D. No. 50-96-4/1, Floor II & III Srigowri Nilayam, Seethammadhara NE Visakhapatnam -530013

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SMAL/IRO-MoEF&CC/HCR/2023

Date: 04.11.2023

To

The Joint Director (S),
MoEF & CC,
Government of India,
Integrated Regional Office, Green House,
Gopala Reddy Road, Vijayawada-520010,
Andhra Pradesh.

Dear Sir,

Sub: Submission of Half yearly EC Compliance report for the period of April'2023 to September'2023 Reg.

Ref: F. No. J-11011/164/2009-IA.II(I), Dated: 27th May, 2022.

With reference to the above subject, we M/s Sarda Metals & Alloys Limited, located at APIIC Industrial area, Kantakapalli Village, Kothavalasa Mandal, Vizianagaram Dist, Andhra Pradesh State, Pin Code-535240., are herewith submitting the Half yearly Environmental Clearance compliance report for the period of April'2023 to September'2023 to your good office.

This is for your kind information and records. Please acknowledge same.

Your's sincerely For Sarda Metals & Alloys Limited.

V. Surya Bhaskaram AGM - EHS

Authorised Signatory

Encl: Half Yearly EC Compliance report.

Half Yearly Environment Clearance Compliance Report

01st April'2023 to 30th September'2023



M/s. SARDA METALS & ALLOYS LTD., APIIC, INDUSTRIAL AREA KANTAKAPALLI (V), KOTHAVALASA (M), VIZIANAGARAM DISTRICT



Status of Environmental Clearances received from MOEF vide MoEF No. F. No. J-11011/164/2009-IA.II (I), Dated 27.05.2022.

i. Compliance report is enclosed herewith for all the conditions stipulated by MoEF & CC.

S	1. Compliance report is enclosed herewith for all the conditions stipulated by MoEF & CC.						
No	Condition	Compliance					
	A. Specific Conditions						
i	Three-tier Green Belt shall be developed in 33% of the total project area by August' 2022 with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. The survival rate of the green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to the concerned Regional Office of the MoEF&CC.	93.23 acres as per MoEF& guidelines.17000 trees were planted in plant. As advised by the committee, SM will undertake the planting of additional trees to comply with the norm of 2500 truer Hectare. The details are given below: Area of Greenbelt 93.23 Acres/37.72 Ha.					
ii	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from the exposed soil surface.	Noted for compliance and being followed.					
iii	Following additional arrangements to control fugitive dust shall be provided. a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.	Noted. Fog / Mist Sprinklers provided applicable areas at conveyors points and bulk raw material storage areas (at the					
	b. Proper covered vehicle shall be used while transport of materials.c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	attached as Annexure-2 . Complied. Image attached as Annexure-3 .					
iv	All internal roads and connecting roads from the project site to the main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to the existing and proposed project.	Noted and Being followed and Images ar attached as Annexure-4 .	ire				
V	Performance tests shall be conducted on all pollution control systems every year and a report shall be submitted to the Regional Office of the MoEF&CC.	certificates are annexed as Annexure-5 .					



vi	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	Complied. Continuous monitoring data is synchronized to APPCB & CPCB servers respectively. The data is uploading to APPCB server URL: http://aprtpms.ap.gov.in. & CPCB http://rtdms.cpcb.gov.in-status
vii	Submerged Arc Furnace shall be equipped with the fourth hole fume extraction system.	Noted and the Fume extraction system is provided as guided and Images are attached as Annexure-6 .
viii	100% slag generated from the process shall be utilized. Compliance status in this regard shall be submitted to the Regional Office of the MoEF&CC.	Noted and slag being disposed as guided by APPCB. compliance status being submitted to R.O, MoEF & CC.
ix	PP shall do 3-tier green belt along the perimeter boundary of the project, surrounding coal dumping and raw material yard, besides block plantation within the project area.	Noted and industry started developing green belt as guided. Completion will be done in phased manner and Images are attached as Annexure-7.
X	PP shall improve the Housekeeping of the project premises with best standards.	SMAL continuously strives to maintain housekeeping by using 5S and TPM practices which are internationally followed.
xi	10 numbers of truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere and the black dust on the nearby Mango orchards of the villagers.	10 numbers of truck-mounted Fog/Mist water cannons will be provided in phase-wise and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere and the black dust on the nearby Mango orchards of the villagers. Phase-1:1Nos, Phase-2:2 Nos, Phase-3:7Nos
xii	Mechanical road sweeping shall be done in the surrounding villages also periodically.	Noted for compliance and being followed. Earlier industry is using three manual machines of three numbers which were ineffective. Industry purchased One high capacity jumbo sweeping machine for road sweeping and Images are attached as Annexure-8.
xiii	Project proponent shall follow safeguards to control the exposure of silica dust and some formaldehyde exposures arising out during production of mineral fibers. Compliance status in this regard, shall be submitted to concern Regional Office of the MoEF&CC.	Not applicable at this stage as Industry still has not established mineral fiber plant.



General Conditions

I. Stat	utory compliance:	
S No	Condition	Compliance
	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., Required to be obtained or standards/conditions to be followed under any other Acts / Rules / Subordinate legislation, etc., as may be applicable to the project.	Noted for compliance.
II Air	quality monitoring and preservation	
S No	Condition	Compliance
i	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specifications through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. The project proponent shall monitor fugitive emissions in the plant premises at least ones in	Noted for compliance. SMAL has been provided online stack monitoring system and CAAQM systems for existing plants. The same will be implemented for the proposed project. Periodic Calibration of the same will be carried out as per the condition. OCEMS data is synchronized to APPCB & CPCB servers respectively. The data is uploading to APPCB server URL: http://aprtpms.ap.gov.in. & CPCB http://rtdms.cpcb.gov.in-status
	emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	laboratory reports are attached as Annexure-9.
iii	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Noted for compliance. SMAL has provided Bag house at FAD and ESP at the power plant. Dust extraction systems have been provided at transverse points and dust suppression systems at conveyors. Same systems will be implemented for proposed expansion. Few existing images are annexed as Annexure-10.
iv	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Noted for compliance. Differential pressure system being implemented for the existing plant. Same systems will be implemented for proposed plants.



vi	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting / agglomeration. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	such other fines collected in the pollution control devices and vacuum cleaning devices are being reused in the process after briquetting. Noted and all the vehicles are covered during transportation of coal and other material and for your reference image attached in Annexure-2 Noted and provided primary and secondary fume extraction system at all melting furnaces. Same will be followed during expansion.		
viii	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Noted and provided in the applicable areas for your reference attached in Annexure-11.		
III	Water quality monitoring and preservation	G W		
S No	Condition The project proponent shall install 24x7	Compliance Complied. Continuous effluent monitoring		
	continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	data is synchronized to APPCB & CPCB servers respectively. The data is uploading to APPCB server URL: http://aprtpms.ap.gov.in. & CPCB http://rtdms.cpcb.gov.in-status		
ii	The project proponent shall monitor regularly groundwater quality at least twice a year (pre-and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories	Noted for compliance SMAL has installed Piezometer. Photograph of Piezometer is annexed as Annexure-12. Groundwater is being tested once in a quarter. Accordingly manual monitoring with NABL accredited laboratory M/s. S.V. Enviro Labs and we care under the specified limits.		
iii	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards	Noted. Sewage treatment plants provide to treat the domestic waste water in our plant premises. Photographs of STP annexed as Annexure-13.		
iv	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.	Noted and will be provided after installing rolling mills.		



V	Garland drains and collection pits shall be	Noted and provided garland drains at		
	provided for each stock pile to arrest the run-off	applicable areas. Images are attached as		
	in the event of heavy rains and to check the water	Annexure-14.		
	pollution due to surface run off.			
vi	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Complied. Image attached as Annexure-3 .		
IV	Noise monitoring and prevention			
	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied. Accordingly manual monitoring with NABL accredited laboratory M/s. S.V. Enviro Labs and we care under the specified limits and reports attached as Annexure-9 .		
V	Energy Conservation measures			
	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.			
VI	Waste management			
	i. Used refractories shall be recycled.	Noted and being followed		
	ii. Kitchen waste shall be composted or converted to biogas for further use.	Noted. Biogas system provided and kitchen waste being composted in the same. Generated bio-gas is being used in the kitchen for cooking image attached in Annexure-15.		
VII	Green Belt			
i	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	will submit the program for reduction of the same including carbon sequestration including plantation.		
ii	The project proponent shall submit a study report on the De-carbonization program, which balances, carbon sequestration activities and carbon capture, use and storage, and offsetting strategies. Further, the report shall also contain time-bound action plan to reduce the carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy, etc. All these activities / assessments should be measurable and monitor able with defined time frames.	Noted. The De-carbonization program activities study report will be submit before 31.12.2023.		



VIII	Public hearing and Human health issues	
i	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted and HIRA and DMP will be submitted during the project phase.
ii	The project proponent shall carry out heat stress analysis for the workmen who work in the high-temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of the Factory Act.	Noted and an industrial hygiene survey was conducted to assess workplace exposure of workmen. Action was taken as per guidelines.
iii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Noted and being followed. Annual medical tests being carried out for the workers and reports attached in Annexure-16 .
IX	Environment Management	
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt Kantakapalli, Katakapalli, Kotturu, Patta Sunkarapalem, Kotha Sunkarapalem, Gollapeta, Chinnaraopalli, Baligattam, Chiinipalem, Sambayyapalem, Appannapalem and Nimmalapalem villages based on the socioeconomic survey and undertake community development activities in consultation with the village Panchayat and the District Administration as committed.	undertake community development activities in consultation with the village Panchayat and the District Administration in phase-wise.
ii	The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violations of the environmental / forest / wildlife norms / Conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.	The Approved Environmental Policy and IMS (Integrated Management System) certificates are annexed as Annexure-17 .
iii	A separate Environmental Cell both at the project and company headquarter level, with qualified personnel shall be set up under the control of a senior Executive, who will directly to the head of the organization.	and AM - Environment. AGM-EHS directly reports to the Head of



X	Miscellaneous	
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local news papers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.	Noted. Industry made public the environmental clearance granted in two local newspapers of the District of which one is in the vernacular language and for your reference attached in Annexure-18 .
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Noted. The copies of the environmental clearance are submitted to the Heads of local bodies, Panchayats, and Municipal Bodies in addition to the relevant offices of the Government.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted and being followed.
iv	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted and provided display board at the main gate. Images are attached as Annexure-19.
V	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted and being followed as per the condition.
vi	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Noted. Will be followed as per condition. The Acknowledgement copies are attached as Annexure-20 .
Vii	The project proponent 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, commencing the land development work and start of production operation by the project.	Noted and will be followed as per the condition.



viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during	Noted as SMAL will abide by the condition as committed.
	Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and will ensure the same.
Х	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and SMAL will implement applicable conditions in time-bound manner during the project phase.
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted
xiv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.



CSR EXPENDITURE

S. No	CSR Initiative	EXPENDITURE
1	Education	37,77,837
2	Sustainable Livelihood	2,30,000
3	Environmental	21,60,000
4	Infrastructure Development	76,18,285
5	Health	24,16,258
6	Art, Culture and Sports	9,42,727
7	Disaster Management	13,32,142
8	Charity & Donation	9,84,000
	Total	1,94,61,249

<u>DETAILS OF PRODUCTION AND CONSUMPTION</u>

Ferro Alloy Division-Raw material Consumption & Production Details							
	Raw Material Consumption-MT						Product-Tons
Month & Year	Mn Ore	RB3 & RB2-Coal	Nut Coke	Quartz	Dolomite	Mill Scale	Ferro Alloys
Apr-23	23169.20	5430	2212	2225	0	0	9606
May-23	24911.02	5798	2341	1370	0	0	9308
Jun-23	24396	5397	3673	639	0	0	10804
Jul-23	24228	6042	2846	4594	272	0	10321
Aug-23	27826	5820	2616	0	134	0	9978
Sep-23	24396	6381	2474	410	40	0	9904
Total	148926.22	34868	16162	9238	446	0	59921

Captive Power Plant-Raw Material Consumption and Production Details.

Month & Year	Coal Consumption (MT)	Production Electricity (MWH)
Apr-23	38443.87	51943
May-23	36758.43	48886
Jun-23	40095.25	55622
Jul-23	38814.88	52623
Aug-23	39539.22	54752
Sep-23	39933.14	52501
Total	233584.79	316327



Non Hazardous Waste Generation Details						
Month & Year	Solid Waste from Pollut Equipments / Facility Gas (RABH (Bi Product To	Cleaning Plant -	Solid Waste from Process (Waste Tons)			
	Si Mn (GCP Dust)	Fe Mn GCP Dust	Si Mn Slag	MnO Slag		
Apr-23	331	0	9843	0		
May-23	410	0	9545	0		
Jun-23	430	0	11048	0		
Jul-23	319.26	119.91	8256.9	3343		
Aug-23	212.67	172.95	5906.51	4653		
Sep-23	294	197	6601	4252		
Total	al 1996.93 489.86		51200.41	12248		

Captive Power Plant Solid Waste Generation Details (MT)

Month & Year	Fly Ash Generation (MT)	Fly Ash Sold (MT)	Bottom Ash Generation (MT)	Bottom Ash Sold (MT)
Apr-23	8280.00	8283.28	160	155.48
May-23	7125.00	7162.56	47	6.46
Jun-23	6745.00	6786.3	46	0
Jul-23	6738.00	6755.68	38	15.89
Aug-23	7838.00	7836.71	151	150.05
Sep-23	9490.00	9488.42	233	228.68
Total	46216	46312.95	675	556.56

	Ferro Alloy Division and Captive Power Plant							
	Process/ Industrial Cooling Water Consumption (in M³) Details							
Month & Year	Cooling Tower Makeup	Softener Regeneration	Slag & Process Water	Boiler Feed	Domestic			
Apr-23	21508	400	5864	1517	240			
May-23	21529	440	5948	1879	252			
Jun-23	22805	440	5612	1238	243			
Jul-23	22805	440	5458	1238	243			
Aug-23	24314	560	5685	1650	260			
Sep-23	19864	400	5864	1708	298			
Total	132825	2680	34431	9230	1536			

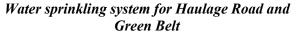


ANNEXURE-1 WATER SPRINKLER SYSTEM

High Pressure Water Sprinkling System



Inbuilt water sprinkler system for stacker at coal handling plant





Water Sprinkling System & Haulage Road Dust Suppression







ANNEXURE-2

MATERIAL TRANSPORTATION COVERED WITH TOURPALIN







ANNEXURE-3

Tyre Washing Facility at Main Gate





ANNEXURE-4

BITUMEN ROAD INSIDE PLANT

Project Office to Main Gate road



Plant inside Connectivity Junction



Project Office to Stores

Sores to Main gate







ANNEXURE-5 OCEMS CALIBRATION CERTIFICATES

VASTHI INSTRUMENTS PRIVATE LIMITED

IT'S ALL ABOUT SAFETY

Plot No. 21 & 22, Phase IV, Auto Nagar, Guntur - 522002. info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

CALIBRATION REPORT

Calibration Date: 10.07.2023

Next Calibration Due: 09.01.2024

CUSTOMER:

M/s Sarda Metals & Alloys Ltd Vizag Common Purchasing Plant, APPIIC, Industrial Park , Kantaka Palli Kothavalasa-535240, Vizanagaram ,India Po.No: 6000029145 Dt.: 24.06.2021

Instrument Type: Stack Opacity Meter Range :SO2: 0 -2000PPM, NOx:0-1000PPM,CO:0-2000PPM

Instrument model

; PSGM-1-D-AGS(M)

Instrument Make Instrument location Instruments Serial No Voltage Rating

Power Plant : 1706020 : 230V AC, 50Hz

; Prima

Functional Tests

Calibration Gas Range : CO: 796PPM, SO2:990 PPM, Nox:967PPM,

1. Nitrogen - 99.99 % Gas Fed

Gases	Concentration value on display	Before Calibration	After Calibration	Difference mg/m ³	% Error
502	0000	0000	0000	0000	000
NOx	0000	0000	0000	0000	.000
CO	0000	0000	0000	0000	000

2. CO - 796PPM Gas Fed

Gases used	Concentration value	Before Calibration	After Calibration	Difference mg/m³	% Error
CO	796	795	796	0001	0.1%
502		0000	0000	0000	000
NOx		0000	0000	0000	000

3. SO2-990 PPM Gas Fed

Gases used	Concentration value	Before Calibration	After Calibration	Difference PPM	% Error
502	990 PPM	995 PPM	993 PPM	2	0.2%
NOx	****	0000	0000	0000	000
CO		0000	0000	0000	000

4. NOx- 967 PPM Gas Fed

Gases used	Concentration value	Before Calibration	After Calibration	Difference PPM	% Error
NOx	967 PPM	966 PPM	967 PPM	1	0.1%
SO2	-	0000	0000	0000	000
CO		0000	0000	0000	000

Checked By

P. Swansoopa P.Swaroopa



Tested By

Y. Nandin

Y.Nandini



VASTHI INSTRUMENTS PRIVATE LIMITED

IT'S ALL ABOUT SAFETY

Plot No. 21 & 22, Phase IV, Auto Nagar, Guntur - 522002. info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

CALIBRATION REPORT

Calibration Date: 10.07.2023 Next Calibration Due : 09.01.2024

CUSTOMER:

M/s Sarda Metals & Alloys Pvt Ltd Vizag Common Purchasing Plant, APPIIC,Industrial Park, Kantaka Palli ,Kothavalasa-535240, Vizanagaram,India Po.No: 6000029146 Dt.: 24.06.2021

Instrument.Location: Fad Stack

Make: Land ,UK Model:4200

Instruments Serial No : C42-13020

Test Items	Technical Requirements	Test Results
Appearance and Structure	Accessories Complete; Glass Clean; No Scratch on Surface	Passed
Zero Drift	± 2%F.S/24h	1.2%
Span Drift	± 2%F.S/24h	1.1%
Relativity	R≥0.85	1.3
Half width of the confidence interval	Half width of the confidence interval ≤ 10%	6%
Half width of the allowed interval	Half width of the allowed interval ≤ 25%	18%
Accuracy	When $> 200 \text{mg/m}^3$, relative error $\leq \pm 15\%$	10%

Testd By

P. Swaroopa

STRUMENTO PLANT OF PL

Checked By

Y. Mandini



VASTHI INSTRUMENTS PRIVATE LIMITED

IT'S ALL ABOUT SAFETY

Plot No. 21 & 22, Phase IV, Auto Nagar, Guntur - 522002. info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

CALIBRATION REPORT

Calibration Date: 10.07.2023 Next Calibration Due : 09.01.2024

CUSTOMER:

M/s Sarda Metals & Alloys Pvt .Ltd Vizag Common Purchasing Plant, APPIIC,Industrial Park,Kantaka Palli, Kothavalasa-535240, Vizanagaram, India. Po.No: 6000029145 Dt.: 24.06.2021

Instrument Type: Stack Opacity Monitor

Instrument Location: Power Plant

Make: Land ,UK

Model: Land 4500MK111

Instruments Serial No : 183415-14

Instruments Serial No	183415-14	
Test Items	Technical Requirements	Test Results
Appearance and Structure	Accessories Complete; Glass Clean; No Scratch on Surface	Passed
Zero Drift	± 2%F.S/24h	1.2%
Span Drift	± 2%FS/24h	1.1%
Relativity	R≥0.85	1.3
Half width of the confidence interval	Half width of the confidence interval ≤ 10%	6%
Half width of the allowed interval	Half width of the allowed interval ≤ 25%	18%
Accuracy	When > 200 mg/m³, relative error $\leq \pm 15\%$	10%

Testd By

P. Swaroopa

GUNTUR SZZ 002 PM

Checked By

Y.Nandini



VASTHI INSTRUMENTS PRIVATE LIMITED



Plot No. 21 & 22, 3st and 4th Floor Phase IV, Mangalagiri Road, Auto Nagar, Guntur-522002, info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

TEST & CALIBRATION REPORT

DATE OF CALIBRATION: 10.07.2023

NEXT CALIBRATION Due: 09.01.2024

M/s Sarda Metals & Alloys Ltd Vizag Common Purchasing Plant, APPIIC, Industrial Park , Kantaka Palli Kothavalasa-535240, Vizanagaram India

Order Date: 14.08.2021 Instrument Model No:V_Air-1000

P.O.No: 4400101416

Instrument Type: Air Quality Monitoring System Range: SO2:0-10 PPM, NOx :0-10 PPM, PM10 : 0-

0.6mg/m3 , PM2.5 : 0-0.6mg/m3.

Instrument Location Instruments Serial No

: Main Gate : V1202100257 Voltage Rating : 230V AC, 50Hz
Calibrator used : Model: Air -Q-rate
Standard gases Used : SO2: 5 PPM , NO∞: 10PPM.

1. N2-99.9% GAS FED:

Parameter	Concentration value on display	Before Calibration	After Calibration	Difference PPM	Error(%)
502	000	000	000	.000	.00
NOX	000	000	000	000	00

2. 502 -5 PPM GAS FED:

Stand Gas concentration	Measured before Calibration	Measured After Calibration	Difference	Error (%)
0 ppm	0 ppm	0 ppm	0 ppm	0.75
5 ppm	7 ppm	5.07 ppm	0.07 ppm	1.4%

3. NOX -10 PPM GAS FED:

Standard Gas concentration	Measured before Calibration	Measured After Calibration	Difference
0 ppm	0 ppm	0 ppm	0 ppm
8ppm	7.4 ppm	6 ppm	02 ppm

3 PM-10/2.5 Monitor: 0.6 mg/m3:

Parameter	Reference Value mg/m3	Gain Value mg/m3	OFF Set Value mg/m3	Calibrated Value mg/m3
PM10	0.5	0.42	1.12	0.6
PM2.5	0.5	0.42	9.268	0.54

Functionality: Tested ok

TESTED BY

P. Succional





VASTHI INSTRUMENTS PRIVATE LIMITED

IT'S ALL ABOUT SAFETY



Plot No. 21 & 22, 3st and 4th Floor Phase IV, Mangalagiri Road, Auto Nagar, Guntur - 522002, info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

TEST & CALIBRATION REPORT

DATE OF CALIBRATION: 10.07.2023

NEXT CALIBRATION Due: 09.01.2024

CUSTOMER:

M/s Sarda Metals & Alloys Ltd Vizag Common Purchasing Plant , APPIIC, Industrial Park , Kantaka Palli ,Kothavalasa-535240, Vizanagaram ,India P.O.No: 4400101416

Instrument Model No:V_Air-1000

Instrument Type: Air Quality Monitoring System Range: SO2: 0-10 PPM, NOx:0-10 PPM, PM10: 0-

0.6mg/m3 , PM2.5 : 0-0.6mg/m3.

Instrument Location Instruments Serial No Voltage Rating : DM Plant : V1202100258 : 230V AC, 50Hz

Calibrator used Standard gases Used : Model: Air -Q-rate :SO2: 5 PPM , NOx: 10PPM.

1. N2-99.9% GAS FED:

Parameter	Concentration value on display	Before Calibration	After Calibration	Difference PPM	Error(%)
502	000	000	000	.000	00
NOX	000	.000	000	000	00

2. SO2 -5 PPM GAS FED:

Stand Gas concentration	Measured before Calibration	Measured After Calibration	Difference	Error (%)
0 ppm	0 ppm	0 ppm	0 ppm	0 %
5 ppm	7 ppm	5.04 ppm	0.04 ppm	0.8 %

3. NOX -10 PPM GAS FED:

Standard Gas concentration	Measured before Calibration	Measured After Calibration	Difference	Error (%)
0 ppm	0 ppm	0 ppm	0 ppm	0.%
8ppm	7.4 ppm	8.02 ppm	0.02 ppm	0.25 %

3 PM-10/2.5 Monitor: 0.6 mg/m3:

Parameter	Reference Value mg/m3	Gain Value mg/m3	OFF Set Value mg/m3	Calibrated Value mg/m3
PM10	0.5	0.42	1.12	0.6
PM2.5	0.5	0.42	0.268	0.54

Functionality: Tested ok

TESTED BY

(P.Swaroopa)

GUNTUR OF THE COLOR

(D. Gormdanju)



VASTHI INSTRUMENTS PRIVATE LIMITED



Plot No. 21 & 22, 3rd and 4th Floor Phase IV, Mangalagiri Road, Auto Nagar, Guntur-522002, info@vasthi.com Tele No. 0863-2238 667, Fax No.0863-2262 667

TEST & CALIBRATION REPORT

DATE OF CALIBRATION: 10.07.2023

NEXT CALIBRATION Due: 09.01.2024

CUSTOMER:

M/s Sarda Metals & Alloys Ltd Vizag Common Purchasing Plant , APPIIC,Industrial Park ,Kantaka Palli ,Kothavalasa-535240, Vizanagaram ,India Order Date: 08.06.2021 Instrument Model No:V_ Air-1000

P.O.No: 4400100156

Instrument Type: Air Quality Monitoring System Range: SO2: 0-10 PPM, NOx: 0-10 PPM, PM10: 0-

0.6mg/m3 , PM2.5 : 0-0.6mg/m3.

Instrument Location

Instruments Serial No Voltage Rating Calibrator used Standard gases Used : VI202100234 : 230V AC, 50Hz : Model: Air -Q-rate

CHP

: Model: Air -Q-rate SO2: 5 PPM , NOx: 10PPM.

1. N2-99.9% GAS FED:

Parameter	Concentration value on display	Before Calibration	After Calibration	Difference PPM	% Error
502	000	000	000	000	.000
NOX	000	000	000	000	000

2. SO2 -5 PPM GAS FED:

Stand Gas concentration	Measured before Calibration	Measured After Calibration	Difference	Error (%)
0 ppm	0 ppm	0 ppm	0 ppm	0.%
5 ppm	7 ppm	5.09 ppm	0.09 ppm.	1.8 %

3. NOX -10 PPM GAS FED:

Standard Gas concentration	Measured before Calibration	Measured After Calibration	Difference	Error %	
0 ppm	0 ppm	0 ppm	0 ppm	0 %	
8ppm	7.4 ppm	8.06 ppm	0.06 ppm	0.75 %	

3 PM-10/2.5 Monitor: 0.6 mg/m3;

Parameter	Reference Value mg/m3	Gain Value mg/m3	OFF Set Value mg/m3	Calibrated Value mg/m3
PM10	0.5	0.42	1.12	0.6
PM2.5	0.5	0.42	0.268	0.54

Functionality: Tested ok

TESTED BY

(P.Swaroopa)



CHECKED BY
(D.Covindaraju)



ANNEXURE-6

FUMES EXTRACTION SYSTEM







ANNEXURE-7

3 TIRE GREENBELT DEVELOPMENT-PLANT INSIDE





ANNEXURE-8

SWEEPING MACHINES







ANNEXURE-9

THIRD PARTY MONITORING REPORTS



Ref: SVELC/SMAL/23-09/01 NAME AND ADDRESS M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasn-535240, Vizianagaram. SAMPLE PARTICULARS AMBIENT AIR QUALITY SOURCE OF COLLECTION NEAR SECURITY GATE 08-09-2023 @ 10:30hr

ATMOSPHERE CONDITION Clear Sky

DURATION OF SAMPLING

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter(Size<10μ) or PM ₁₀	μg/m³	68.1	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5µ) or PM _{2.5}	μg/m³	29.4	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO ₂	μg/m ³	14.9	80	IS:5182 (P-2) - West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m³	13.5	80	IS:5182(P-6) - Jacob & Hochheiser

CHECKED BY



SV ENVIRO LABS & CONSULTANTS



SV ENVIRO LABS & CONSULTANTS



Ref: SVELC/SMAL/23-09/02

NAME AND ADDRESS

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-55240, Vizianagaram.

SAMPLE PARTICULARS AMBIENT AIR QUALITY SOURCE OF COLLECTION NEAR ADMIN BUILDING DATE & TIME OF START 08-09-2023 @ 10:45hr DURATION OF SAMPLING

24 Hours ATMOSPHERE CONDITION Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter(Size<10μ) or PM ₁₀	μg/m ³	58.9	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5μ) or PM _{2.5}	μg/m³	25.2	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide - SO ₂	μg/m ³	13.7	80	IS:5182 (P-2) - Wes and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m³	12.4	80	IS:5182(P-6) - Jacob & Hochheiser Method





182 SV ENVIRO LABS & CONSULTANTS



SV ENVIRO LABS & CONSULTANTS



Ref: SVELC/SMAL/23-09/03

Date: 16-09-2023

NAME AND ADDRESS

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-535240, Viziangara-v

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR DM PLANT

DATE & TIME OF START

DURATION OF SAMPLING

08-09-2023 @ 11:00hr

ATMOSPHERE CONDITION

24 Hours

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter(Size<10µ) or PM ₁₀	μg/m³	56.4	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5µ) or PM _{2.5}	μg/m ³	24.7	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO ₂	μg/m³	12.2	80	IS:5182 (P-2) - West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m³	11.6	80	IS:5182(P-6) - Jacob & Hochheiser Method





10 SV ENVIRO LABS & CONSULTANTS



SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CUNSULTANTS IN FULLE TOO.

Mice & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar,
Ist No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.



Ref: SVELC/SMAL/23-09/04

NAME AND ADDRESS

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-535240, Vizianagaram.

SAMPLE PARTICULARS AMBIENT AIR QUALITY SOURCE OF COLLECTION NEAR FAD AREA DATE & TIME OF START 08-09-2023 @ 11:15hr

24 Hours ATMOSPHERE CONDITION Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter(Size<10μ) or PM ₁₀	μg/m³	61.3	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5μ) or PM _{2.5}	μg/m³	26.1	60	IS:5182 (P-24) Gravimetric
3,	Sulphur Dioxide – SO ₂	μg/m³	13.4	80	IS:5182 (P-2) - West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m³	11.8	80	IS:5182(P-6) - Jacob & Hochheiser Method





SV ENVIRO LABS & CONSULTANTS





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapathan Hyderabad: Flat No. 302, H.N. 7-3-968/H12, Sa Ram Residency, Balkimpel Road, S. Rhagar, Hyderabd: 49-19-440339628, +91-7207664444 (80 syenviro jabs@yahoc.coin, rlo@svenvirolabs.com & www.svenvirolabs.com & www.svenvirolabs.com & congrated by Govt. of India-MoEF & CC, New Delhi, Accredited by INABL & NABET







Ref: SVELC/SMAL/23-09/06

Date: 16-09-2023

NAME AND ADDRESS

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-535240, Vizianagaram.

SAMPLE PARTICULARS

STACK EMISSIONS

SOURCE OF COLLECTION

POWER PLANT CHIMNEY

DATE & TIME OF COLLECTION

08-09-2023 @ 12:45 hr

TEST REPORT

S.No	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	120
2.	Diameter of the Stack	m	6.69
3.	C/s Area of Stack	m ²	35.13
4.	Pitot Coefficient		0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	133
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	6.37
10.	Gas Quantity	m³/hr	805601
11.	Duration of Sampling	minutes	60

28.47	CCI	ION	DA	TENER

S.No	PARAMETER	UNIT	RESULT	PCB STANDARD
1.	Particulate Matter - PM	mg/Nm ³	17.2	50
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	187	600
3.	Oxides of Nitrogen - NOx	mg/Nm ³	112	300
4.	Mercury - Hg	mg/Nm ³	< 0.0056	-







Ref: SVELC/SMAL/23-09/05

NAME AND ADDRESS

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-535240,

Vizianagaram.

SAMPLE PARTICULARS

STACK EMISSIONS

SOURCE OF COLLECTION DATE & TIME OF COLLECTION Stack Attached to FAD

08-09-2023 @ 12:00 hr

S.No	DESCRIPTION	UNIT	RESULT
1,	Stack Height	m	65
2.	Diameter of the Stack	m	4.0
3.	C/s Area of Stack	m ²	12.56
4.	Pitot Coefficient		0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	170
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	7.08
10.	Gas Quantity	m³/hr	320129
11.	Duration of Sampling	minutes	45

S.No	PARAMETER	UNITS	RESULT	PCB
1.	Particulate Matter - PM	mg/Nm ³	25.2	50
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	34.8	
3.	Oxides of Nitrogen - NOx	mg/Nm ³	43.9	-
4.	Mercury – Hg	mg/Nm ³	< 0.0056	-









SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL) als Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnus als Fial No. 302, I No. 7-1-306/B172, Sai Ram Residency, Balkampet Road, S.R. Nagar, Hyderi 400330202, 1917-201666444 dis sensiva libslighnios co. n. Hoffgewirefalbs com @ weezeen Recognized by Govt. of India/Hoffe? & CC, New Delhi, Accredited by "NaBL & NABEL"



Ref: SVELC/SMA1/23-09/07

M/s. SARDA METALS AND ALLOYS LTD., VIZAG COMMON PURCHASING PLANT, APIIC, Industrial Park, Kantakapalli, Kothavalasa-535240, Vizianagaram.

SAMPLE PARTICULARS DATE OF COLLECTION

NOISE LEVEL

TEST REPORT

S.No	SOURCE OF COLLECTION	Noise leve	Method		
		DAY	NIGHT	- Action	
1.	Near Security Gate	69.5	63.7		
2.	Near RO Plant	62.1	56.9	IS:4954 - 1968	
3.	Near Admin Building	60.9	54.3	Noise Level Meter	
CPCB STANDARDS		75.0	70.0		
BY-4	D. J. L. W.		11,000		





ANNEXURE-10

FAD-DUST EXTRACTION SYSTEM



Dry Bottom Ash Handling System-1*80 MW Captive Power Plant

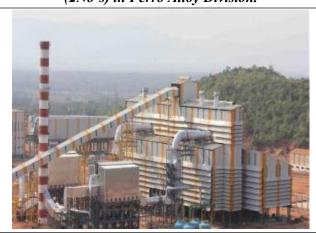
Covered Conveyor Belt at Captive Power plant



Stack attached to RABH-Reverse Air Bag House (2No's) in Ferro Alloy Division.



Product is loading in the closed containers







ANNEXURE-11

TUNNEL VENTILATION SYSTEM AT PP GROUND HOPPER





ANNEXURE-12 OPEN BORE WELL - PIEZOMETER





ANNEXURE-13

STP (Waste water treatment facilities)

RMHS AREA STP



STP at Finished Goods yard



Automatic Compressor System







Digital flow meter for outlet water





ANNEXURE-14

GARLAD DRAINS





ANNEXURE-15

BIO GAS PLANT AT MAIN CANTEEN





ANNEXURE-16

ANNUAL MEDICAL CHECK UP

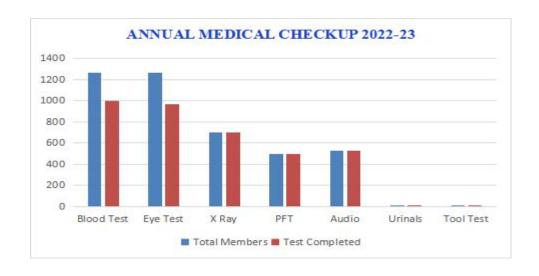






PFT Test

ANNUAL MEDICAL CHECKUP 2022-23							
	Blood Test	Eye Test	X Ray	PFT	Audio	Urinals	Tool Test
Total Members	1264	1264	699	496	528	8	8
Test Completed	999	968	699	496	528	8	8





ANNEXURE-17

QUALITY, ENVIRONMENT, HEALTH & SAFETY (QEHS) POLICY

We at Sarda Metals & Alloys Ltd. (SMAL) intend to be a QEHS Industry Leader across all our Business activities, through Continual Improvement in Environment Protection and Conservation, Health & Safety Standards and Quality Systems, and thereby exceed Customer satisfaction

We Strive to:

- Conduct our business sustainably through adoption of world-class, environmental friendly and energy efficient technologies
- Assess, manage and reduce Environmental impact and deal proactively with climate change by efficient use of natural resources and promoting waste avoidance, reuse & recycling measures
- Promote a positive Health and Safety culture within the Organization through effective communication, participation and consultation with Employees, Workers and Business partners
- Identify, monitor and review occupational health and safety hazards and proactively mitigate the risks by adhering to best Health and Safety practices
- Deliver high quality products and services which exceed customer expectations while creating value for all our stake holders
- Adopt innovation in all our business process thinking to constantly improve our quality management system
- Comply with all applicable and prevalent statutory, regulatory and legal requirements and exceed wherever possible
- Facilitate awareness, skill up gradation, knowledge enhancement, training and necessary resources for enabling fulfillment of the above QEHS policy

We will set targets, measure and report progress against this policy and periodically conduct Internal and External audits to improve our QEHS standards. This policy shall form an integral part of our business strategy and shall be available to all employees, suppliers, customers, community and other stakeholders.

1st June 2018 Visakhapatnam Neeraj Sarda

Dy Managing Director



ENVIRONMENTAL MANAGEMENT SYSTEM



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 187402-2015-AE-IND-RvA Initial certification date 30 October 2015 Valid: 30 October 2021 – 29 October 2024

This is to certify that the management system of

Sarda Metals & Alloys Ltd.

APIIC Industrial Park, Kantakapalli, Kothavalasa, Vizianagaram – 535 240, Andhra Pradesh, India

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:

ISO 14001:2015

This certificate is valid for the following scope:

- Manufacture of ferroalloys like ferromanganese and silicomanganese
- Generation & export of 80 MW power

Place and date: Chennai, 02 December 2021 For the issuing office: DNV - Business Assurance ROMA, No. 10, GST Road, Alandur, Chennai - 600 016, India









Sivadasan Madiyath Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV Business Assurance B.V., Zwolseweg 1, 2994 LB, Barendrecht, Netherlands - TEL: +31(0)102922689. www.dnv.com/assurance



ANNEXURE-18

EC - NEWS PAPER PUBLICATIONS



M/s. సర్దా మెటల్స్ & అల్లాయ్స్ లెమిటెడ్ వారు పర్యావరణ, అటవీ మరియు వాతావరణ మంత్రిత్వ శాఖ ద్వారా పర్యావరణ అనుమతులు (ఆర్డర్ నెం. J-11011/164/2009-IA. II(1)- Dt.: 27.05.2022), పొందినారు. ప్రతిపాదిత విస్తరణ క్లియరెన్స్ లెటర్ కాపీలు ఆంధ్రప్రదేశ్ కాలుష్య నియంత్రణ మందలి వద్ద అందుబాటులో ఉన్నాయి. మరియు MoEFCC వెబ్సేట్లో కూడా చూడవచ్చు (http/parvesh.nic.in)

M/s సుర్ణా మెటల్స్ & అల్లాయ్స్ బెబుటెడ్ APIIC ఇందట్టియల్ పార్క్, కంటకపల్లి గ్రామం, కొత్తవలన మందలం, విజయనగరం జిల్లా, ఆంధ్రప్రదేశ్-535240.

PUBLIC NOTICE

M/s. Sarda Metals & Alloys Limited is pleased to inform the general public that it has been accorded Environmental Clearance (F. No. J-11011/164/2009-IA. II(I)- Dt.: 27.05.2022). by the Ministry of Environment, Forest and Climate Change (MoEFCC) for the Proposed Expansion of Ferro Alloy Plant, Captive Power Plant and Installation of Steel Melting Shop, Mineral Fibre Plant at APIIC Industrial Park, Kantakapalli Village, Kothavalasa Mandal, Vizianagaram District, Andhra Pradesh. Copies of the clearance letter are available with Andhra Pradesh Pollution Control Board and can also be seen at website of the MoEFCC at http/parvesh.nic.in.

M/s. Sarda Metals & Alloys Limited

APIIC Industrial Park, Kantakapalli Village Kothavalasa

Mandal, Vizianagaram District, Andhra Pradesh-535240.



D. No. 50-96-4-1, Place II & III Srigowr, Nilsyam, Seethammadhara NE Visakhapathov, 530013 CIN 1/814205H42006PLC187888

Tel +91 891 2858200 Fax +91 891 2700864



Date: 30.05.2022

Ref: SMAL/APPCB/EC/5-22

To, The Environmental Engineer, Andhra Pradesh Pollution Control board, Vizianagaram.

Sub: Proposed Expansion of Expansion of Ferre Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by MVs. Serds Metals & Alloys Ltd. in APRC Industrial Park, Kandahapatili (V), Kothavalesa (M), Vizianggaram (Dist.), A.P.

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (i) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expansion vide reference above

A copy of Environmental clearance is attached for your reference.

Yours Sincerely For Ms. Sarda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager- EHS

Encl: Copy of EC

APIRC Institution Plank Maintenapolis Ruthevelland Victoringaram 535-248 (ARS) trobe 453 -481-8022-248273 125 Millan Court B wing, Natural Protest, Mainten - 400021 (Mills fot - 91-22-2288440-81 F - 4022-228046)

D No 50-96-4/1 Floor II & III Srigowri Nifayam. Seethammadhara NE Visakhapatham: 530013 CIN: U51420MH2008PLC187689

Tel::+91.891.2858200 Fax::+91.891.2700864



Ref: SMAL/APPCB/EC/5-22

Date: 30.05.2022

The District Collector & Magistrate, Vizianagaram.

Dear Sir

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by M/s. Sarda Metals & Alloys Ltd. in APIIC Industrial Park, Kantakapalli (V), Kothavalasa (M), Vizianagaram (Dist.), A.P

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expension vide reference above

A copy of Environmental clearance is attached for your reference.

Thanking You

Yours Sincerely For M/s, Sarda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager- EHS

Encl: Copy of EC



D. No. 50 56 471. Floor 8.8.10 Segrent Milayam, Seekhammadhara NE Vesakhapatron, 530013 CIN. US1420MI-COGRECIA 7689

Tel: +91 891 2858200 Fax: +91 891 2708864



Date 30 05 2022

Ref: SMAL/APPCB/EC/5-22

To, The Panchayat Secretary, Gram Panchayat, Kantakapalli, Kothavalasa mandalam, Vizianagaram,

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibro Plant by M/s. Sarda Metals & Alloys Ltd. in APIIC Industrial Park, Kantakepalli (V), Kothavalass (M), Vizianagaram (Dist.), A.P.

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expension vide reference above.

A copy of Environmental clearance is attached for your reference

Yours Sincerely For Ms. Sarda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager- EHS

Encl: Copy of EC

PANCHAYAT SECRETARY

PANCHAYAT SECRETARY

KANTAKAPALLI

KANTAKAPALLI

KANTAKAPALLI

KANTAKAPALLI

D. No. 50-96-4/1, Floor II & III Sngown Nilayam, Seethammadhara NE Visakhapatnam -530013 CIN U51420MH2008PLC187689

Tel +91 891 : Fax +91 891 www.seml.co.in +91 891 2858200 +91 891 2700864



Ref: SMAL/APPCB/EC/5-22

Date:30.05.2022

General Manager, District Industries Centre, Vizianagaram.

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by Ms. Sarda Metals & Alloys Ltd. in APRC Industrial Park, Kantakapalli (V), Kothavalasa (M), Vizianagaram (Dist.), A.P.

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expansion vide reference above.

A copy of Environmental clearance is attached for your reference

Thanking You

Yours Sincerely For M's, Sarda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager- EHS

Encl: Copy of EC

500 3000 SSOS NAM O E



D. No. 50-95-4/1, Floor II & III Sngown Nilayam, Seethammadhara NE Visakhapatham - 530013 CIN - U51420MH2008PLC187680

Tel +91 891 2858200 Fax +91 891 2700864 www.semt.co.m



Ref: SMAL/APPCB/EC/5-22

Date: 30.05.2022

To, The District Revenue Officer, Vizianagaram.

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by M/s. Sarda Metals & Alloys Ltd. in APIIC Industrial Park, Kantakapalli (V), Kothavalasa (M), Vizianagaram (Dist.), A.P

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expansion vide reference above.

A copy of Environmental clearance is attached for your reference.

Yours Sincerely For M/s. Serda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager- EHS

Encl: Copy of EC

D. No. 50-96-47. Floor II & III. Srigowin Nilayam. Seethamimadhara NE Visakhapatnam 530013. CIN. US1420MH2008PLC187889.



Date: 30.05.2022

Ref: SMAL/APPCB/EC/5-22

The Revenue Divisional Officer,

Dear Sir

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by M/s, Sarda Metals & Alloys Ltd. in APIIC Industrial Park, Kantakapalli (V), Kothavalesa (M), Vizianagaram (Dist.), A.P.

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expansion vide reference above.

A copy of Environmental dearance is attached for your reference

Thanking You

Yours Sincerely For Mrs. Sarda Metals and Alloys Limited

Surya Bhaskaram. Assistant General Manager- EHS

Encl: Copy of EC





D. No. 50-96-4/1. Floor II & III Srigowri Nilayam, Seethammadhara NE Visakhapatnam -530013 CIN: U51420MH2008PLC187689 Tel +91 891 2858200 Fax +91 891 2700864 www.seml.co.in



Ref: SMAL/APPCB/EC/5-22

Date:30.05.2022

To,

The Tahsildar, Tahsildar office, Kothavalasa, Vizianagaram.

Dear Sir

Sub: Proposed Expansion of Expansion of Ferro Alloy Plant, Captive Power Plant and installation of Steel Melting Shop, Mineral Fibre Plant by M/s. Sarda Metals & Alloys Ltd. in APIIC Industrial Park, Kantakapalli (V), Kothavalasa (M), Vizianagaram (Dist.), A.P

Ref: - Environmental Clearance Lr. No: J-11011/164/2009-IA. II (I) dated 27.05.2022

We are pleased to inform you that Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental Clearance for our proposed expansion vide reference above.

A copy of Environmental clearance is attached for your reference.

Thanking You

Yours Sincerely

For M/s. Sarda Metals and Alloys Limited

Surya Bhaskaram, Assistant General Manager-EHS

Encl: Copy of EC

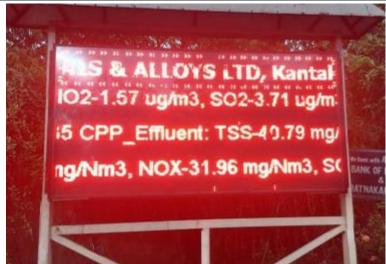




ANNEXURE-19

Digital Display Board At Main Gate









ANNEXURE-20

FORM-V

D. No. 50-96-4/1, Floor II & III Srigowri Nilayam, Seethammadhara NE Visakhapatnam -530013 CIN: U51420MH2008PLC187689

: +91 891 2858200 : +91 891 2700864



Date: 13 /09/2022.

Tel : +91 891 2858200 Fax : +91 891 2700864



The Environmental Engineer, Regional Office, Andhra Pradesh Pollution Control Board, Thotapalem, Vizianagaram, Andhra Pradesh.

Ref No: SMAL/Envi/Form-V/2021-22

Sub: Submission of Environment Statement Form-V.

With reference to the above subject we M/s. Sarda Metals and Alloys Limited located at Kantakapalli, Kothavalasa Mandal, and Vizianagaram District are herewith submitting the Environment Statement in Form-V as per the rule 14 of Environment Protection Rules for the financial year 2021-2022.

This is for your kind information and kindly acknowledge the receipt of the same.

Thank you.

Yours Faithfully For Sarda Metals & Alloys Limited

V. Surya Bhaskaram Assistant General Manager-EHS Authorized Signatory

Copy to:

IRO-Vijayawada
 APSPCB-Vijayawada

Ref No: SMAL/APPCB-RO/Form-V/2022-23

Date: 12.09.2023.

The Environmental Engineer, Regional Office, Andhra Pradesh Pollution Control Board, Thotapalem, Vizianagaram, AP.

Dear Sir/ Madam,

Sub: Submission of Environment Statement F.Y. 2022-2023 - Reg.

With reference to the above subject, We, M/s. Sarda Metals & Alloys Ltd., APIIC Industrial Area, Kantakapalli (V), Kothavalasa (M), Vizianagaram District, Andhra Pradesh, are herewith submitting the Environment Statement for the Financial Year 2022-2023 to your good office

This is for your kind information and records. Please acknowledge same.

Thanking you.

Yours Faithfully for M/s. Sarda Metals & Alloys Ltd.,

V. Surya Bhaskaram Assistant General Manager - EHS (Authorized Signatory)

Encl: As above.

APIIC, Industrial Park, Kantakapalli, Kothavalasa, Vizianagaram - 535 240, (AP) India, (O): +91 8922 248203 Registered Office :125 Mittal Court B wing, Nariman Point, Mumbal - 400021 (MH) Tel : +91 22 22884640-81 F : +022-22826680

APRC, Industrial Park, Kantakapali, Kethavalasa, Vizianagaram - 535 240, (AP) India. (O): +91 8922 248203 Registered Office: 125 Mittal Court B wing, Nariman Point, Mumbai - 400021 (MH) Tel: +91 22 22884640-81 F: +022-22826680