



HIRA ELECTRO SMELTERS

No/HESL/BBL/HR/16/2022-23/039.

Date: 30.05.2023

To,

The Additional Principal Chief Conservator of Forests (C),
Regional Office, Ministry of Environment, Forest & Climate Change,
1st & 2nd Floor, HEPC Building No.34, Cathedral Garden Road,
Nungambakkam, Chennai - 600 034

Sub: Submission of half yearly compliance report of the conditions stipulated in environmental Clearance and subsequent amendments for the period of October' 2022 to March' 2023.

Ref: 1. EC accorded vide F. No. J-11011/11039/2007-IA (II) Dated: 28th February, 2008
2. EC amended vide F. No. J-11011/1039/2007-IA II (I) Dated: 22nd March, 2012
3. EC amended vide F. No. J-11011/1039/2007-IA II (I) Dated: 30th September, 2015

Respected Sir,

Please find enclosed herewith half yearly compliance report of the conditions stipulated in Environmental Clearance and subsequent amendments for the period of October' 2022 to March' 2023 in respect of M/s. Hira Electro Smelters Limited (Formerly M/s R.V.R. Smelters Pvt. Ltd.), 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 LTD.,


Authorised Signatory

Encl: A/A:

1. The Director, Zonal Office CPCB, 1st & 2nd Floor, Nisarga Bhavan, A- Block, Thimmaiah Main Road, 7th D Cross, Shiva Nagar, Bengaluru - 560 079
2. The Member Secretary, Andhra Pradesh Pollution Control Board, gm3c +g83, APIIC Colony Road, Guru Nanak Colony, Vijayawada - 520 007
3. The Environment Engineer, A. P. Pollution Control Board, Plot No. 11, 1st Floor, Sai Nagar, Thotapalem. Vizianagaram - 535002 (A.P.)

Hira Electro Smelters Ltd.

CIN No. : 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
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HALF YEARLY COMPLIANCE REPORT
OF
THE CONDITIONS STIPULATED IN
ENVIRONMENTAL CLEARANCE
FOR
THE PERIOD OF
OCTOBER 2022 – MARCH 2023

HIRA ELECTRO SMELTERS LIMITED

(FORMERLY M/S RVR SMELTERS PRIVATE LIMITED)

Plot No. 364-367, APIIC growth Center, Bobbili, Vizianagaram – 535 558




Compliance of Environmental Clearance Conditions of

M/S Hira Electro Smelters Limited.

**Compliance report of the conditions stipulated in Environmental Clearance for the period of
October'22- March'23**

**Compliance status reports of the conditions
stipulated in Environmental Clearance Amended
vide F.No.J-11011/1039/2007-IA II (I) dated: 30th
September, 2015.**

Sr. No.	EC Conditions	Compliance																																		
2.0	<p>Its has been noted that the project was accorded environment clearance by the Ministry vide letter No. J-11011/1039/2007-IA. II(I)dated28.02.2008 and while granting the EC the quantity of Fe-Mn, Si-Mn and Fe-Cr was fixed as 18188 TPA, and 56844 TPA and 56845 TPA respectively. The proponent has requested for amendment in the environmental clearance letter by permitting to produce the Fe-Mn, Si-Mn and Fe-Cr as per the following table:</p> <table><tr><th>Quantity</th><th>Furnace as per our EC</th><th>Fe-Mn(TPA)</th><th>Si-Mn (TPA)</th><th>Fe-Cr(TP A)</th><th>Total Quantity(TP A)</th></tr><tr><td>Existing</td><td>3X6MVA 2X9MVA 1X21MVA</td><td>18188</td><td>25844</td><td>25845</td><td>100877</td></tr><tr><td rowspan="5">Proposed</td><td rowspan="5">Same as above configuration</td><td>100877</td><td>Nil</td><td>Nil</td><td>100877</td></tr><tr><td>Nil</td><td>100877</td><td>Nil</td><td>100877</td></tr><tr><td>44032</td><td>Nil</td><td>56845</td><td>100877</td></tr><tr><td>Nil</td><td>44032</td><td>56845</td><td>100877</td></tr><tr><td>44032</td><td></td><td>56845</td><td>100877</td></tr></table>	Quantity	Furnace as per our EC	Fe-Mn(TPA)	Si-Mn (TPA)	Fe-Cr(TP A)	Total Quantity(TP A)	Existing	3X6MVA 2X9MVA 1X21MVA	18188	25844	25845	100877	Proposed	Same as above configuration	100877	Nil	Nil	100877	Nil	100877	Nil	100877	44032	Nil	56845	100877	Nil	44032	56845	100877	44032		56845	100877	<p>Yes agreed, we have produced Fe-Mn: 15962 from1st October 2022 to31st March 2023.</p>
Quantity	Furnace as per our EC	Fe-Mn(TPA)	Si-Mn (TPA)	Fe-Cr(TP A)	Total Quantity(TP A)																															
Existing	3X6MVA 2X9MVA 1X21MVA	18188	25844	25845	100877																															
Proposed	Same as above configuration	100877	Nil	Nil	100877																															
		Nil	100877	Nil	100877																															
		44032	Nil	56845	100877																															
		Nil	44032	56845	100877																															
		44032		56845	100877																															
3.0	<p>The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 37th EAC meeting held during 30th April-1st May, 2015. The Committee after the detailed deliberation recommended the proposal for amendment in the Environmental Clearance for the above configuration with the following condition:</p>																																			

	<p>i. The total production capacity putting Fe-Mn, Si-Mn and Fe-Cr together should not exceed 56845TPA.</p>	<p>Agreed. We have produced Fe-Mn:15962 from 1stOctober 2022 to 31st March 2023.</p>																				
4.0	<p>In the view of the forgoing Ministry accept the recommendation of EAC and hereby accords amendment in EC dated 28.02.2008 to produce Fe-Mn, Si-Mn and Fe-Cr as proposed in Para2.0 above, with the condition that the total production capacity putting Fe-Mn, Si-Mn and Fe-Cr together should not exceed100887TPA and Fe-CR should not exceed 56845TPA.</p>	<p>Total production from Oct 2022 to March 2023 of Fe-Mn is 15962 MT.</p>																				
5.0	<p>The Company shall obtain fresh Environmental Clearance in case of any change in the scope of the project.</p>	<p>We will obtain prior permission if required in future.</p>																				
2.	<p>The Ministry of Environmental and Forests has examined the application along with EIA/EMP and correspondence letter and noted that proposal is for environmental clearance for sitting up of submerged Electric Arc Furnace (1X6 MVA) (2X9 MVA)and (2X16.5 MVA) at Growth Center, Bobbili , Vizianagram District, Andhra Pradesh by M/s R.V.R. Smelter Pvt. Ltd. The plant is located within the notified industrial growth center developed by APIIC, Andhra Pradesh. The total cost of the project is Rs. 17.26 Crores. The total land required for plant is24 acres and 3.5 acres is earmarked for green belt development. The details of production are given below:</p> <table><tr><td>ProductMix</td><td>AfterPhasel</td><td>AfterPhaseII</td><td>After PhaseIII</td></tr><tr><td>Fe-Mn</td><td>4547</td><td>18188</td><td>18188</td></tr><tr><td>Si-Mn</td><td>6461</td><td>25844</td><td>25844</td></tr><tr><td>Fe-Cr</td><td></td><td></td><td>56845</td></tr><tr><td>Total</td><td>11008</td><td>44032</td><td>100877</td></tr></table>	ProductMix	AfterPhasel	AfterPhaseII	After PhaseIII	Fe-Mn	4547	18188	18188	Si-Mn	6461	25844	25844	Fe-Cr			56845	Total	11008	44032	100877	<p>We have not exceeded production of any quantity mentioned.</p> <p>Production Details from October 2022 to March2023:-</p> <ol style="list-style-type: none">1. Fe-Mn-15962 MT2. Fe-Mn Slag-12535 MT3. Si.Mn-Nil4. Fe.Cr-Nil.
ProductMix	AfterPhasel	AfterPhaseII	After PhaseIII																			
Fe-Mn	4547	18188	18188																			
Si-Mn	6461	25844	25844																			
Fe-Cr			56845																			
Total	11008	44032	100877																			
3.	<p>The gas emitted from the furnace will passed through the Bag filters for control of particulate emissions to permissible limits. For control of fugitive emission during handling of materials water spraying will be done. The total water requirement of the project will be 80 KLD and will be supplied by APIIC. Water will be used for cooling purpose. Domestic waste water after treatment will be used for gardening or green belt development. Slag generated from manufacturing of Ferro manganese will be reused in the production of Silico manganese. 4700 MT/Annum total slag/solid waste will generated and same will be utilized for fitting of low lying areas, formation of yards developed as greenbelt which is15% if the total and.</p>	<p>Performance Evaluation was done by M/s Ultimate Envirolytical solutions Raipur.</p> <ul style="list-style-type: none">• Result for 6MVA Furnace-A Inlet of Bag House-19437.0mg/Nm³• Result for 6MVA Furnace-A outlet of Bag House - 40.3mg/Nm³																				



		<ul style="list-style-type: none"> • Result for 6MVA Furnace - B inlet of BagHouse- 18120.0mg/Nm³ • Result for 6MVA Furnace-B outlet of Bag House- 39.1mg/Nm³
4.	<p>The project activity is covered in 3(a) and is of 'A' Category Under the Schedule of EIA Notification,2006 The Expert Appraisal Committee (Industry)in its 77th meeting held on 21st -24th January 2008 considered the proposal under EIA Notification 2006 and appraised at central level. Public hearing Is not required as per para7(i)III Stage (3)(i)(b)of the EIA Notification,2006.</p>	The expansion has Been carried out as per the capacity permitted by MOEF &CC
5.	<p>The Ministry of Environmental and Forests hereby accords Environmental clearance to the above project under the Provisions of EIA Notification dated14th September,2006 Subject to strict compliance of the following specific and General conditions:</p>	The expansion has Been carried out as per the capacity Permitted by MOEF &CC



**Compliance status report of the conditions stipulated in Environmental
Clearance Accorded vide F.No.-J 11011/1039/2007-
IA(II)Dated:28.02.2008 and subsequent amendments for the period of
October 2022 to March 2023.**

A. SPECIFIC CONDITIONS:

Sr. No.	EC Conditions	Compliance
i)	The company shall regularly conduct Total Chemical Leachate Procedure (TCLP) test for the slag before its disposal and reports shall be submitted to Ministry's regional Office at Bangalore and CPCB along with the details of mode of disposal.	Ferro Manganese Slag is used as a raw material for the production of Silico Manganese and hence all the Ferro Manganese Slags (Non-Hazardous) generated in our plant are meant for sale to Silico Manganese Producers. We are submitting herewith Latest TCLP Report of Ferro Manganese Slag sold to various buyers. Latest TCLP Report is attached. (Please refer to Annexure-I).
ii)	Permission for drawl of water shall be obtained from the competent authority and copy shall be submitted to Ministry's Regional Officer at Bangalore.	We are getting regular water from APIIC water supply line.
iii)	Project authorities shall provide monitoring facilities for all the stack and air pollution control equipments shall be installed with all emission sources to keep emission levels below 100mg/Nm ³ . Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Monitoring has been done by 3 rd party recognized by MOEF&CC (Ultimate Analytical solutions). Report is attached. Please refer to Annexure - II (Stack Monitoring Report) & as Annexure-III (Ambient Air Monitoring Report) .
iv)	Secondary fugitive emissions from furnace shall be controlled within the latest permissible limits issued by the Ministry. Guidelines/ Code of Practice issued by the CPCB shall be followed.	Secondary Fugitive emission is controlled by Closed Door arrangements around the furnace. Photographs along with monitoring reports are attached. (Please refer to Annexure-IV)
v)	All the hazardous slag generated from the furnace shall be disposed off in accordance with the Hazardous Waste (Management and Handling) Rules 1989 and amended up-to-date.	Ferro Manganese Slag is used as a raw material for the production of Silico Manganese and hence all the Ferro Manganese Slags (Non-Hazardous) generated in our plant are meant for sale to Silico Manganese Producers. We are submitting herewith Latest TCLP Report of Ferro Manganese Slag sold to Various buyers. Latest TCLP Report is attached. (Please refer to Annexure-



		I)
vi)	The company shall submit a complete solid waste management plan for disposal of various solid and hazardous water generated from the plant to the Ministry's Regional Office within 3months.	We have produced Fe Mn only during the period of October'22 – March'23.High MnO Fe Mn slag is used as raw material for the production of Si Mn. Generated high MnO Fe Mn slag is being sold to Si Mn producers within the State. Hence, its disposal is not required.
vii)	Green belt shall be developed in 3.5 acres with adequate width and density to miligate the effects of fugitive emissions in and around the plant as per the CPCB guidelines in consultation with DFO	As per our earlier submissions we have developed greenbelt in 4.73Acres in our plant premises. Further as per the Board directions vide. Letter No. APPCB / VSP/ VZN / 156 / HO/ CFO / 2021 dated 25.03.2021, We have planted around 2000(Two thousand) saplings to develop balance greenbelt of 3.1Acres area in our plant premises and nearly 300 saplings outside the premises. This has already been intimated to JCEE, Vijayawada with copy to Regional Office, Vizianagaram. We are enclosing herewith copy of letter No. HESL/LTR/2021-22/012 dated 18.06.2021.The area wise detail along with number of trees is enclosed herewith as Annexure V for your ready reference.
viii)	All the treated waste water shall be recycled and reused and as far as Zero' effluent discharge shall ensured.	The treated waste water issued for plantation & sprinkling in the various areas for suppression of fugitive emissions.
ix)	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season Besides recharging the ground water table.	Complied.
x)	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Health checkup list is attached.(Annexure-VI)



B. GENERAL CONDITIONS

Sr. No.	EC Conditions	Compliance
i)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government.	We are following Consent Order No: APPCB/VSP/VZN/156/HO/CFO/2021 Dated-16/09/2021
ii)	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environmental and Forests.	We agree to the condition, when ever expansion is proposed, we apply to ministry first.
iii)	At least four ambient air quality monitoring stations shall be established in the downward directions as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack should be regularly submitted to this Ministry including its Regional Office and the SPCB/CPCB once in six months.	Monitoring has been done by 3 rd party recognized by MOEF&CC (Ultimate Envirolutical solutions). A report is attached. (Please refer to Annexure – II & Annexure–III)
iv)	The overall noise levels in around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosure etc. on all sources of noise generation. The ambient noise level should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70dBA (nighttime).	Noise level maintained as per specified limit by providing noise control measures including acoustic hoods, silencers, enclosures etc. However as a precautionary measure earplug/muff has been provided to all employees and workers. Reports attached (Please refer to Annexure–VII)
v)	The project proponent shall also comply with all the environmental protections measures and safeguard recommended in the EIA/EMP report. Further, The company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Is being complied with.
vi)	The fund earmarked towards the capital of cost and recurring cost/annum for environmental pollution control measures shall be judiciously utilized to implement	Sufficient budget have been allocated towards capital cost & recurring cost per Annum for environmental pollution control measures as per conditions stipulated by



	the condition stipulated by the Ministry of Environmental and Forests as well as the State Government. The funds so provided shall not be delivered for any other purpose.	Ministry of Environment and Forests as well as the State Government.								
		<table> <tr> <th rowspan="2">Sr. No.</th><th colspan="2">Environmental Pollution Control Measures</th></tr> <tr> <th>Facility</th><th>Capital Cost and Recurring Cost for the period of October'22-March'23 (In Lakhs)</th></tr> <tr> <td>01.</td><td>2x6.0MVA submerged arc furnace,</td><td>63.61</td></tr> </table>	Sr. No.	Environmental Pollution Control Measures		Facility	Capital Cost and Recurring Cost for the period of October'22-March'23 (In Lakhs)	01.	2x6.0MVA submerged arc furnace,	63.61
Sr. No.	Environmental Pollution Control Measures									
	Facility	Capital Cost and Recurring Cost for the period of October'22-March'23 (In Lakhs)								
01.	2x6.0MVA submerged arc furnace,	63.61								
vii)	The Regional Office of this Ministry/CPCB/SPCB will monitor the stipulated conditions. A six monthly compliance report and monitored data along with statistical interpretation shall be submitted to them regularly.	The condition is being complied with. Please refer to our letter No. HESL/LTR/2022-23/0061, Dated: 16.11.2022 for the period of April 2022 to September 2022.								
viii)	The project proponent shall inform the public that the project has been accorded environmental clearance by Ministry and Copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry of Environmental and Forests at http://envfor.nic.in . This shall be advertised within 7 days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office.	Complied.								
ix)	Project authorities shall inform the Regional office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of commissioning the land development work.	Complied.								
6.	The Ministry may revoke or suspend the clearance if implementation of any of the above condition is not satisfactory.	Agreed.								
7.	The Ministry reserves the right to Stipulated additional conditions if found necessary the company in a time bound	Agreed.								



	Manner will implement these conditions.	
8.	The above conditions will be forced in- alia under provisions of the Water (Prevention and Control of Pollution) Act.1974, the Air (Prevention and Control of Pollution) Act.1981, the Environment (Protection)Act.1986 and the public(Insurance) Liability Act. 1991 along with their amendments and rules.	Agreed, we are regularly executing project as per norms of SPCB Consent Order No: APPCB/VSP/VZN/156/HO/CFO/2021 Dated-16/09/2021

**Compliance status reports of the conditions
stipulated in Environmental Clearance Amended
vide F.No.J-11011/1039/2007-IA II(I) Dated:
22nd March, 2012.**

Sr. No.	EC Conditions	Compliance
2.	The proposal was placed before Expert Appraisal Committee-1(Industry) in its 30 th meeting held on 28 th –29 th November, 2011. The committee noted that the total production capacity, land, water and raw materials required will remain the same and ferro chrome would be dropped from the product list. About 33% of the total project area would be developed as green belt instead of 5 stacks, now 6 stacks will be installed. Slag generation will be reused. The Committee recommended the proposal for amendment in environmental clearance dated 28.02.2008 i.e. sub situation of 2x16.5MVA furnace with 2X6MVA and 1X21MVA furnace.	As per our earlier submissions we have developed greenbelt in 4.73 Acres in our plant premises. Further as per the Board directions vide Letter No. APPCB/VSP/VZN/156/HO/CFO/2021 dated 25.03.2021, We have planted around 2000 (Two thousand) saplings to develop balance greenbelt of 3.1 Acres area, in our plant premises and nearly 300 saplings outside the premises. This has already been intimated to JCEE, Vijayawada with copy to Regional Office, Vizianagaram. We are enclosing herewith copy of letter No. HESL/LTR/2021-22/012 dated 18.06.2021. The area wise detail along with number of trees is enclosed herewith as Annexure V for your ready reference.
3.	The Ministry accepts the commendation of the Expert Appraisal Committee-1(Industry) for substitution of 2X16.5 MVA furnace with 2X6 MVA and 1X21MVA furnaces. Subject to stipulation of following additional safeguards:	
i)	Data on ambient air, stack and fugitive Emissions shall be regularly submitted online to Ministry's Regional office at	Data on ambient air quality & stack emission is being submitted to the Board



	Bangalore, SPCB and Central Pollution Control Board as well as hard copy once in six months and display data on PM ₁₀ , SO ₂ and NO _x outside the premises at the appropriate place for the general public.	(Please refer to Annexure – II, III Annexure–IV).
ii)	The National Ambient Air Quality Standard issued by the Ministry vide G.S.R.No.826 (E) dated 16 th November, 2009 shall be followed.	Is being complied with.
iii)	The Project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including result of monitored data (both in hard copies as well as by e-mail) to the respective Regional office MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore/CPCB/SPCB shall monitor the stipulated conditions.	The condition is being complied with. Please refer to our letter No. HESL/LTR/2022-23/0061, Dated: 16.11.2022 for the period of April 2022 to September 2022.
iv)	The Environmental statement for each financial year ending 31 st March in From-Vasisman dated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the environment (Protection) Rules, 1986, as amendment subsequently, shall also be put on the website of the company along with the status of compliance environmental conditions and shall also be send to the respective Regional Office of the MOEF by e-mail.	Is being complied with. Copy of the same is enclosed herewith as Annexure VIII for your ready reference please.
v)	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.	As per Section 135 of the Companies Act, 2013, Every Company having Net worth of Rs five hundred crore or more, or turnover of Rs one thousand crore or more, or a net profit of Rs five crore or more during any financial year shall constitute a CSR Committee and spend, in every financial year at least 2% of average net profits of the company made during the three immediately preceding financial years.



		Even though company has provided funds under CSR on humanity ground. For detail Annexure -IX attached.
vi)	The company shall submitted within 3months their policy towards Corporate Environment Responsibility which should inter-alia address(i)Standard Operating Process/procedure to being into focus any infringement / deviation / violation of environmental or forests norms/conditions, (ii)Hierarchical system or Administrative order of the company to deal with environmental issue and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of noncompliance/violence environmental norms to the Board of the director of the Company and/or stakeholders or share holders.	Complied.
4.	The Company shall comply with all the conditions stipulated vide Ministry's as letter of even number dated 28.02.2008. In future, in case of change in the scope of project, the company shall apply for fresh environmental clearance.	Agreed. Is being complied with.



Format No. : UES/FORM/09


Ultimate
 ENVIROLYTICAL SOLUTIONS

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

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

To, Name & 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/22-23/04373	
		LAB REF NO.	UES/22-23/MISC/010267	
		DATE OF SAMPLING	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				
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	-	0.17
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.54
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.65
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.10
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.14
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	Chromium as Cr	mg/l	USEPA METHOD-1311	5.0	1.88
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

- > The above analysis report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.

 13/10/2022 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 13/10/2022 AUTHORIZED SIGNATORY
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-----End of the test report-----

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

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/22-23/04399 LAB REF NO. UES/22-23/MISC/010295 DATE OF SAMPLING 15/11/2022 DATE OF RECEIPT 17/11/2022 DATE OF REPORT 21/11/2022 DATE OF ANALYSIS Start:17/11/2022 End:21/11/2022
SAMPLE DETAILS		
CUSTOMER SAMPLE ID	FERRO MANGANESE(SLAG)	CUSTOMER REF. NO. & DATE 7200004005/A1104, 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	LIMITSCHEDULE 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	0.51
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.55
4	Lead as Pb	mg/l	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/l	USEPA METHOD-1311	25.0	0.11
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	1.56
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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-----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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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/22-23/05420
		LAB REF NO.	UES/22-23/MISC/012146
		DATE 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: 15/12/2022 End: 19/12/2022
SAMPLE 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	LIMITSCHEDULE E II (See rule 3 (1) (17) (ii))	RESULT
1	Iron as Fe	mg/l	USEPA METHOD-1311	-	0.18
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.52
3	Zinc as Zn	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	mg/l	USEPA METHOD-1311	1.0	N.D.
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.13
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	1.84
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

- The above analysis report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal dispute is forbidden.
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End of the test report





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

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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/TR/22-23/06849 LAB REF NO. UES/22-23/MISC/014449 DATE OF SAMPLING 14/01/2023 DATE OF RECEIPT 16/01/2023 DATE OF REPORT 20/01/2023 DATE OF ANALYSIS Start: 16/01/2023 End: 20/01/2023
SAMPLE DETAILS		
CUSTOMER SAMPLE ID	FERRO MANGANESE(SLAG)	CUSTOMER REF. NO. & DATE 7100004005/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	LIMITSCHEDULE E II (See rule 3 (1) (17) (ii))	RESULT
1	Iron as Fe	mg/l	USEPA METHOD-1311	-	0.19
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.54
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.61
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	0.12
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	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.

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 otherwise agreed with customer.

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





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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
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18. Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07984
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/MISC/015930
		DATE OF SAMPLING	15/02/2023
		DATE OF RECEIPT	16/02/2023
		DATE OF REPORT	20/02/2023
		DATE OF ANALYSIS	Start:16/02/2023 End: 20/02/2023
SAMPLE 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	LIMITSCHEDULE E II [See rule 3 (1) (17) (N)]	RESULT
1	Iron as Fe	mg/l	USEPA METHOD-1311	-	0.16
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.50
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.55
4	Lead as Pb	mg/l	USEPA METHOD-1311	5.0	0.10
5	Cadmium as Cd	mg/l	USEPA METHOD-1311	1.0	N.D.
6	Copper as Cu	mg/l	USEPA METHOD-1311	25.0	0.14
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	Chromium as Cr	mg/l	USEPA METHOD-1311	5.0	1.80
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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-----End of the test report-----





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16. Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/08172
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/MISC/016349
		DATE OF SAMPLING	13/03/2023
		DATE OF RECEIPT	14/03/2023
		DATE OF REPORT	18/03/2023
		DATE OF ANALYSIS	Start:14/03/2023 End: 18/03/2023
SAMPLE 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	LIMITSCHEDULE E II {See rule 3 (1) (17) (ii)}	RESULT
1	Iron as Fe	mg/l	USEPA METHOD-1311	-	0.14
2	Manganese as Mn	mg/l	USEPA METHOD-1311	10.0	0.49
3	Zinc as Zn	mg/l	USEPA METHOD-1311	250	1.52
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	0.15
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	1.82
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

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HDD-272, Phase III - Near JP Chowk,
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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	REPORT NO.	UES/TR/22-23/04368	
	LAB REF NO.	UES/22-23/ST/010259	
	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			
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	BAG FILTER			
Material Of Construction	MS PLATE			
Height of the stack from ground level (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	-	117
Flue Gas Velocity	M/s	IS :11255 : (Part -3):2008	-	7.9
Total Gas Quantity	Nm ³ /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 (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	168
O ₂	%	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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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





HDD-272, Phase III - Near JP Chowk
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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/04369	
To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIHC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh		LAB REF NO.	UES/22-23/ST/010260	
		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				
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 ground level (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	Nm ³ /h	IS :11255: (Part -3):2008	-	80668.9
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	301
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	132
O ₂	%	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/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	36.2

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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 13/10/2022 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----





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

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Name & Address Of The Customer To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	REPORT NO.	UES/TR/22-23/04495	
	LAB REF NO.	UES/22-23/ST/010326	
	DATE OF SAMPLING	15/11/2022	
	DATE OF RECEIPT	17/11/2022	
	DATE OF REPORT	21/11/2022	
	DATE OF ANALYSIS	Start: 17/11/2022	End: 21/11/2022
SAMPLE 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	BAG FILTER			
Material Of Construction	MS PLATE			
Height of the stack from ground level (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	-	112
Flue Gas Velocity	M/s	IS :11255 : (Part -3):2008	-	7.6
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	66496.9
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	264
Oxides Of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	152
O ₂	%	IS 13270:1992, RA 2009	-	9.2
CO ₂	%	IS 13270:1992, RA 2009	-	10.5
Absolute Pressure	mmHg	IS :11255 : (Part -3):2008	-	739.8
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	30.8

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 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report

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Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & 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/22-23/04496	
	LAB REF NO.	UES/22-23/ST/010327	
	DATE OF SAMPLING	15/11/2022	
	DATE OF RECEIPT	17/11/2022	
	DATE OF REPORT	21/11/2022	
	DATE OF ANALYSIS	Start: 17/11/2022	End: 21/11/2022
SAMPLE DETAILS			
Monitoring For	Stack Emission Monitoring		
Customer Ref. No. & Date	7200004005/UI04, 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				6 MVA Furnace-B
Stack Identity				BAG FILTER
Stack Attached To				MS PLATE
Material Of Construction				35.0 MTR
Height of the stack from ground level (meter)				2.0 MTR
Stack Diameter				CIRCULAR
Stack Shape At Top				
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	Nm ³ /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
O ₂	%	IS 13270:1992, RA 2009	-	9.4
CO ₂	%	IS 13270:1992, RA 2009	-	10.8
Absolute Pressure	mmHg	IS :11255 : (Part -3):2008	-	739.8
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	38.4

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Terms & conditions

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Name & 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/22-23/05415	
	LAB REF NO.	UES/22-23/ST/012138	
	DATE OF SAMPLING	13/12/2022	
	DATE OF RECEIPT	15/12/2022	
	DATE OF REPORT	19/12/2022	
	DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022
SAMPLE 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 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.,		
Sample Quantity/Packing			

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 ground level (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	-	120
Flue Gas Velocity	M/s	IS :11255 : (Part -3):2008	-	9.5
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	81429.1
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	268
Oxides Of Nitrogen (NO _x)	mg/Nm ³	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/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	32.6

REMARKS: RESULTS ARE AS ABOVE

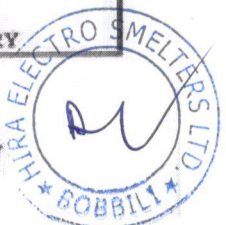
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HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

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/22-23/05416	
	LAB REF NO.	UES/22-23/ST/012139	
	DATE OF SAMPLING	13/12/2022	
	DATE OF RECEIPT	15/12/2022	
	DATE OF REPORT	19/12/2022	
	DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022
SAMPLE 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				EAG FILTER
Material Of Construction				MS PLATE
Height of the stack from ground level (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	-	112
Flue Gas Velocity	M/s	IS :11255 : (Part -3):2008	-	10.8
Total Gas Quantity	Nm ³ /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
O ₂	%	IS 13270:1992, RA 2009	-	9.3
CO ₂	%	IS 13270:1992, RA 2009	-	10.6
Absolute Pressure	mmHg	IS :11255 : (Part -3):2008	-	739.2
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	37.4

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Name & Address Of The Customer		REPORT NO.	UES/TR/21-22/06475	
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/21-22/51/013749	
		DATE OF SAMPLING	13/12/2022	
		DATE OF RECEIPT	15/12/2022	
		DATE OF REPORT	19/12/2022	
		DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022
SAMPLE DETAILS				
Monitoring For	DG Stack Emission Monitoring			
Customer Ref. No.	S.O. No. 7200003188/U104, Dated:01.04.2021			
Sampling Location	DG Set-125 KVA			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference.			
Sample	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.,			
Quantity/Packing	Hg: 500ml X 1 No. Glass Bottle & 500ml X 3 NO. PVC Bottle.			

TEST REPORT				
Stack details				
Stack Identity	DG SET			
Stack Attached to	DG-SET-125 KVA			
Material of construction	MS Plate			
Stack height above ground level	4.0 meter			
Stack diameter	0.3 meter			
Stack shape at top	Circular			
Type of fuel	HSD			
Parameter	Unit	Result	Limit	Method Reference
Flue gas Temperature	°C	147	-	IS 11255 (Part 3)-2008
Flue gas velocity	m/s	9.3	-	IS 11255 (Part 3)-2008
Total gas quantity	Nm ³ /h	1678.3	-	IS 11255 (Part 3)-2008
Total Particulate Matter (PM) (Corrected at 15 % O ₂)	mg/Nm ³	36.2	75	IS 11255 (Part 1)-1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	48.8	-	IS 11255 (Part 2)-1985, RA 2003
Oxides of Nitrogen (NO _x)(Corrected at 15 % O ₂) Dry Basis	ppm	150	360	IS 11255 (Part 7)-2005, RA 2012
Non-Methane hydrocarbon (NMHC) (Corrected at 15 % O ₂)	mg/Nm ³	26	100	APHA METHOD 109, P-259
Carbon Monoxide (CO)	mg/Nm ³	114	150	APHA METHOD 130, P-359

REMARKS: RESULTS ARE AS ABOVE

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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 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/22-23/06845	
	LAB REF NO.	UES/22-23/ST/014442	
	DATE OF SAMPLING	14/01/2023	
	DATE OF RECEIPT	16/01/2023	
	DATE OF REPORT	20/01/2023	
	DATE OF ANALYSIS	Start: 16/01/2023	End: 20/01/2023
SAMPLE 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				6 MVA Furnace-B
Stack Identity				BAG FILTER
Stack Attached To				MS PLATE
Material Of Construction				35.0 MTR
Height of the stack from ground level (meter)				2.0 MTR
Stack Diameter				CIRCULAR
Stack Shape At Top				
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	-	9.3
Total Gas Quantity	Nm ³ /h	IS:11255:(Part-3):2008	-	82225.5
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	299
Oxides Of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	144
O ₂	%	IS 13270:1992, RA 2009	-	9.5
CO ₂	%	IS 13270:1992, RA 2009	-	10.7
Absolute Pressure	mmHg	IS:11255:(Part-3):2008	-	739.8
Total Particulate Matter (TPM)	mg/Nm ³	IS:11255:(Part-1):1985, RA 2003	50	38.0

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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07980	
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/ST/015923	
		DATE OF SAMPLING	15/02/2023	
		DATE OF RECEIPT	16/02/2023	
		DATE OF REPORT	20/02/2023	
		DATE OF ANALYSIS	Start:16/02/2023	End: 20/02/2023
SAMPLE 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 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.,		
Sample Quantity/Packing				

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 ground level (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	-	117
Flue Gas Velocity	M/s	IS :11255 : (Part -3):2008	-	9.4
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	81191.7
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	278
Oxides Of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	171
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	-	739.2
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 : (Part -1):1985, RA 2003	50	31.2

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Name & Address Of The Customer To, M/s. Hira Electro Smelters Limited, Plot No.364 to 367, APIC, Growth Center, Bobbili (V) & (M), District -Vizianagaram, Andhra Pradesh	REPORT NO.	UES/TR/22-23/07945	
	LAB REF NO.	UES/22-23/ST/015931	
	DATE OF SAMPLING	15/02/2023	
	DATE OF RECEIPT	16/02/2023	
	DATE OF REPORT	20/02/2023	
	DATE OF ANALYSIS	Start:16/02/2023	End: 20/02/2023
SAMPLE DETAILS			
Monitoring For	Stack Emission Monitoring		
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	6 MVA Furnace-E		
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-E
Stack Attached To				BAG FILTER
Material Of Construction				MS PLATE
Height of the stack from ground level (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	-	111
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	-	9.8
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	85969.3
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	295
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	153
O ₂	%	IS 13270:1992, RA 2009	-	9.2
CO ₂	%	IS 13270:1992, RA 2009	-	10.1
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	-	739.2
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	36.2

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Name & 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/22-23/08167	
	LAB REF NO.	UES/22-23/ST/016341	
	DATE OF SAMPLING	13/03/2023	
	DATE OF RECEIPT	14/03/2023	
	DATE OF REPORT	18/03/2023	
	DATE OF ANALYSIS	Start:14/03/2023	End: 18/03/2023
SAMPLE 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 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.,		
Sample Quantity/Packing			

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 ground level (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	-	109
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	-	9.7
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	85537.5
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	269
Oxides Of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	174
O ₂	%	IS 13270:1992, RA 2009	-	9.1
CO ₂	%	IS 13270:1992, RA 2009	-	9.9
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	-	739.4
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	36.7

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Name & Address Of The Customer:		REPORT NO.	UES/TR/22-23/07980	
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/ST/015923	
		DATE OF SAMPLING	15/02/2023	
		DATE OF RECEIPT	16/02/2023	
		DATE OF REPORT	20/02/2023	
		DATE OF ANALYSIS	Start:16/02/2023	End: 20/02/2023
SAMPLE 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				6 MVA Furnace-A
Stack Identity				BAG FILTER
Stack Attached To				MS PLATE
Material Of Construction				35.0 MTR
Height of the stack from ground level (meter)				2.0 MTR
Stack Diameter				CIRCULAR
Stack Shape At Top				
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	-	9.4
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	81191.7
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	278
Oxides Of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	171
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	-	739.2
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	31.2

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Name & 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/22-23/08168	
	LAB REF NO.	UES/22-23/ST/016342	
	DATE OF SAMPLING	13/03/2023	
	DATE OF RECEIPT	14/03/2023	
	DATE OF REPORT	18/03/2023	
	DATE OF ANALYSIS	Start:14/03/2023	End:18/03/2023
SAMPLE 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 ground level (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	-	108
Flue Gas Velocity	M/s	IS :11255 :(Part -3):2008	-	9.6
Total Gas Quantity	Nm ³ /h	IS :11255: (Part -3):2008	-	84877.9
Sulphur Dioxide (SO ₂)	mg/Nm ³	IS 11255 (Part 2):1985, RA 2003	600	283
Oxides Of Nitrogen (NOx)	mg/Nm ³	IS 11255 (Part 7):2005, RA 2012	300	159
O ₂	%	IS 13270:1992, RA 2009	-	9.4
CO ₂	%	IS 13270:1992, RA 2009	-	10.2
Absolute Pressure	mmHg	IS :11255 :(Part -3):2008	-	739.4
Total Particulate Matter (TPM)	mg/Nm ³	IS :11255 :(Part -1):1985, RA 2003	50	36.6

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

Name & 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/22-23/04367	
Lab Ref No.	UES/22-23/AAQM/010255-010258	
Date of Sampling	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
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 Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 & CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 & CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	100	60.6	62.8	64.9	54.2
PM _{2.5}	µg/m ³	60	33.0	30.2	27.2	22.8
SO ₂	µg/m ³	80	16.8	13.6	12.4	10.2
NO ₂	µg/m ³	80	23.0	24.9	28.6	20.6
CO	mg/m ³	4.0	0.58	0.44	0.66	0.21

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.

19/10/2022
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Subhajeet
19/10/2022
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End of the test report





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

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Name & Address Of The Customer		Report No.	UES/TR/22-23/04395	
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/AAQM/010285-010288	
		Date of Sampling	15/11/2022 to 16/11/2022	
		Date of Receipt	17/11/2022	
		Date of Report	21/11/2022	
		Date of Analysis	Start:17/11/2022 End:21/11/2022	
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) 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 Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	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/m ³	80	17.2	14.4	13.8	11.6
NO ₂	µg/m ³	80	22.2	24.6	26.9	22.8
CO	mg/m ³	4.0	0.51	0.48	0.72	0.26

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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End of the test report

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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & 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/22-23/05414
Lab Ref No. UES/22-23/AAQM/012134-012137
Date 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: 15/12/2022 End:19/12/2022

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) 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 Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	100	61.4	60.7	63.8	58.2
PM _{2.5}	µg/m ³	60	32.6	31.3	29.6	27.4
SO ₂	µg/m ³	80	16.2	14.8	14.2	11.7
NO ₂	µg/m ³	80	22.6	23.8	24.6	21.6
CO	mg/m ³	4.0	0.60	0.42	0.61	0.18

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Signature
19/12/2022

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Signature

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Name & Address Of The Customer		Report No.	UES/TR/22-23/06843
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/AAQM/014437-014440
		Date of Sampling	13/01/2023 to 14/01/2023
		Date of Receipt	16/01/2023
		Date of Report	20/01/2023
		Date of Analysis	Start: 16/01/2023 End: 20/01/2023
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) 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 _x : 30mlX1 NO. PVC Bottle,		

Test Method for Ambient Air Quality Monitoring

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

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	100	62.0	61.3	64.4	59.4
PM _{2.5}	µg/m ³	60	33.4	31.8	30.2	28.6
SO ₂	µg/m ³	80	17.4	15.6	14.8	12.2
NO ₂	µg/m ³	80	22.8	24.2	25.1	22.8
CO	mg/m ³	4.0	0.66	0.48	0.69	0.24

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.

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Name & Address Of The Customer		Report No.	UES/TR/22-23/07979	
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/AAQM/015919-015922	
		Date of Sampling	15/02/2023 to 16/02/2023	
		Date of Receipt	16/02/2023	
		Date of Report	20/02/2023	
		Date of Analysis	Start:16/02/2023 End:20/02/2023	
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) 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 Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182:(Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182:(Part-2):2001, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182:(Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	100	62.4	60.5	64.6	60.2
PM _{2.5}	µg/m ³	60	32.8	30.2	30.9	29.1
SO ₂	µg/m ³	80	17.9	16.7	15.1	13.4
NO ₂	µg/m ³	80	21.6	24.6	25.8	23.0
CO	mg/m ³	4.0	0.68	0.41	0.66	0.28

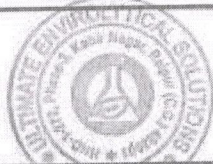
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For ULTIMATE ENVIROLYTICAL SOLUTIONS

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Name & 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/22-23/08166
Lab Ref No. UES/22-23/AAQM/016337-016340
Date of Sampling 13/03/2023 to 14/03/2023
Date of Receipt 14/03/2023
Date of Report 18/03/2023
Date of Analysis Start:14/03/2023 End:18/03/2023

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)
4. Near Admin Office (South)
Customer Ref. No. & Date 7200004005/VI04, DATED:16.06.2022
Duration Of Sampling As per CPCB norms
Sample Collected By Laboratory Chemist
Sampling Procedure As Per Method Reference
Sample Quantity/Packaging Filter Paper (PM₁₀): 1X1 No., Filter Paper (PM_{2.5}): 1X1 No.
SO₂: 30mlX1 No. PVC Bottle, NO₂: 30mlX1 No. PVC Bottle,

Test Method for Ambient Air Quality Monitoring

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

TEST REPORT

Parameter	Unit	NAAQM Standard	Results			
			Near Security Gate (West)	Near Sub Store (East)	Near R.M. Yard (North)	Near Admin Office (South)
PM ₁₀	µg/m ³	100	63.0	61.2	64.9	60.6
PM _{2.5}	µg/m ³	60	33.4	30.8	31.5	29.4
SO ₂	µg/m ³	80	18.1	17.0	15.6	13.8
NO ₂	µg/m ³	80	21.8	24.9	26.0	23.7
CO	mg/m ³	4.0	0.73	0.44	0.68	0.31

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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- > This is for information as the party has asked for (have test(s) only).

18/03/23

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Name & 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/22-23/04371	
	LAB REF NO	UES/22-23/FE/010263	
	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			
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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	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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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/04397
To,		LAB REF NO	UES/22-23/FE/010291
M/s. Hira Electro Smelters Limited,		DATE OF SAMPLING	15/11/2022 to 16/11/2022
Plot No.364 to 367, APIIC,		DATE OF RECEIPT	17/11/2022
Growth Center, Bobbili (V) & (M),		DATE OF REPORT	21/11/2022
District -Vizianagaram, Andhra Pradesh		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 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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1120	2000	EPA Method IO-2.1

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

REMARKS: RESULTS ARE AS ABOVE

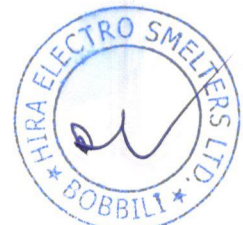
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- This is for information as the party has asked for above test(s) only

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End of the test report

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/05418	
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/012142	
		DATE OF SAMPLING	13/12/2022	
		DATE OF RECEIPT	15/12/2022	
		DATE OF REPORT	19/12/2022	
		DATE OF ANALYSIS	Start: 15/12/2022	End: 19/12/2022
SAMPLE DETAILS				
MONITORING FOR	FUGITIVEEMISSION			
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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1042	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 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only

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End of the test report





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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/06847	
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/014445	
		DATE OF SAMPLING	14/01/2023	
		DATE OF RECEIPT	16/01/2023	
		DATE OF REPORT	20/01/2023	
		DATE OF ANALYSIS	Start: 16/01/2023	End: 20/01/2023
SAMPLE DETAILS				
MONITORING FOR	FUGITIVEEMISSION			
CUSTOMER REF. NO. & DATE	7200004005/U104, DATED:16.06.2022			
SAMPLING LOCATION	NEARFURNACE 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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1026	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

 20/01/23 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO	UES/TR/22-23/07982	
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/015926	
		DATE OF SAMPLING	15/02/2023	
		DATE OF RECEIPT	16/02/2023	
		DATE OF REPORT	20/02/2023	
		DATE OF ANALYSIS	Start:16/02/2023	End: 20/02/2023
SAMPLE DETAILS				
MONITORING FOR	FUGITIVEEMISSION			
CUSTOMER REF. NO. & DATE	7200004005/U104, DATED:16.06.2022			
SAMPLING LOCATION	NEARFURNACE 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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1005	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

 20/02/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & 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/22-23/08170	
	LAB REF NO	UES/22-23/FE/016345	
	DATE OF SAMPLING	13/03/2023	
	DATE OF RECEIPT	14/03/2023	
	DATE OF REPORT	18/03/2023	
	DATE OF ANALYSIS	Start:14/03/2023	End: 18/03/2023
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. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
			NEAR FURNACE AREA		
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1128	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

 18/03/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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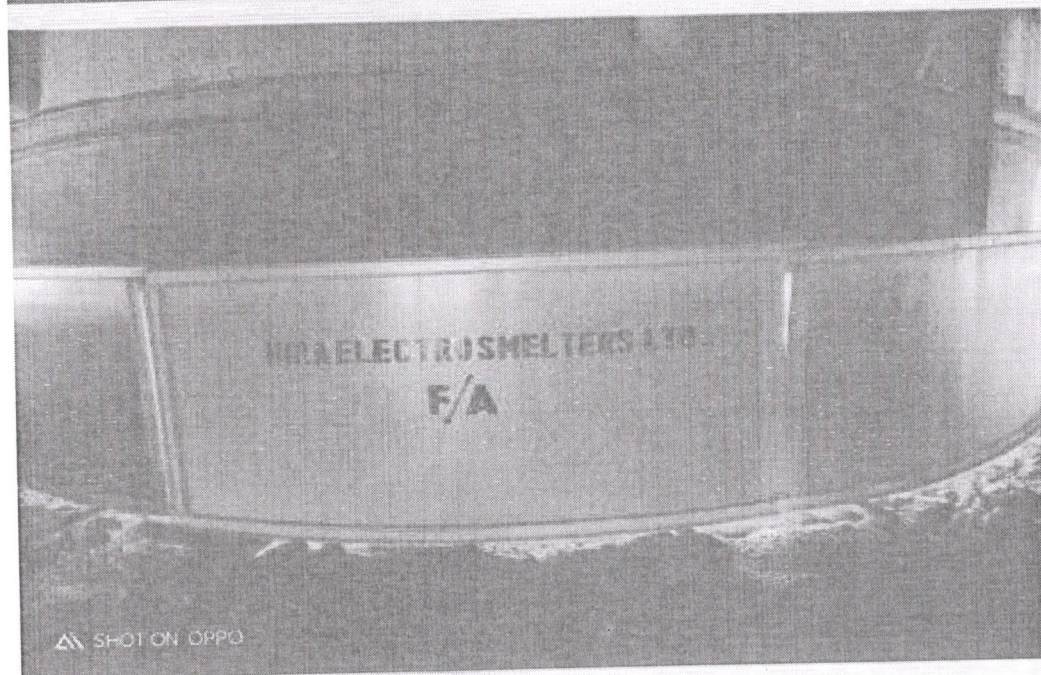
-----End of the test report-----

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



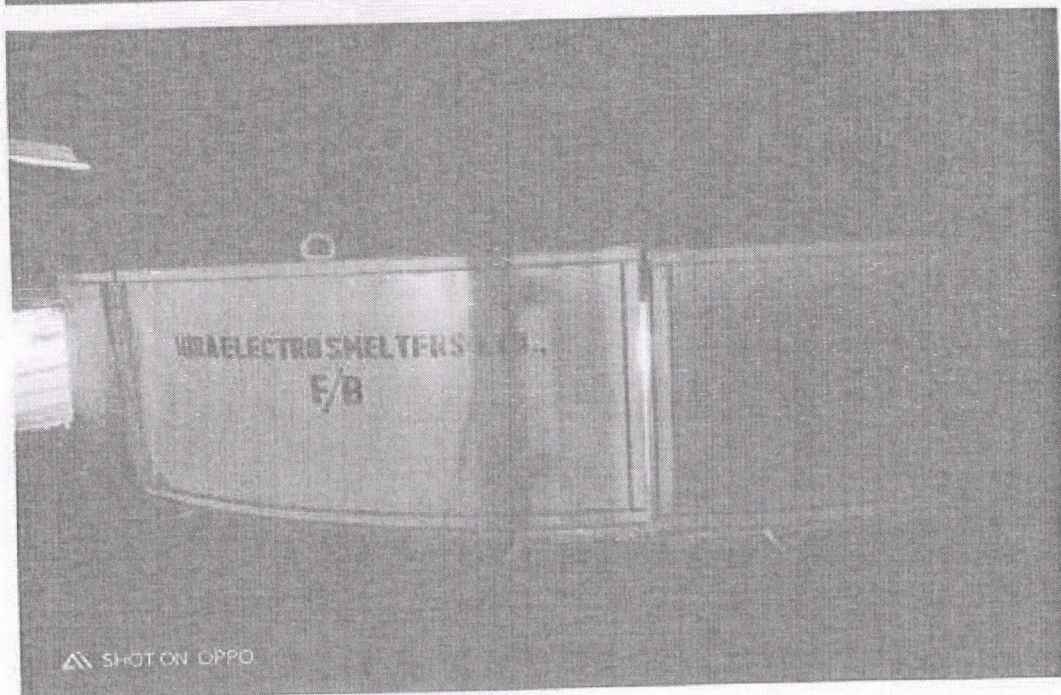
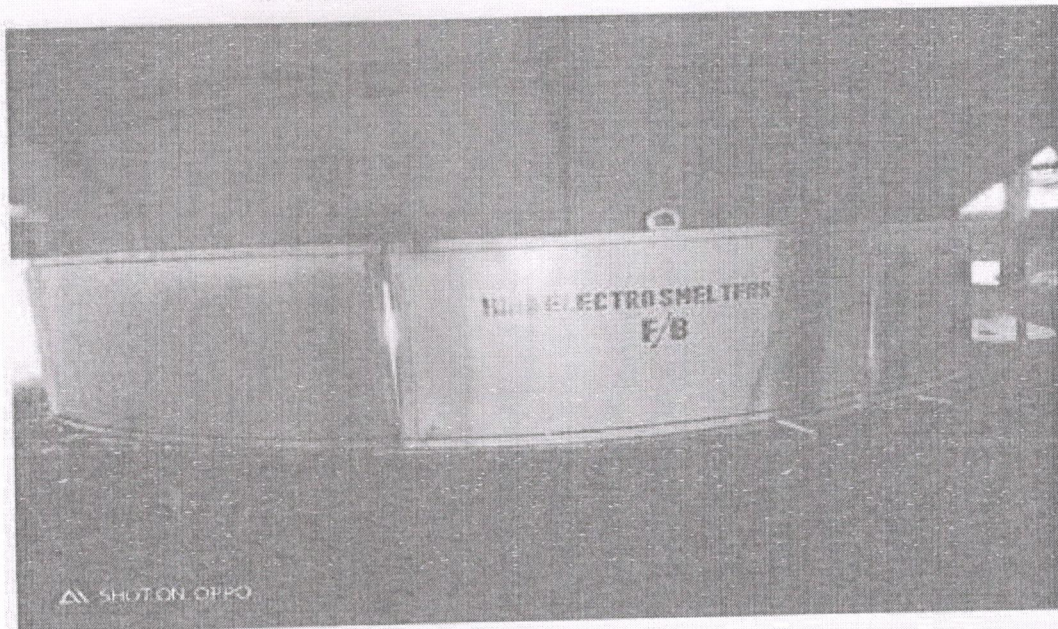
HIRA ELECTRO SMELTERS LTD, APIIC GROWTH CENTER, BOBBILI

MOVABLE CLOSED DOORS AT FURNACE-A & FURNACE-B



HIRA ELECTRO SMELTERS LTD, APIIC GROWTH CENTER, BOBBILI

MOVABLE CLOSED DOORS AT FURNACE-A & FURNACE-B



EMPLOYEES' HEALTH EXAMINATION REPORT

Health Examination Done by: PHILADELPHIA LEPROSY HOSPITAL, SALUR, PARVATHIPURAM DT.

Date of health examination: 15-December-2022

Place of health examination: HIRA ELECTRO SMELTERS LIMITED.

S.No	E-Code	Reg.No.	A/C.	Name	Designation	Age	Fit/Unfit
1	8173	4	HESL	Mr.Duvvu Chakradhar Rao	LT.Cum Personnel Asst.	33	FIT
2	8139	98	HESL	Mr.P.Gunna Raju	Asst. Manager	32	FIT
3	8003	85	HESL	Mr.M.S.M. Basha	Commercial Officer	54	FIT
4	8192	94	HESL	Mr.B.D.Suresh Kumar	Asst.Accounts Officer	43	FIT
5	8187	103	HESL	Mr.Potta Gunesh	Accountant	31	FIT
6	8220	5	HESL	Mr.Rajendra P. Dewangan	Sr. Manager (HR. & Admin)	44	FIT
7	8004	54	HESL	Mr.K.Mohan Sarma	Asst. Manager	54	FIT
8	8105	138	HESL	M. Chiranjeevi	AGM (Production)	36	FIT
9	8228	105	HESL	Kottapu Srinivasa Rao	Safety Officer (HSE&E)	31	FIT
10	8150	104	HESL	Mr.P.Krishna Murthy	Supervisor (Safety & H.K.)	47	FIT
11	8190	6	HESL	Mr.Pappala Srinivasa Rao	Dy.Manager (Admin)	52	FIT
12	8214	106	HESL	Mr.B.Shiva Prasad	Office Asst. (Commercial)	32	FIT
13	8079	97	HESL	Smt.Siriki Anusha	Office Attendent	30	FIT
14	8216	2	HESL	Mr.Rajesh Kumar Dwivedi	Chief Security Officer	47	FIT
15	8087	126	HESL	Mr.Sanjay Dash	Security Supervisor	56	FIT
16	8114	96	HESL	Mr.B.Venkateswararao	Sr.Manager (prod)	57	FIT
17	8013	124	HESL	Mr.V.V.Varma Raju	Sr.Shift Incharge	42	FIT
18	8015	73	HESL	Mr.K.Govind Raju	Sr.Shift Incharge	37	FIT
19	8096	83	HESL	Mr.N.Srinivas Rav	Sr.Shift Incharge	45	FIT
20	8177	86	HESL	Mr.Kaderala Ramesh Rao	Sr.Shift Incharge	45	FIT
21	8016	29	HESL	Mr.G.Naga Raju	Shift Incharge	50	FIT
22	8213	108	HESL	Mr.Kola Sankararao	Shift Incharge	30	FIT
23	8019	146	HESL	Mr.A.Rajesh	Sr.C R Operator	32	FIT
24	8018		HESL	Mr.B.Sankara Rao	Sr.C R Operator	38	FIT
25	8133	109	HESL	Mr.Dunga Kailasa Rao	CRO	36	FIT

HESI/Medical Examination/2022



5/8/2023

Purpa Kanti Pal
 Dr. Pushpa Kanti Pal, MS, Reg.No.12273 (OMC)
 Obstetrician & Gynecologist,
 Philadelphia Community Hospital,
 SALUR - 535 501, VZM Dist., AP

Page

No	E-Code	Reg.No.	A/C.	Name	Designation	Age	FIT
26	8158	62	HESL	Mr.K. Ramakrishna	C R O	42	FIT
27	8021		HESL	Mr.B.Uma Maheswara Rao	Tapper	50	FIT
28	8020		HESL	Mr.B.Rama Rao	Tapper	44	FIT
29	8022	35	HESL	Mr.Chikala Srinu	Tapper	44	FIT
30	8061	125	HESL	Mr.Shashikanta Behra	Sr. Manager (Mech.)	38	FIT
31	8204	110	HESL	Mr.P. Sanyasirao	Asst. Manager (Mech.)	37	FIT
32	8201	75	HESL	Mr. Kuluru Jeevan Kumar	Sr. Engineer (Project)	28	FIT
33	8203		HESL	Mr. Akshay S. Dhuamale	Engineer (Project)	26	FIT
34	8184	30	HESL	Mr.Aswini Kumar Dehury	Foreman	42	FIT
35	8099	13	HESL	Mr.A.Satya Narayana	Sr. Welder	49	FIT
36	8036		HESL	Mr.B.Appa Rao	Fitter	40	FIT
37	8038	116	HESL	Mr.G.Mahesh	Welder	37	FIT
38	8032	61	HESL	Mr.R.Gopal Rao	Jr. Welder	47	FIT
39	8033	64	HESL	Mr.P.Ravi Kumar	Fitter	36	FIT
40	8037	46	HESL	Mr.T.Rama Rao	Welder	34	FIT
41	8123	59	HESL	Mr.K.Siva Kumar	Fitter	28	FIT
42	8124	122	HESL	Mr.P.Venkatesh	Jr. Welder	24	FIT
43	8100	47	HESL	Mr.D.Srinivasa Raju	Helper	49	FIT
44	8101	68	HESL	Mr.L.Venkatesh	Helper	32	FIT
45	8023		HESL	Mr.P.Ramakrishna	Tapper	38	FIT
46	8199	76	HESL	Kaushal K. Vishwakarma	Asst. Manager (Civil)	39	FIT
47	8025	88	HESL	Mr.V.Srinivasa Rao	Supervisor (Civil)	58	FIT
48	8200	77	HESL	Mr. Ankit Pandey	GET (Civil)	24	FIT
49	8170	89	HESL	Mr. J.Santosh Kumar	Asst. Manager (Elect.)	34	FIT
50	8191		HESL	Mr.C.Appala Ajay Babu	Engineer (Elect.)	34	FIT
51	8212	93	HESL	Mr.Pappala Srinivas Rao	Engineer (Elect.)	29	FIT
52	8215	91	HESL	Mr. Duvvu Gireesh	Engineer (Elect.)	27	FIT
53	8028	87	HESL	Mr.P.Appala Naidu	Sr.Electrician	37	FIT
54	8094	84	HESL	Mr.M.Ramakrishna	Electrician	39	FIT
55	8109	102	HESL	Mr.Muralimohan Rao	Electrician	41	FIT

Sr	E-Code	Reg.No.	A/C.	Name	Designation	Age	Fit/Unfit
56	8149		HESL	Mr.P.Eswara Rao	Electrician	32	FIT
57	8211	107	HESL	Mr.Jami Venkateswra Rao	Electrician	33	FIT
58	8085	114	HESL	Mr.Arasada Harikrishna	Jr.Electrician	29	FIT
59	8128	40	HESL	Mr.K.Suryanarayana	Helper (Elect.)	26	FIT
60	8024	41	HESL	Mr.B.Ramanandam	Sr.Supervisor (Charging)	44	FIT
61	8125	153	HESL	Mr.B.Ramesh	Beatch Operator	33	FIT
62	8126	No 27	HESL	Mr.CH.Ramu	Beatch Operator	32	FIT
63	8051	33	HESL	Mr.A.Rama Rao	Asstt. Supervisor	46	FIT
64	8005	82	HESL	Mr.P. Rajanikanth	Asstt. Supervisor	42	FIT
65	8102	63	HESL	Mr.A.Venkata Ramana	Supervisor (Packing)	50	FIT
66	8163		HESL	Mr.Devakaran Sharma	Asst. Comm. Officer	41	FIT
67	8162	44	HESL	Mr.Sanjay Kumar	Asstt. Supervisor	39	FIT
68	8068	34	HESL	Mr.Vandrasri Srinivas Rao	Helper (R/M)	32	FIT
69	8110	3	HESL	Mr.Srinivasarao Baru	Jr. Manager (Quality Control)	35	FIT
70	8186	43	HESL	Mr.Doppa Nagaraju	Chemist	43	FIT
71	8112	17	HESL	Mr.J.Taviti Raju	Jr. Chemist	36	FIT
72	8148	16	HESL	Mr.Manipuri Tirumala Rao	Jr. Chemist	35	FIT
73	8008	10	HESL	Mr.N.Venkata Ramana	Asst.Manager (Stores)	52	FIT
74	8217		HESL	Mr.Vishwa Pratap Yadav	Dy. Manager (Stores)	45	FIT
75	8045	9	HESL	Mr.M.Shridhar Sharma	Stores Officer	45	FIT
76	8206	8	HESL	Mr.Vedula Sanyasi Rao	Stores Officer	43	FIT
77	8165	No 27	HESL	Mr.Mandal Banibrata	Store Keeper	52	FIT
78	8103	132	HESL	Mr.K.Polcesu	Store Asst.	39	FIT
79	8137	101	HESL	Mr.Akhilesh Kumar Sahu	Engineer (Automobile)	32	FIT
80	8047	99	HESL	Mr.S.K.Rahim	JCB Operator	29	FIT
81	8074	60	HESL	Mr.Rejeti Rama Rao	Hydra Operator	54	FIT
82	8066	No 27	HESL	Mr.V.Tirupati	Loader Operator	45	FIT
83	8132		HESL	Mr.Saiman Rout	Loader Operator	36	FIT
84	8222	55	HESL	P. Kiran Kumar	GET (Metal)	23	FIT
85	ADC/01	No 27	Alok	Avuddu Parvathi	Helper	45	FIT

HESL/Medical Examination/2022

5/8/2023

Pushpa Kanti Pal
 Dr. Pushpa Kanti Pal, MS., Reg.No.12273 (OMC)
 Obstetrician & Gynaecologist,
 Philadelphia Community Hospital,
 SALUR - 535 91 VVM Dist., AP



S.No	E-Code	Reg.No.	A/C.	Name	Designation	Age	FIT
86	ADC/02		Alok	Vandrasī Ramanamma	Helper	45	FIT
87	ADC/03	No 27	Alok	Vandrasī Sai	Helper	40	FIT
88	ADC/04	No 27	Alok	Vandrasī Ramanamma	Helper	40	FIT
89	ADC/05		Alok	Bhriguram Bauri	Helper	52	FIT
90	ADC/06		Alok	Kedar Bag	Helper	40	FIT
91	10018	131	Jaya.	Cheekala Gopala Rao/Narayana	Asst.Tapper	48	FIT
92	10020		Jaya.	Betanapalli Srinivasa Rao	Asst.Tapper	47	FIT
93	10096		Jaya.	Mamidi Gopalam	Asst.Tapper	38	FIT
94	10024	72	Jaya.	Kotla Ganesh	Asst.Tapper	32	FIT
95	10016		Jaya.	Bavi Ravi	Tapping Helper	30	FIT
96	10017	71	Jaya.	Cheekala Gopala Rao/Appalana	Tapping Helper	38	FIT
97	10050	No 27	Jaya.	Chukka Srinivasa Rao	Tapping Helper	50	FIT
98	10022	32	Jaya.	Penta Adinarayana	Tapping Helper	45	FIT
99	10023	31	Jaya.	Paila Eswara Rao	Tapping Helper	38	FIT
100	10032	130	Jaya.	Pappala Rama Rao	Tapping Helper	50	FIT
101	10051	53	Jaya.	Thokala Somulu	Tapping Helper	47	FIT
102	10061	127	Jaya.	Vandrasī Poloraju	Tapping Helper	35	FIT
103	10100		Jaya.	Vandrasī Apparao (S/o Gopal)	Tapping Helper	40	FIT
104	10075	57	Jaya.	Tiyyala Ramana	Tapping Helper	40	FIT
105	10076	54	Jaya.	Arasada Ramana	Tapping Helper	56	FIT
106	10053	129	Jaya.	Puvvala Appa Rao	Tapping Helper	33	FIT
107	10055	No 27	Jaya.	Suvvana Ramesh	Tapping Helper	32	FIT
108	10054	No 27	Jaya.	Gudiseti Srinu (GTV)	Tapping Helper	42	FIT
109	10031	152	Jaya.	V.Chakradhara Rao	Deck Helper	46	FIT
110	10027	36	Jaya.	Sambangi Sriramulu	Deck Helper	46	FIT
111	10081	No 27	Jaya.	Gorle Srinu	Deck Helper	55	FIT
112	10121	121	Jaya.	Pyla Venkata Rao	Batching	32	FIT
113	10058	142	Jaya.	Ruthalal Tirupathi Rao	Batching	54	FIT
114	10033	No 27	Jaya.	Sunkari Janakeswar Rao	Batching/Hoist	52	FIT
115	10083	No 27	Jaya.	Sunkari Satyanarayana	Hoist	52	FIT

			A/C.	Name	Designation	Age	Fit/Unfit
116	10029		Jaya.	Kanguva Murali	Hoist	45	FIT
117	10013	No 27	Jaya.	Kinguva Krishna	Paste	55	FIT
118	10085	14	Jaya.	Vandrasi Polinaidu	Paste	35	FIT
119	10012	12	Jaya.	Pattikayala Chinni Setty	Paste	54	FIT
120	10077	15	Jaya.	Bogadi Gouri Shankar	Paste	39	FIT
121	10097		Jaya.	Vandrusi Gopi	Khalasi	55	FIT
122	10095	137	Jaya.	Magada Lakshmana	Khalasi	40	FIT
123	10035	143	Jaya.	Kella Satyanarayana	Khalasi	47	FIT
124	10036	42	Jaya.	Pinninty Simhachalam	Khalasi	52	FIT
125	10104	145	Jaya.	Bogadi Srinu	Khalasi	34	FIT
126	10106	139	Jaya.	Bobbili Srinu	Khalasi	44	FIT
127	10105	141	Jaya.	Killana Ramana	Khalasi	43	FIT
128	10093	128	Jaya.	Tiyyala Ranga	Poll. Breq.	27	FIT
129	10060	No 27	Jaya.	Vandrasi Thaodu	Poll. Breq.	56	FIT
130	10090	150	Jaya.	Isarapu Erakamma	Poll. Breq.	55	FIT
131	10079	58	Jaya.	Gedela Jayamma	Poll. Breq.	53	FIT
132	10107	28	Jaya.	Chekala Gowramma	Poll. Breq.	56	FIT
133	10103	No 27	Jaya.	Vandrasi Narayana Rao	Coal Screening	35	FIT
134	10129	144	Jaya.	E.Sanyasi Rao	Coal Screening	46	FIT
135	10026	117	Jaya.	Datti Mahesh	Coal Screening	45	FIT
136	10089	81	Jaya.	V.Satyanarayana	Crusher	50	FIT
137	10005	148	Jaya.	Marri Laxmu	Crusher	50	FIT
138	10078	149	Jaya.	Godidesi Srinu	Crusher	42	FIT
139	10038	57	Jaya.	G. Simhachalamma	House Keep.	55	FIT
140	10037	70	Jaya.	Bankuru Rama	House Keep.	40	FIT
141	10074	56	Jaya.	Sunkari Saraswathi	House Keep.	43	FIT
142	10113	No 27	Jaya.	M.Murali	Helper (QC)	35	FIT
143	10003	151	Jaya.	M.Chakradhara Rao (Sankar)	Helper (QC)	36	FIT
144	10002	125	Jaya.	Vandrasi Shiva	Store	28	FIT
145	10112	No 27	Jaya.	Singamsetti Ganesh	Automobile	40	FIT


S.No	E-Code	Reg.No.	A/C.	Name	Designation	Age	FIT
146	10007	No 27	Jaya.	Allu Satyam	Bin Feeding	47	FIT
147	10001	134	Jaya.	V.Rama Krishna	Metal Breaker	30	FIT
148	10006	No 27	Jaya.	Vandrasi Krishna	Metal Breaker	56	FIT
149	10015	80	Jaya.	Kolli Krishna	Metal Breaker	54	FIT
150	10014	92	Jaya.	Pappala Rama Rao	Metal Breaker	45	FIT
151	10008	No 27	Jaya.	Gedela Srinu	Metal Breaker	47	FIT
152	10010	No 27	Jaya.	Nalla Sri Ramulu	Metal Breaker	50	FIT
153	10019	No 27	Jaya.	Chikala Srinu	Metal Breaker	47	FIT
154	10088	No 27	Jaya.	Vandrasi Upendra	Metal Breaker	40	FIT
155	10102	No 27	Jaya.	Vandrasi Adinarayana (Vasanti)	Metal Breaker	35	FIT
156	10115		Jaya.	V.Venkata Ramana	Metal Breaker	33	FIT
157	10114	79	Jaya.	Dalayi Krishna	Metal Breaker	50	FIT
158	10063	No 27	Jaya.	Padala Vemkataramana	Metal Breaker	32	FIT
159	10056	133	Jaya.	Vandrasi Bhagya Raj	Metal Breaker	32	FIT
160	10082	113	Jaya.	Pilla Satyanarayana	Metal Breaker	34	FIT
161	10025	No 27	Jaya.	Pattikayala Appadu	Metal Breaker	57	FIT
162	10087	78	Jaya.	Vandrasi Prasad	Metal Breaker	29	FIT
163	10057	No 27	Jaya.	Kenguva Ramesh	Metal Breaker	30	FIT
164	10043	26	Jaya.	Tiyyala Bangaramma	Metal Breaker	35	FIT
165	10040	No 27	Jaya.	Regana Chinnammi	Metal Breaker	50	FIT
166	10091	No 27	Jaya.	Regana Ramulamma	Metal Breaker	57	FIT
167	10049	No 27	Jaya.	Yasarla Rama Laxmi	Metal Breaker	32	FIT
168	10065	38	Jaya.	Chekala Radha	Metal Breaker	43	FIT
169	10068		Jaya.	Kolli Ramanamma	Metal Breaker	50	FIT
170	10069	No 27	Jaya.	Gedela Mangamma	Metal Breaker	48	FIT
171	10044	No 27	Jaya.	Challa Rajeswari	Metal Breaker	48	FIT
172	10067	23	Jaya.	Allu Padma	Metal Breaker	42	FIT
173	10066		Jaya.	Gedela Rama Laxmi	Metal Breaker	42	FIT
174	10041	51	Jaya.	Pappala Radha	Metal Breaker	38	FIT
175	10048	27	Jaya.	Gedela Laxmi	Metal Breaker	45	FIT

IESL/Medical Examination/2022

5/8/2023
Pushpa Kanti Pal
 Dr. Pushpa Kanti Pal, MS, Reg.No.12273 (OMC)
 Obstetrician & Gynaecologist,
 Philadelphia Community Hospital,
 SALUR - 535 591, VZM Dist., AP



	E. Code	Reg.No.	A/C.	Name	Designation	Age	Fit/Unfit
	10045	20	Jaya.	Chikala Padma	Metal Breaker	35	FIT
	10070	21	Jaya.	Tiyyala Seetha	Metal Breaker	36	FIT
178	10071		Jaya.	Vandrasi Indrawathi	Metal Breaker	48	FIT
179	10072	No 27	Jaya.	Bogadi Aadilakshmi	Metal Breaker	48	FIT
180	10042	52	Jaya.	Tanna Aruna	Metal Breaker	31	FIT
181	10059	24	Jaya.	Meesala Laxmi	Metal Breaker	42	FIT
182	10092	22	Jaya.	Meesala Pushpa	Metal Breaker	35	FIT
183	10094		Jaya.	Vandrasi Gourieswari	Metal Breaker	35	FIT
184	10046	25	Jaya.	Bonu Rama Laxmi	Poll. Breq.	42	FIT
185	10135		Jaya.	S.K.Madeena	Forklift Operator	42	FIT
186	10118	115	Jaya.	K.Shiva	Welder	25	FIT
187	10117	112	Jaya.	R.Tulasi Prasad	Helper	26	FIT
188	10122	7	Jaya.	V.Appa Rao	Helper	53	FIT
189	10126		Jaya.	B.Thoudu	Helper	50	FIT
190	10120		Jaya.	B.Venkata Rao	Welder	47	FIT
191	10131	119	Jaya.	Madhasi Venkata Ramana	Turner	42	FIT
192	10123	118	Jaya.	A.Tirupathi Rao	RMHS	40	FIT
193	10119	74	Jaya.	L.Nagabhushan	JCB Operator	40	FIT
194	10128	No 27	Jaya.	B.Nagaraju	JCB Operator	38	FIT
195	10141	45	Jaya.	B Swamy Naidu	JCB Operator	49	FIT
196	10134	50	Jaya.	B.Vassudeva Rao	JCB Operator	45	FIT
197	10133		Jaya.	Gajindra Pradhan	JCB Operator	47	FIT
198	10127	49	Jaya.	S.Ramu	Car Driver	28	FIT
199	10125	95	Jaya.	B.Bangarayya	ELECT	30	FIT
200	10130	135	Jaya.	Potta Mahesh	Office Boy	21	FIT
201	10132	11	Jaya.	P Srinivasa Rao	Gardner	39	FIT
202	10150	48	Jaya.	G Naveen Kumar	Driver	29	FIT
203	10151	100	Jaya.	S Ramakrishna	Driver	24	FIT


Pushpa Karthi Pal
 Dr. Pushpa Karthi Pal, MS., Reg.No.12273 [OMC]
 Obstetrician & Gynaecologist,
 Philadelphia Community Hospital,
 SALUR - 535 591, VZM Dist., AP

L/Medical Examination/2022



Format No. : UES/FORM09



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

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

Name & Address Of The Customer.		REPORT NO.	UES/TR/22-23/04372
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/N/010264-010266
		DATE OF REPORT	19/10/2022
		DATE OF SAMPLING	13/10/2022 to 14/10/2022
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT

LOCATION	UNIT	RESULT 17.10.2022	MAXIMUM EXPOSURE DURATION PER DAY 8 HRS. LIMIT
Near Control Room	dB(A)	83.4	85 dB (Max)
Near Furnace Area	dB(A)	78.8	
Near Metal Handling Area	dB(A)	66.2	

REMARKS: RESULTS ARE AS ABOVE**Terms & conditions**

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

 13/10/2022 REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS 13/10/2022 AUTHORIZED SIGNATORY
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End of the test report





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/04398
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/N/010292-010294
		DATE OF REPORT	21/11/2022
		DATE OF SAMPLING	15/11/2022 to 16/11/2022
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	7200004005/V104, DATED:16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT			
LOCATION	UNIT	RESULT 17.10.2022	MAXIMUM EXPOSURE DURATION PER DAY 8 HRS. LIMIT
Near Control Room	dB(A)	82.2	85dB (Max)
Near Furnace Area	dB(A)	74.2	
Near Metal Handling Area	dB(A)	62.6	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of 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.

 21/11/2022 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report





Ultimate
ENVIROLYTICAL SOLUTIONS

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/05419
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/N/012143-012145
		DATE OF REPORT	19/12/2022
		DATE OF SAMPLING	13/12/2022 to 14/12/2022
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT			
LOCATION	UNIT	RESULT	MAXIMUM EXPOSURE DURATION PER DAY & HRS. LIMIT
Near Control Room	dB(A)	83.9	85 dB (Max)
Near Furnace Area	dB(A)	79.0	
Near Metal Handling Area	dB(A)	67.4	

REMARKS: RESULTS ARE AS ABOVE

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

 13/12/2022 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/06848
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/N/D14446-014448
		DATE OF REPORT	20/01/2023
		DATE OF SAMPLING	13/01/2023 to 14/01/2023
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	#280004065/U104, DATED 16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT			
LOCATION	UNIT	RESULT	MAXIMUM EXPOSURE DURATION PER DAY & HRS. LIMIT
Near Control Room	dB(A)	82.0	85 dB (Max)
Near Furnace Area	dB(A)	79.2	
Near Metal Handling Area	dB(A)	68.1	

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.

 20/01/23 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report





Ultimate
ENVIROLYTICAL SOLUTIONS

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07983
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/N/0115927-01515929
		DATE OF REPORT	20/02/2023
		DATE OF SAMPLING	16/02/2023 to 20/02/2023
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT			
LOCATION	UNIT	RESULT	MAXIMUM EXPOSURE DURATION PER DAY & HRS. LIMIT
Near Control Room	dB(A)	82.6	85dB (Max)
Near Furnace Area	dB(A)	80.3	
Near Metal Handling Area	dB(A)	69.4	

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.

 20/02/23 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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End of the test report

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY





Ultimate
ENVIROLYTICAL SOLUTIONS

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/08171
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/N/016346-016348
		DATE OF REPORT	18/03/2023
		DATE OF SAMPLING	13/03/2023 to 14/03/2023
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	7200004005/U104, DATED:16.06.2022		
Sampling Location	1. Near Control Room 2. Near Furnace Area 3. Near Metal Handling Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT			
LOCATION	UNIT	RESULT	MAXIMUM EXPOSURE DURATION PER DAY 8 HRS. LIMIT
Near Control Room	dB(A)	82.0	85dB (Max)
Near Furnace Area	dB(A)	80.5	
Near Metal Handling Area	dB(A)	69.8	

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.

 18/03/23 REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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-----End of the test report-----

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



HIRA

HIRA ELECTRO SMELTERS

Ref: HESL/LTR/22-23/0061

Dated-16.11.2022

To,
The Joint Director,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office,
Green House, Gopalareddy Road
Vijayawada, Andhra Pradesh - 520010.

Sub: Submission of half yearly compliance report of the conditions stipulated in environmental Clearance and subsequent amendments for the period of April'22 to September'22-Reg.

Ref: 1. EC accorded vide F. No. J-11011/11039/2007-IA (II) Dated: 28.02.2008
2. EC amended vide F. No. J-11011/1039/
3. EC amended vide F. No. J-11011/1039/

Respected Sir,

Please find enclosed herewith half yearly comp Environmental Clearance and subsequent ar September'2022 in respect of Hira Electro smelter Ltd.), plot No. 364-367, APIIC growth Center, Bobli

We hope you will find the above Half Yearly Envi your satisfaction. Your valuable guidance further ir

Kindly acknowledge the receipt of the same.

Yours faithfully,

For, HIRA ELECTRO SMELTERS LIMITED



Authorized Signatory

Encl: As Above

Copy to:

1. The Director, Zonal Office CPCB, 1st&2nd Flr Main Road, 7th D Cross, Shiva Nagar, Beng
2. The Member Secretary, Andhra Pradesh F Near Sunrise Hospital, Pushpa Hotel C Vijayawada -520 010
3. The Environment Engineer, A. P. Pollution C Nagar, Thotapalem. Vizianagaram- 535002

Hira Electro Smel
(Formerly known as RVR Sme
CIN : U27109AP2907PL

Registered Office :Plot No. 364-367, APIIC Growth Center, Bobli

P : 08944 247009, F : 08944 247008,

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

P : 0771 4082500, 4082600, F : 0771 4082

www.hpstindia.com, www.t

ENCL373741101 INR:697810
SF: BOBBILI H.O. (535550)
Comdr Post, 18/11/2022, 10:14
To: THE MEMBER SECRETARY POLLUTION CON
FIR:520010, Vizianagaram S.O
From: HIRA ELECTRO, APTE BOBBILI
M:3500pm
Add: P.O. (C) Bobbili, 18/11/2022
(Track on www.indiaquest.gov.in)
Dist: 1807/2022-23-24 Near House, Star Safe

ENCL373741101 INR:697810
SF: BOBBILI H.O. (535550)
Comdr Post, 18/11/2022, 10:14
To: THE DIRECTOR, ZONAL OFFICE
FIR:520010, Vizianagaram S.O
From: HIRA ELECTRO, APTE BOBBILI
M:3500pm
Add: P.O. (C) Bobbili, 18/11/2022
(Track on www.indiaquest.gov.in)
Dist: 1807/2022-23-24 Near House, Star Safe

ENCL373741101 INR:697810
SF: BOBBILI H.O. (535550)
Comdr Post, 18/11/2022, 10:14
To: THE DIRECTOR, ZONAL OFFICE
FIR:520010, Vizianagaram S.O
From: HIRA ELECTRO, APTE BOBBILI
M:3500pm
Add: P.O. (C) Bobbili, 18/11/2022
(Track on www.indiaquest.gov.in)
Dist: 1807/2022-23-24 Near House, Star Safe

ENCL373741101 INR:697810
SF: BOBBILI H.O. (535550)
Comdr Post, 18/11/2022, 10:14
To: THE DIRECTOR, ZONAL OFFICE
FIR:520010, Vizianagaram S.O
From: HIRA ELECTRO, APTE BOBBILI
M:3500pm
Add: P.O. (C) Bobbili, 18/11/2022
(Track on www.indiaquest.gov.in)



CSR Expenses from Oct-2022 to Mar-2023

Plant	Material Desc	Mat. Doc No.	PCUn	CHALLAN QTY	Amt. in LC	PO	Vendor Name	Delivery Note/Material slip	Cost Center desc
U104	CIVIL WORK CONTRACT	5000304377	PC	0.052	22,663.00	7200003729	PAKKI RAVI SANKAR RAO	HESL/22-23/81	For Constructors of Community hall at ITI Colony
U104	CIVIL WORK CONTRACT	5000303320	PC	0.128	66,615.40	7200003729	PAKKI RAVI SANKAR RAO	HESL/22-23/79	For Constructors of Community hall at ITI Colony
U104	CIVIL WORK CONTRACT	5000295110	PC	1.000	15,509.00	7200004409	MAHAMMAD ISMAIL	01	Fixing of Tiles at Community Hall , ITI Colony
					104,787.40				

