m³	80	23.0	24.9	28.6	20.6	
co	mg/m³	4.0	0.58	0.44	0.66	0.21	

REMARKS: RESULTS ARE AS ABOVE

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Name & Address Of The Customer UES/TR/22-23/04395 Report No. UES/22-23/AAQM/010285-010288 To, Lab Ref No. M/s. Hira Electro Smelters Limited, 15/11/2022 to 16/11/2022 Date of Sampling Plot No.364 to 367, APIIC, Date of Receipt 17/11/2022 Growth Center, Bobbili (V) & (M), 21/11/2022 Date of Report District -Vizianagaram, Andhra Pradesh Start:17/11/2022 End:21/11/2022 Date of Analysis

Monitoring For	Ambient Air Quality Monitoring
Annual selection of the property of the property of the contract of the contra	1. Near Security Gate (West)
	2. Near Sub Store (East)
Sampling Location	3. Near R.M. Yard (North)
	4. Near Admin Office (South)
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM ₂ 0): 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 VolI			
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182:(Part-24):2019 &CPCB Guidelines VolI			
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 &CPCB Guidelines VolI			
Nitrogen Dioxide (NO2)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI			

TEST REPORT						
Results						
Parameter	Unit	NAAQM Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM10	μg/m³	100	61.4	63.3	65.2	57.4
PM _{2.5}	μg/m ³	60	32.3	28.5	33.1	24.4
SO ₂	μg/m³	80	17.2	14.4	13.8	11.6
NO ₂	μg/m³	80	22.2	24.6	26.9	22.8
CO	mg/m³	4.0	0.51	0.48	0.72	0.26

REMARKS: RESULTS ARE AS ABOVE

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To,

M/s. Hira Electro Smelters Limited,
Plot No.364 to 367, APIIC,
Growth Center, Bobbili (V) & (M),
District -Vizianagaram, Andhra Pradesh

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Report No.	UES/TR/22-23/0541	4
Lab Ref No.	UES/22-23/AAQM/0	012134-012137
Date of Sampling	13/12/2022 to 14/1	2/2022
Date of Receipt	15/12/2022	
Date of Report	19/12/2022	
Date of Analysis	Start: 15/12/2022	End:19/12/2022

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Security Gate (West) 2. Near Sub Store (East) 3. Near R.M. Yard (North) 4. Near Admin Office (South)
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022
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 VolI				
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines VolI				
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 SCPCB Guidelines VolI				
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines VolI				

TEST REPORT								
NAAOM Results								
Parameter	Unit	Standard	Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)		
PM ₁₀	μg/m³	100	61.4	60.7	63.8	58.2		
PM _{2.5}	µg/m³	60	32.6	31.3	29.6	27.4		
SO ₂	µg/m³	80	16.2	14.8	14.2	11.7		
NO ₂	µg/m³	80	22.6	23.8	24.6	21.6		
со	mg/m³	4.0	0.60	0.42	0.61	0.18		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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End of the test report-



Formet No.: UES/FORMU9



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

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Milato A AND SS OF The Cast	were a series of the series of	REPORT NO.	UF5/TR/21-22/06475	ALL SUPPLIES TO THE SECOND	
To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APHC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		LAB REF NO.	UES/21 22/ST/013749		
		DATE OF SAMPLING	13/12/2022		
		DATE OF RECEIPT			
		DATE OF REPORT	19/12/2022	Fnd: 19/17/2077	
		DATE OF ANALYSIS	Start: 15/17/7027		
1 radesii	SAX	PLE DETAILS	THE WALL SHAPE	and a control of	
Monitoring For Customer Ref. No. Sampling Location Sample Collected By Sampling Procedure Sample Quantity/Packing	DG Stack Emission Monitoring S.O. No. 7200003188/U104, Dated DG Set-125 KWA Lelker atory Chemist As Per Method Reference. Thimble: 1 X 1 No., SO ₂ : 30 ml X 1 Hg: 500ml X 1 No., Glass Bottle & 5	No PVC Bottle, NOv 25 m	IX 1 NO. PVF Rottle, Rubb	er Bladder: 1 X 1 Nb.,	

	TEST	REPORT		
Stack details	War we said at the last			
Stack Identity			DG SET	
Stock Attached to		D	G-SF1-125	
Material of construction			MS Plate	the same of the same or will be able to the same of th
Stack height above ground level			4.0 mete	The contract of the second
Stack diameter			0.3 mete	CONTRACTOR OF THE CONTRACTOR AND CON
Stack shape at top			Circular	A PROBLEM AND THE STATE OF THE
Type of fuel			115D	
Parameter	Unit	Result	Limit	Method Reference
Hue gas Temperature	°C	14/	1 -	(S 11255 (Part 3):2008
Flue gas velocity	m/s	9.3	1 -	IS 11255 (Part 3):2008
Total gas quantity	Nm²/h	1 1678.3		IS 11255 (Part 3):2008
Total Particulate Matter (PM) (Corrected at 15 % Os)	mg/Nm¹	36.2	75	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (50:)	mg/Nm³	48.8	1 -	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO ₂)(Corrected at 15 % O ₂) Dry Basis	ррпі	150	360	IS 11755 (Part 7):2005, RA 2012
Non-Methane hydrocarbon (NMHC) (Corrected at 15 % O.)	mg/Nm³	26	100	АРНА METHOD 109, Р-259
Carbon Monoxide (CO)	mg/Nm ⁴	114	150	АРНА METHOD 130, Р 359

REMARKS: RESULTS ARE AS ABOVE

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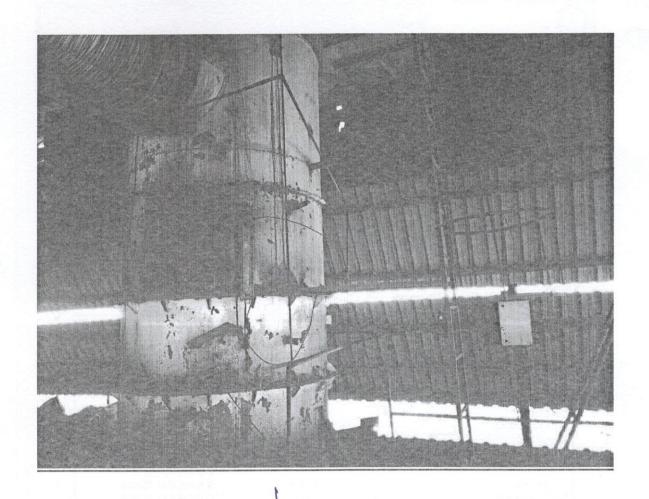
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Annexure- IX Sampling Port Photos



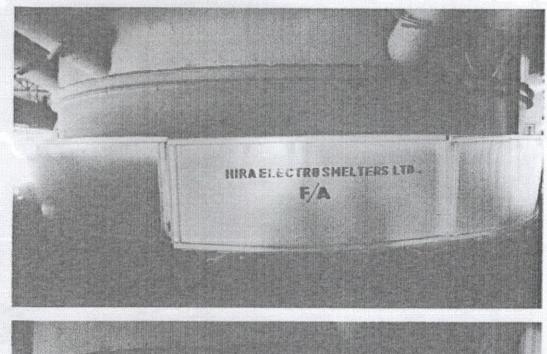


MANNEXURENCE

2

HIRA ELECTRO SMELTERS LTD, APIIC GROWTH CENTER, BOBBILI

MOVABLE CLOSED DOORS AT FURNACE-A & FURNACE-B







Annexure - XI (Fugitive Emission Report)

Format No.: UES/FORM/09



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		REPORT NO	UES/TR/22-23/01873	
		LAB REF NO	UES/22-23/FE/0378	8
		DATE OF SAMPLING	18/07/2022	
		DATE OF RECEIPT	20/07/2022	
		DATE OF REPORT	26/07/2022	
		DATE OF ANALYSIS	Start:20/07/2022	END:26/07/2022
	SAMPLE	DETAILS		
MONITORING FOR	FUGITIVE EMISSION			
CUSTOMER REF. NO. & DATE	7200004005/U104,	DATED:16.06.2022		
SAMPLING LOCATION	NEAR FURNACE ARE	A		
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEM	IST		***
SAMPLING PROCEDURE	AS PER METHOD RE	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			
			NEAR FURNACE AREA					
1	Total Suspended Particulate Matter (as SPM)	µg/m³	1462	2000	EPA Method IO-2.1			

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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- > Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.

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

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

Name & Address Of The Customer		REPORT NO UES/TR/22-23/02410		10
To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		LAB REF NO	UES/22-23/FE/07047	
		DATE OF SAMPLING	18/08/2022	
		DATE OF RECEIPT	20/08/2022 25/08/2022	
		DATE OF REPORT		
		DATE OF ANALYSIS	Start:20/08/2022	END:25/08/2022
	SAMPLE	DETAILS		
MONITORING FOR	FUGITIVE EMISSION	V .		
CUSTOMER REF. NO. &DATE	7200004005/U104,	DATED:16.06.2022		
SAMPLING LOCATION	NEAR FURNACE ARE	A		
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEM	IIST		
SAMPLING PROCEDURE	AS PER METHOD RE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER	(8 X 10 INCH): 1X1 NO.	and the second section of the second	

TEST REPORT							
SR. NO.		UNIT	RESULT	MOEF & CC	METHOD		
	PARAMETER		NEAR FURNACE AREA	Notification	REFERENCE		
1	Total Suspended Particulate Matter (as SPM)	μg/m³	1284	2000	EPA Method IO-2.1		

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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> Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.

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

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





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Name & Address Of The Customer REPORT NO UES/TR/22-23/03114 To, LAB REF NO UES/22-23/FE/08324 M/s. Hira Electro Smelters Limited, DATE OF SAMPLING 22/09/2022 Plot No.364 to 367, APIIC, DATE OF RECEIPT 24/09/2022 Growth Center, Bobbili (V) & (M), DATE OF REPORT 28/09/2022 District -Vizianagaram, Andhra Pradesh DATE OF ANALYSIS Start:24/09/2022 END:29/09/2022 SAMPLE DETAILS MONITORING FOR **FUGITIVE EMISSION CUSTOMER REF. NO. &DATE** 7200004005/U104, DATED:16.06.2022 SAMPLING LOCATION **NEAR FURNACE 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						
SR.			RESULT	MOEF & CC	METHOD REFERENCE		
NO.	PARAMETER	UNIT	NEAR FURNACE AREA	Notification			
1	Total Suspended Particulate Matter (as SPM)	" µg/m³	1024	2000	EPA Method IO-2.1		

Note: All results are on the basis of 8 hour 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 15days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/04371		
To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APHC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		LAB REF NO	UES/22-23/FE/0102	63	
		DATE OF SAMPLING	13/10/2022		
		DATE OF RECEIPT	15/10/2022		
		DATE OF REPORT	19/10/2022		
		DATE OF ANALYSIS	Start: 15/10/2022	End: 19/10/2022	
	SAMPLE	DETAILS		erinia akwenyos	
MONITORING FOR	FUGITIVE EMISSION	office and a second			
CUSTOMER REF. NO. &DATE	7200004005/U104,	DATED:16.06.2022			
SAMPLING LOCATION	NEAR FURNACE ARE	A			
DURATION OF SAMPLING	8 HOURS				
SAMPLE COLLECTED BY	LABORATORY CHEM	IIST			
SAMPLING PROCEDURE	AS PER METHOD RE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.				

		TEST	REPORT		
SR.			RESULT	MOEF & CC	METHOD
NO.	PARAMETER	UNIT	NEAR FURNACE AREA	Notification	REFERENCE
1	Total Suspended Particulate Matter (as SPM)	μg/m³	1030	2000	EPA Method IO-2.1

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

13/10/2022

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Subhajces 13/10/2022

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/0439	17
To,		LAB REF NO	UES/22-23/FE/010291	
M/s. Hira Electro Smel	DATE OF SAMPLING	15/11/2022 to 16/1	1/2022	
Plot No.364 to 367, AP	DATE OF RECEIPT	17/11/2022	ne Trad et a de la	
Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		DATE OF REPORT	21/11/2022	
		DATE OF ANALYSIS	Start:17/11/2022	End:21/11/2022
	SAMPLE	DETAILS		
MONITORING FOR	FUGITIVE EMISSION			
CUSTOMER REF. NO. & DATE	7200004005/U104,	DATED:16.06.2022		
SAMPLING LOCATION	NEAR FURNACE ARE	A		
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEM	IIST		
SAMPLING PROCEDURE	AS PER METHOD RE	FERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER	(8 X 10 INCH): 1X1 NO.		The state of the s

		TEST	REPORT		
SR.	Harris Mark	e de la companya de La companya de la co	RESULT	MOEF & CC	METHOD
NO.	PARAMETER	UNIT	NEAR FURNACE AREA	Notification	REFERENCE
1	Total Suspended Particulate Matter (as SPM)	µg/m³	1120	2000	EPA Method IO-2.1

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

21/11/2022

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End of the test report-





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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/0541	8
To,		LAB REF NO UES/22-23/FE/012142		
M/s. Hira Electro Smelt	ers Limited,	DATE OF SAMPLING	13/12/2022	
Plot No.364 to 367, API	DATE OF RECEIPT	15/12/2022		
Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		DATE OF REPORT	19/12/2022	
		DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022
	SAMPLE	DETAILS		era secretaria de la secono dela secono de la secono dela secono de la secono dela secono de la secono dela se
MONITORING FOR	FUGITIVEEMISSION	COLORS CONTROL OF CONT		
CUSTOMER REF. NO. &DATE	7200004005/U104,	DATED:16.06.2022		
SAMPLING LOCATION	NEARFURNACE ARE	EA		
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEM	VIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
JAITH LING I NOCEDONE	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.			

		TEST	REPORT	Comment of the Commen	
SR. NO.	PARAMETER	UNIT	RESULT NEAR FURNACE AREA	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	μg/m³	1042	2000	EPA Method IO-2.1

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

REMARKS: RESULTS ARE AS ABOVE

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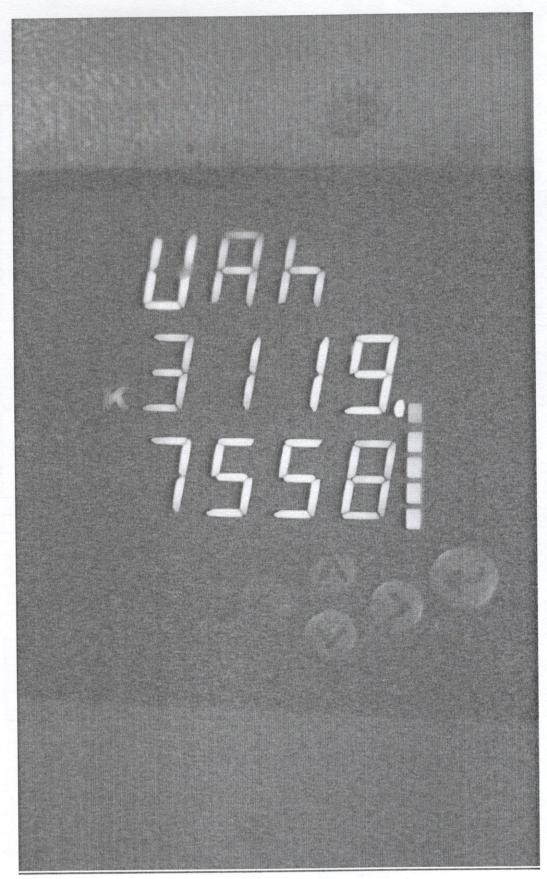
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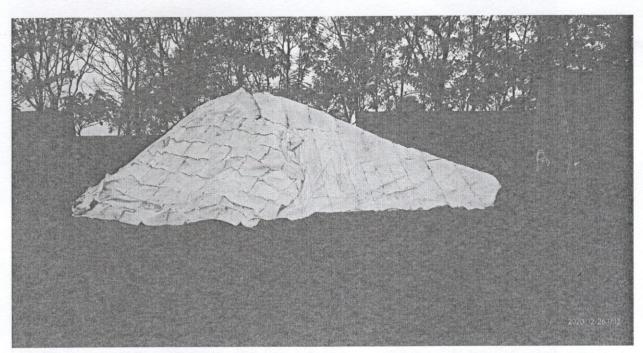


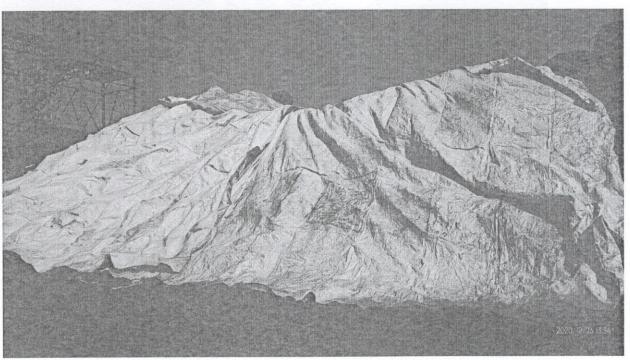






Annexure XIII (Photograph of Dust Containment)







Format No.: UES/FORM/09



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16.5Name & Address Of The Customer REPORT NO. UES/TR/22-23/01875 TO. LAB REF NO. UES/22-23/MISC/03792 M/s. Hira Electro Smelters Limited, DATE OF SAMPLING 18/07/2022 to 19/07/2022 Plot No.364 to 367, APIIC, DATE OF RECEIPT 20/07/2022 Growth Center, Bobbili (V) & (M), DATE OF REPORT 26/07/2022 District -Vizianagaram, Andhra Pradesh DATE OF ANALYSIS Start:20/07/2022 Start:26/07/2022 SAMPLE DETAILS 7200004005/U104, DATED:16.06.2022 CUSTOMER SAMPLE ID FERRO MANGANESE (SLAG) **CUSTOMER REF. NO. & DATE** SAMPLE TYPE SLAG SAMPLE CONDITION AT RECEIPT OK SAMPLE COLLECTED BY CUSTOMER QUANTITY RECEIVED 1 KG.

TEST REPORT						
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMIT SCHEDULE II [See rule 3 (1) (17) (ii)]	RESULT	
1	Iron as Fe	mg/l	USEPA METHOD-1311		0.62	
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	1.11	
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	0.95	
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.11	
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.	
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.08	
7	Selenium as Se	mg/l	USEPA METHOD-1311	1.0	N.D.	
8	Tin as Sn	mg/l	USEPA METHOD-1311	-	N.D.	
9	Chromium as Cr	mg/l	USEPA METHOD-1311	5.0	2.11	
10	Arsenic as As	mg/l	USEPA METHOD-1311	5.0	N.D.	
11	Mercury as Hg	mg/l	USEPA METHOD-1311	0.2	N.D.	
12	Barium as Ba	mg/l	USEPA METHOD-1311	100.0	N.D.	
13	Aluminium as Al	mg/l	USEPA METHOD-1311		N.D.	

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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16.5Name & Address Of The Customer TO, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh

REPORT NO.	UES/TR/22-23/02412	
LAB REF NO.	UES/22-23/MISC/07051	
DATE OF SAMPLING	18/08/2022	
DATE OF RECEIPT	20/08/2022	
DATE OF REPORT	25/08/2022	
DATE OF ANALYSIS	Start:20/08/2022	Start:25/08/2022
		Committee of the Commit

	SAM	PLE DETAILS	
CUSTOMER SAMPLE ID	FERRO MANGANESE (SLAG)	CUSTOMER REF. NO. & DATE	7200004005/U104, DATED:16.06.2022
SAMPLE TYPE	SLAG	SAMPLE CONDITION AT RECEIPT	OK
SAMPLE COLLECTED BY	CUSTOMER	QUANTITY RECEIVED	1 KG.

TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	SCHEDULE II [See rule 3 (1) (17) (ii)]	RESULT		
1	Iron as Fe	mg/l	USEPA METHOD-1311	-	0.28		
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.86		
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	0.62		
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.14		
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.		
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.06		
7	Selenium as Se	mg/l	USEPA METHOD-1311	1.0	N.D.		
8	Tin as Sn	mg/l	USEPA METHOD-1311	-	N.D.		
9	Chromium as Cr	mg/l	USEPA METHOD-1311	5.0	2.42		
10	Arsenic as As	mg/l	USEPA METHOD-1311	5.0	N.D.		
11	Mercury as Hg	mg/l	USEPA METHOD-1311	0.2	N.D.		
12	Barium as Ba	mg/l	USEPA METHOD-1311	100.0	N.D.		
13	Aluminium as Al	mg/l	USEPA METHOD-1311	-	N.D.		

REMARKS: RESULTS ARE AS ABOVE

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16.5Name & Address Of The Gustomer M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh

REPORT NO.	UES/TR/22-23/03116	
LAB REF NO.	UES/22-23/MISC/0832	8
DATE OF SAMPLING	22/09/2022	
DATE OF RECEIPT	24/09/2022	
DATE OF REPORT	28/09/2022	
DATE OF ANALYSIS	Start:24/09/2022	Start:29/09/2022

	SAM	PLE DETAILS	Control of the Contro
CUSTOMER SAMPLE ID	FERRO MANGANESE (SLAG)	CUSTOMER REF. NO. & DATE	7200004005/U104, DATED:16.06.2022
SAMPLE TYPE	SLAG	SAMPLE CONDITION AT RECEIPT	OK
SAMPLE COLLECTED BY	CUSTOMER	QUANTITY RECEIVED	1 KG.

TEST REPORT						
SR. No.	PARAMETER	UNIT	METHOD OF TEST	LIMIT SCHEDULE II [See rule 3 (1) (17) [ii)]	RESULT	
1	Iron as Fe	mg/l	USEPA METHOD-1311		0.16	
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.52	
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.62	
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.11	
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.	
6	Copper as Cu	mig/1	USEPA METHOD-1311	25.0	0.18	
7	Selenium as Se	mg/l	USEPA METHOD-1311	1.0	N.D.	
8	Tin as Sn	mg/l	USEPA METHOD-1311		N.D.	
9	Chromium as Cr	mg/1	USEPA METHOD-1311	5.0	1.86	
10	Arsenic as As	mg/l	USEPA METHOD-1311	5.0	N.D.	
11	Mercury as Hg	mg/l	USEPA METHOD-1311	0.2	N.D.	
12	Barium as Ba	mg/l	USEPA METHOD-1311	100.0	N.D.	
13	Aluminium as Al	mg/l	USEPA METHOD-1311		N.D.	

REMARKS: RESULTS ARE AS ABOVE

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e & Address Of The Customer REPORT NO. UES/TR/22-23/04373 TO, LAB REF NO. UES/22-23/MISC/010267 M/s. Hira Electro Smelters Limited, DATE OF SAMPLING 13/10/2022 to 14/10/2022 Plot No.364 to 367, APIIC, DATE OF RECEIPT 15/10/2022 Growth Center, Bobbili (V) & (M), DATE OF REPORT 19/10/2022 District - Vizianagaram, Andhra Pradesh DATE OF ANALYSIS Start: 15/10/2022 End: 19/10/2022 SAMPLE DETAILS 7200004005/U104, DATED:16.06.2022 CUSTOMER SAMPLE ID FERRO MANGANESE (SLAG) CUSTOMER REF. NO. & DATE SAMPLE CONDITION AT RECEIPT OK SAMPLE TYPE SLAG SAMPLE COLLECTED BY CUSTOMER QUANTITY RECEIVED 1 KG.

	TEST REPORT					
SR. NO.	IO. PARAMETER	mg/1 mg/1 mg/1 mg/1	METHOD OF TEST	LIMIT SCHEDULE II [See rule 3 (1) (17) (ii)]	0.17 0.54 1.65 0.10 N.D.	
1			USEPA METHOD-1311	- 10.0 250 5.0 1.0		
2			USEPA METHOD-1311 USEPA METHOD-1311 USEPA METHOD-1311			
3						
4						
5		mg/l	USEPA METHOD-1311			
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.14	
7	Selenium as Se	mg/l	USEPA METHOD-1311	1.0	N.D.	
8	Tin as Sn	mg/l	USEPA METHOD-1311		N.D.	
9	O Arsenic as As mg/	mg/l	USEPA METHOD-1311	5.0	1.88	
10			mg/1	USEPA METHOD-1311 USEPA METHOD-1311	5.0	N.D.
11			mg/l		0.2	
12	Barium as Ba	mg/l	USEPA METHOD-1311	100.0	N.D.	
13	Aluminium as Al	mg/l	USEPA METHOD-1311		N.D.	

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

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13/10/2022

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TO, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh

DES/TR/22-23/04399 REPORT NO. LABRET NO. L# 5/22-23/MISC/010295 25/11/2022 DATE OF SAMPLING DATE OF RECEIPT 17/11/2022 DATE OF REPORT 21/11/2022 Start:17/11/2022

SAMPLE DETAILS

CUSTOMER SAMPLE IO SAMPLE TYPE SAMPLE COLLECTED BY TERRO MANGANTSECSIAS SUAG

DUSTONER

CUSTOMER REF. NO. & DATE SAMPLE CONDITION AT RECEIPT DUALITY HELEWID

DATE OF ANALYSIS

7200004005/UT04 DATED:16 06.2022 0K IKG.

End:21/21/2022

TEST REPORT						
SR. NO.	PARAMETER (UNIT	METHOD OF TEST	LIMITSCHEDUL EM Exercise 201 (17)	RESULT	
1	Tron as Fe	mg/1	USCPA MCTHOD-1311	-	0.16	
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.51	
3	Zinc as Zn	ng/1	USEPA METHOD 1311	250	1.55	
4	Load es Pb	mg/1	USEPA METHOD 1311	5.0	0.09	
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.	
6	Copper as Cu	mg/1	USEPA METHOD-1811	25.0	0.11	
1	Selenium as Se	mg/1	USEPA METHOD 1911	1.0	N.D.	
8	Tin as Sn	mg/l	USEPA METHOD-1811		N.D.	
9	Chromium as Cr	mg/1	USEPA METHOD 1811	\$.0	1.56	
10	Arsenic as As	ng/I	USEPA METHOD 1311	5.0	N.D.	
11	Mercury as Hg	Eg/I	USEPA METHOD-1311	0.2	N.D.	
12	Barium os Ba	FG/1	USEPA METHOD-1311	100.0	M.D.	
13	Aluminium as Al	mg/1	USEPA METHOD-1311		N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The above analysis report refers to the puritiolar sample received at our end and the one of the region for publication, arbitration or as keyel dispute is forbidden.

Test sample will be measured for 15 days after issue of test report unless otherwise egical with consider.

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TO,
M/s. Hira Electro Smelters Limited,
Plot No.364 to 367, APIIC,
Growth Center, Bobbili (V) & (M),
District -Vizianagaram, Andhra Pradesh

REPORT NO. UES/1R/22-23/05420

LAB REF NO. UES/22-23/MISC/012146

DAITE OF SAMPLING 13/12/2022 to 14/12/2022

DATE OF RECEIPT 15/12/2022

DATE OF REPORT 19/12/2022

DATE OF ANALYSIS Start: 15/12/7022 End: 19/12/2022

mental de la constitución de la	BAN	THE DETAILS	the management of the same style of
CUSTOMER SAMPLE ID	FERRO MANAGANESE (SLAG)	CUSTOMER REF. NO. & DATE	7200004005/U104, 6ATED 16.06.2077
SAMPLE TYPE	SUAG	SAMPLE CONDITION AT RECEIPT	OK
SAMPLE COLLECTED BY	CUSTOMER	QUANTITY RECEIVED	1 KG.

TEST REPORT					
SR. PARAMETER . UNIT METHOD OF TEST OF THE STATE OF THE S					RESULT
ماؤسا بعدادا	Iron as Fe	mg/l	USEPA METHOD-1311	1	0.18
2	Manganese as Mm	mg/1	USEPA METHOD-1311	10.0	0.52
3	Zinc as En	mg/l	USEPA METHOD-1311	250	1.58
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.10
5	Cadmium as Cd	mq/1	USEPA METHOD-1311	1.0	N.D.
6	Copper as Cu	mg/1	USEPA MITHOD-1311	25.0	0.13
7	Selenium as Se	mg/1	USFPA METHOD-1311	1.0	N.D.
8	Tin as Sn	mq/1	USEPA METHOD-1313	1 2 2 2 2 2 2	N.D.
9	Chromium as Cr	1 mg/1	USEPA METHOD-1311	5.0	1.84
10	Arsenic as As	1/20	USEPA METHOD-1311	5.0	N.D.
11	Marcury as Hg	mq/1	USEPA METHOD-1311	0.2	N.D.
12	Barium as Ba	mij/1	USEPA METHOD-1311	100.0	N.D.
13	Aluminium as Al	mg/l	USEPA METHOD 1311		N.D.

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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> Test sample will be retained for 15 days after issue of test report unless athemists acread with customer.

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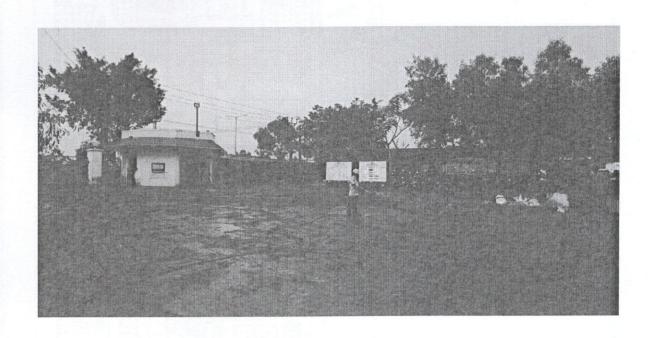
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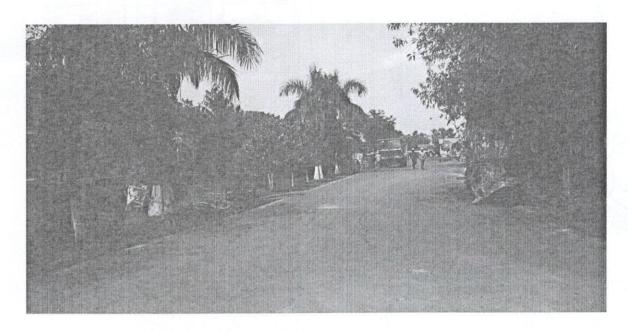
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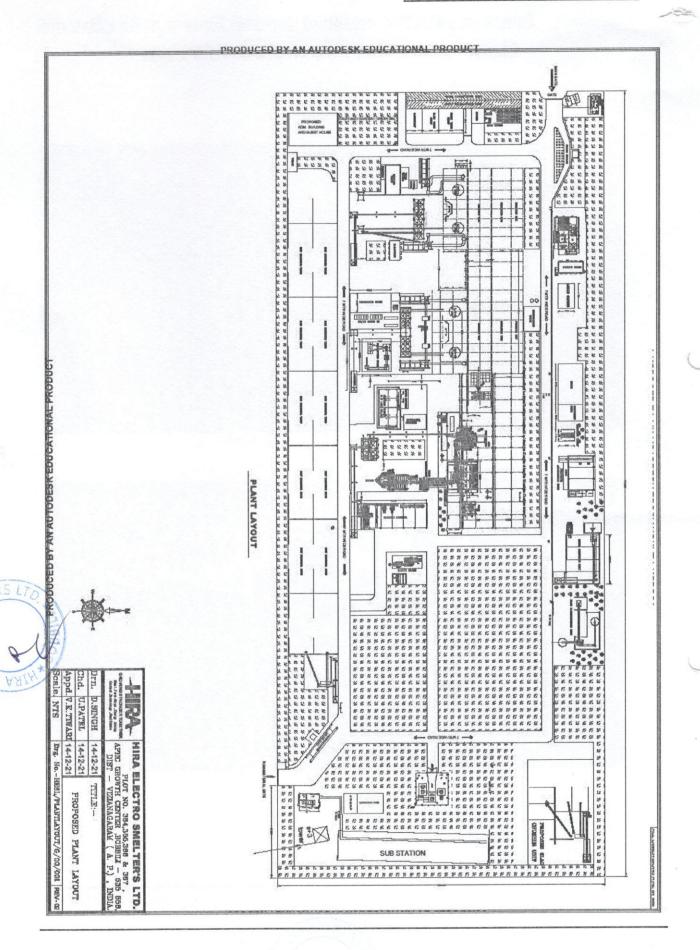


Annexure - XV (Photograph of Concrete Storage of Raw Material) Photographs of the Concrete Road & RCC Bins









	HIRA ELECTI Plantation Details			
SI.No	Plantation Area	Area(In Mtrs)	Total Covered Area(Sq.Mtrs)	No.of Plants
1	East	100*9	900	212
2	North	230*8	1840	607
3	North New	180*4	720	152
4	West	100*7	700	215
5	South	240*7	1680	388
6	Weighbridge	9*7	63	20
7	Pump House side	10*5	50	15
	Chamber wall side	35*10	350	100
9	Bore well side	10*10	100	100
10	Slag Crusher Opposite	50*40	2000	200
11	South Pond Side	25*25	625	200
12	Office Area	20*15	300	
13	Lab	15*10	150	100
14	Chamber Area	40*5	200	
15	CC roads, New Store,Lab Office, Cooling Tower Area	60*5	300	126
16	132KV LT Room East side	50*10	500	200
17	132KV LT Room west side	65*5	325	100
18	132KV LT Room north side vacant area & sorrounding	110*40	4400	559
19	Briquetting area	70*60	4200	500
20	Between 132 KV and Slag cruher	90*100	9000	2000
21	Cycle Stand area	100*8	800	200
22	Sub store area	50*7	350	100
23	Diesel bunk area	50*8	400	100
24	Raw materal Chambers area	120*10	1200	300
25	Office back side area	80*10	800	200
	Total		31953(7.82Acres)	6694
	140			



Annexure XVII (Photograph for Safety Measures from accident)





2





TC.No.ARP/ A6/427/2022-23

FORM NO: 38

(Prescribed under Rule 55 & 55-A)
REPORT OF EXAMINATION OF HOIST OR LIFT OR LIFTING MACHINERY / TACKLE

	Name of the occupier (or Factory) Situation address (of factory)	***	M/s HIRA ELECTRO SMELTERS LTD APIIC, BOBBILI. (A.P)
1	(a) Type of hoist or lift or Lifting Machinery / Tackle and identification number or description	**	Chain Sling - 1No
	(b) Date of construction or reconstruction (if ascertainable)		
2	Design and construction (Are all parts of the hoist or lift of good mechanical construction, sound material		Good
3	Distinguishing number or mark, if any and description sufficient to identity the lifting machine, chain, rope or the lifting tackle	3.6	Chain Sling Length: 20Mtrs 1. Id.No: HESL/CS/01
4	Maintenance: Are the following parts of the hoist or lift properly maintained and in good working order? If not, state what defects have been found.	:	
	a) Enclosure of hoist way or lift way	:	-Nil-
	b) Landing gates and cage gate(s)	:	-Nil
	c) Inter-locks on the landing gate(s) and cage gate(s)	:	-Nil-
	d) Other gages, fastenings	:	-Nil
	e) Cage and platform and fittings, guiders, buffers interior of the hoist way or lift way.	:	-Nil-
	f) Over running devices.	:	-Nil-
	g) Suspension ropes or chain and their attachments.	:	-Nil
	h) Safety gear i.e arrangements for prevention fall of platform or cage brakes.	:	-Nil-
	i) Brakes.	:	-Nil
	j) Worm or spur gearing.	:	-Nil
	k) Other electrical equipment.	:	-Nil
-	***	:	-Nil-
	What parts (If any) were inaccessible	2	-Nil
6	Repairs, renewals or alternations (if any) required and the period within which they should be executed.	:	NIL
	Maximum safe working load subject to repairs, renewals or alternations (if any) specified in Column No:(6)		Chain Sling
8	Others		The Chain Sling is in good condition, hence it is fit for use

NOTE: Recommended Periodical Cleaning, Lubricantion and Painting propar greasing to be carried out

I / we certify that on 22-08-2022, I / we thoroughly examined this hoist / Lift / Lifting Machine / Tackle and the above is a correct report of the result. This certificate is valid up to: 21-08-2023 A RAVI PRASAD B.E (Moch)

COMPETENT PERSON UNDER A.P.FACTORIES RULES

No.L. Dis LAE05-12021(68)/39/2022-B SEC-DOF

Flat NO.6 Mukund Savasa Apartments 3rd Lane, Dwarakanagur,

Visakhapatnam-530016 (A.P)

Ph:9703223333 E-Mail: sltrans98@yahoo.in

Declared as Competent Person by the Director of Facories, Government of Andhra Pradesh



Annexure XIX (Latest Copy of Form 3 & Form 4)



Rof: HESL/LTR/2022-23/022

Date: 28.05.2022

To

The Environmental Engineer, A. P. Pollution Control Board, Regional Office, D. No. 8-30-19, Sai Nagar, Thotapalem, Vizianagaram - 535 002

Sub: Submission of E-Waste annual return (Form-3) for the financial year 2021-22

Ref: E-Waste (Management) Rules, 2016 and amonoments,

Respected Sir,

Please find enclosed herewith E-Waste Annual Return in Form 3 as prescribed under the E-Waste (Management) Rules, 2016 for the Piranchit Year 2021-22 (April 1th 2021 to March 31th 2022) in respect of Hira Electro Smelters Limited, (Formerly M/s RVR Smelters Pvt. Ltd.), Plot No. 364-367, APIIC Growth Center, Bobbili, Vizianagaram (A.P.).

This is for your kind information and record, please.

Kindly acknowledge the receipt of the same

Thanking You,

Yours faithfully,
For, HIRA ELECTRO SMELFERS HMITED
(Formerly M/S RVR Smelters Pvt. Ltd.)

Authorized Signatory

Encl: A/a

CC to: The Member Secretary, Andhra Pradesh Polli 14D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Yijayawada - 520 010.

> Hira Electro Smell Formely known as RVR Sme CM | U27105AP2097PL 32

Registered Office :Plot No. 364-367, APIIC Growth Center, Bobb P : 08944 247009, F : 08944 247008

Head Office: Hira Power & Steels Ltd., Uria Industrial Co P: 0771 4082500, 4082600, F: 0771 4082 www.hpslindia.com, www.hiragrov. ENSIGNATION TWENDY NOW STISS
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HIRA
HIRA ELECTRO SMELTERS

Ref: HESL/LTR/2022-23/007

Date: 08.05.2022

To,

The Environmental Engineer, A. P. Poliution Control Board, Regional Office, D. No. 8-30-19, Sai Nagar, Thotapalem, Vizionagaram, A. P. - 535 002

Sub: Submission of Hazardous Waste Annual Return (Form-4) for the Financial Year 2021-2022 - Reg.

Ref: Consent & Authorization Order No. APPCB/VSP/VZN/156/HO/CFO/2021 Dated: 23,08,2021 & subsequent amendment made on dated: 16,09,2021.

Respected Sir,

Please find enclosed herewith Hazardous Waste Annual Return in Form-4 as prescribed under the Hazardous and other Waste (Management and Transboundary Movement) Rules, 2016 for the Financial Year 2021- 22 (April 1st 2021 to March 31st 2022) in respect of Hira Electro Smelters Limited, (Formerly M/S RVR Smelters Pvt Ltd), Plot No. 364 367, APIIC growth Center, Bobbili, Vizianagaram - 535 558,

This is for your kind information and record, please.

Kindly acknowledge the receipt of the same.

Thanking You,

Yours fathfully,

For, HIRA ELECTRO SMELTERS LIMITED (Formacly M/s RVB Sinblish Dvc Ltd)

Authorized Signatory

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Encl: Hazardous Waste Annual Return (Form-4) for the Financial Year 2021 - 22

Copy to: Member Secretary, AP Computer Secret

CEN : U27109AP20

Registered Office :Plot No. 354-367, APIIC Growth Center, Bo P : 08944 247009, F : 08944 2470

Head Office: Hira Power & Steels Ltd., Urla Industrial

P: 0771 4082500, 4082600, F: 0771 4

www.hpsllndia.com, wy

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