

EC COMPLIANCE REPORT

(April - September 2023)

Environmental Clearance vide letter No. F.No. J-11011/380/2009-IA-II (I) dated
15th January 2018

Of

Proposed Integrated Steel Plant

Located At

**Village – Temtema,
Tehsil – Kharsiya, District – Raigarh,
State - Chhattisgarh**

Project Proponent:

M/s. Sky Alloys and Power Limited

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INTRODUCTION

M/s. Sky Alloys and Power Limited is having Integrated Steel Plant at Village Temtema, Tehsil Kharsiya, District Raigarh, State Chhattisgarh. This plant having obtained environmental clearance vide letter No. F.No. J-11011/380/2009-IA-II (I) dated 15th January 2018.

EC Conditions compliance status and Environmental monitoring reports for the period of **April - September 2023** given below:

Compliance Status of conditions stipulated in Environmental of M/s. Sky Alloys and Power Limited are given below:

COMPLIANCE STATUS

Sr. No.	EC Conditions	Action Taken
A. Specific Conditions:		
i.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), gas cleaning plant, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm ³ by installing energy efficient technology.	We have installed online stack monitoring system at stack of our units connected to CPCB/CECB server. Water sprinklers are installed at dust processor to control fugitive emission. Photos of water sprinkling on the road are shown in Annexure – I . Internal roads are converted to cement Roads. Photos of Internal Road are enclosed as Annexure – II . Raw materials, finished goods and solid wastes are being and will be transported through properly covered vehicles. Industry has been maintaining good greenery all around the plant premises. Photos of Green Belt are enclosed as Annexure – III . Details of Green belt is enclosed as Annexure – IV .

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Sr. No.	EC Conditions	Action Taken
ii.	As proposed, Electrostatic precipitator (ESP) shall be provided to sinter plant, WHRB, AFBC, DRI plants; and dust catcher to control SPM levels within 50 mg/NM ³ . Fume extraction system shall be provided to induction furnace to control the emissions within the prescribed standards.	We have consented to comply. Induction furnaces have been equipped with fume extraction system followed by Bag filter. This suction hood bag filter has been designed to achieve Particulate Matter emission level below 50 mg/ Nm ³ .
iii.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be followed.	Agreed and complied. Third party AAQ Monitoring Reports are attached as Annexure – XII.
iv.	Gaseous emission level including secondary fugitive emissions from the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R. 414 (E) dated 30 th May, 2008 should be followed.	We have consented to comply. Conveyor belts & transfer points have been covered with GI sheets to control the fugitive emission. Conveyor belts & transfer point's photos are attached in Annexure – V
v.	Hot gases from the DRI kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely and used in waste heat recovery boiler (WHRB). The gas then shall be cleaned in ESP before leaving out the atmosphere through ID fan and stack.	We have provided dust settling system, After Burning Chamber and WHRB
vi.	Total Water requirement shall not exceed 660 m ³ /day. Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent should be	Complied. We have obtained Permission from the Water Resources Department, Government of Chhattisgarh. Copy is attached as Annexure – VI. Closed cooling circuit has been

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	treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and zero discharged shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit.	implemented to reduce fresh water consumption. All the treated effluent has been used for dust suppression and green belt development. Sanitary wastewater has been treated in septic tank followed by soak pit and used for green belt development. ZLD is being maintained by industry.
vii.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from the other sources.	Agreed and being complied. The industry developed surface water harvesting structure to harvest rain water and being utilizing in lean seasons. The photo of rainwater harvesting structures are enclosed as Annexure – VII.
viii.	Regular monitoring of influent and effluent surface, sub-surface and ground water (including chromite) should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and CPCB.	Agreed and being complied. The Monitoring reports are enclosed as Annexure – XII.
ix.	The water consumption shall not exceed as per the standard prescribed for the steel plants.	Complied. We ensure to kept water consumption within prescribed for the steel plants.
x.	All the Coal fines, char from DRI plant	Complied

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	shall be utilized in AFBC boiler of power plant and no char shall be used for briquette making or disposed off anywhere else. AFBC boiler shall be installed simultaneously along with DRI plant to ensure full utilization of char from the beginning. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner.	All the other solid waste including broken refractory mass is properly disposed off in environment-friendly manner.
xi.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003/2009.	Complied. Details of Fly Ash Report (Production and Disposal) are enclosed as Annexure – VIII .
xii.	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied. Raw materials, finished goods and solid wastes are transported through tarpaulin covered vehicles. Water sprinkling measures are taken to control dust emission.
xiii.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coal mines shall be created within the unit.	Complied. All the internal roads of plant premises are black topped and maintained regularly. The photos of internal road are enclosed as Annexure - II .
xiv.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional	Complied. Solid wastes are stored at designated platforms above ground level.

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	Office at Bhopal, CECB and CPCB.	
xv.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Agreed and complied.
xvi.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB within 3 months of issue of environment clearance letter.	We have consented to comply. Risk and Disaster Management Plan along with the mitigation measures has been prepared.
xvii.	As proposed, green belt shall be developed in 33% of plant area as per the CPCB guidelines in consultation with the DFO.	Complied. We have consented to the condition. We are maintaining good greenery within plant premises. Greenbelt has been developed around the plant. There are 10560 no. of plants have been developed till date. Total Area of the plant – 75.41 Acre. Area of Plantation – 25 Acre. Photos of Green belt are enclosed as Annexure – III . Details of Green belt are enclosed as Annexure – IV .
xviii.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants should be implemented.	Complied. We will implement as per CREP recommendations.
xix.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 30 th June, 2010 should be satisfactorily implemented and a separate budget for implementing the same should be	Complied.

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	allocated and information submitted to the Ministry's Regional Office at Bhopal.	
xx.	At least 5% of the total cost of the project should be earmarked to towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	Complied. Photos attached in Annexure – IX.
xxi.	Rehabilitation and Resettlement Plan for the project affected population including tribal, if any shall be implemented as per the policy of the State Government in consultation with the State Government of Chhattisgarh. Compensation paid in any case should not be less than the norms prescribed under the National Resettlement and Rehabilitation Policy, 2007.	Not Applicable
xxii.	The company shall provide housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed
B. General Conditions		
i.	The project authority shall adhere to the stipulations made by Chhattisgarh Environment Conservation Board (CECB) and State Government.	Complied.
ii.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Complied.

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iii.	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The CECB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied.
iv.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (night time).	Being complied. The Noise Monitoring Reports are enclosed as Annexure – XII .
v.	Occupational Health Surveillance of the workers shall be done on a regular basis and record maintained as per the Factories Act.	Being complied. It being on regular basis and record are maintained.
vi.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Complied.
vii.	Proper housekeeping and adequate occupational health program shall be taken up as per the Factory Act.	Being complied strictly.
viii.	The company shall undertake eco-development measures including community welfare measures in the project area.	Complied.

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ix.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Complied. The environmental Management Cell is headed by the Head (Environment) at the corporate levels and supported by Manager, who directly reports to the Board of Director. The hierarchy of environment management cell photo is enclosed as Annexure – X.
x.	The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Complied
xi.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied
xii.	A copy of clearance letter shall be sent by the proponent to concerned Panchyat, Zila Parishad / Municipal Corporation, Urban Local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied
xiii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same	We have uploaded our EC and six-monthly compliance in our website skyalloy.co.in

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	periodically. It shall simultaneously be sent to the Regional Office of the MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the CWC. The Regional Office of this Ministry at Bhopal/CPCB/CECB shall monitor the stipulated conditions.	Complied
xv.	The environmental statement for each financial year ending 31 st March in Form-V as in mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Complied Copy of Environmental Statement for 31/03/2022 is enclosed as Annexure – XI.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be	Complied

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	advertised within seven 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 at Bhopal.	
xvii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed
xviii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed
xix.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling & Trans boundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendment and rules.	Agreed

ENVIRONMENTAL STATUS REPORT

Air Quality Monitoring

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to plant operation. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of plant activity on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within and around the plant area

Ambient Air Quality Monitoring

Ambient Air Quality was monitored at one location within plant premises and three locations in nearby villages. Fugitive emissions were monitored at two locations in the plant premises.

The sampling stations are selected at the above-mentioned locations, in downwind and upwind directions of the industry. Bhoomi Envirotech Pvt. Ltd. is carrying out regular monitoring for, SPM, RPM, SO₂ and NO₂ at above Ambient Air Quality Monitoring (AAQM) locations. Monitoring of fugitive emissions include parameter SPM.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling for PM₁₀, PM_{2.5}, SO₂ and NO₂ is twenty-four hourly. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

Methods and Instruments used for Sampling

The air samples were analyzed as per methods specified by Central Pollution Control Board (CPCB).

The levels of Suspended Particulate Matter, Respirable Particulate Matter, Sulphur Dioxide (SO₂) & Nitrogen Dioxide (NO₂) were monitored for identifying the impact on surrounding area. PM₁₀ and PM_{2.5} were collected with the help of Respirable particulate sampler and Fine particulate sampler operating 24 hours and is computed by gravimetric method. Due to the high flow rate of air, the vacuum is

formed into the hopper region of sampler which is tapped by providing a nozzle in the hopper which sucks the ambient air for sampling SO₂ and NO_x. The gases were measured by wet chemical method and were analyzed by colorimetric. The measurement techniques used for various pollutants and other details are given in below Table.

Measurement Techniques for Various Pollutants

Sr. No.	Parameter	Method	Minimum Detection limit (µg/m³)
1.	Suspended Particulate Matter, SPM	Respirable Dust Sampler (Gravimetric Method)	5
2.	Respirable Particulate Matter, PM ₁₀	Respirable Dust Sampler (Gravimetric Method)	5
3.	Fine Particulate Matter, PM _{2.5}	Fine Particulate Sampler (Gravimetric Method)	-
4.	Sulphur Dioxide	Improved West and Geake Method	4
5.	Nitrogen Dioxide	Jacob &Hochheiser Modified Method	4

Ambient Air Quality

The ambient air quality monitoring was carried out at one locations in the Plant premises and three locations in the nearby villages in upwind, downwind and crosswind directions of the Ferro Plant project. The air quality monitoring was conducted for PM₁₀, PM_{2.5}, SO₂ and NO₂ during this monitoring period.

Fugitive emission monitoring was carried out at two locations within the Plant premises during this period for the parameters which includes SPM.

Overall the ambient air concentrations of PM₁₀, PM_{2.5}, SO₂ and NO₂ were observed to be well within the limits of concentrations promulgated by CPCB, New Delhi.

National Ambient Air Quality Standard:

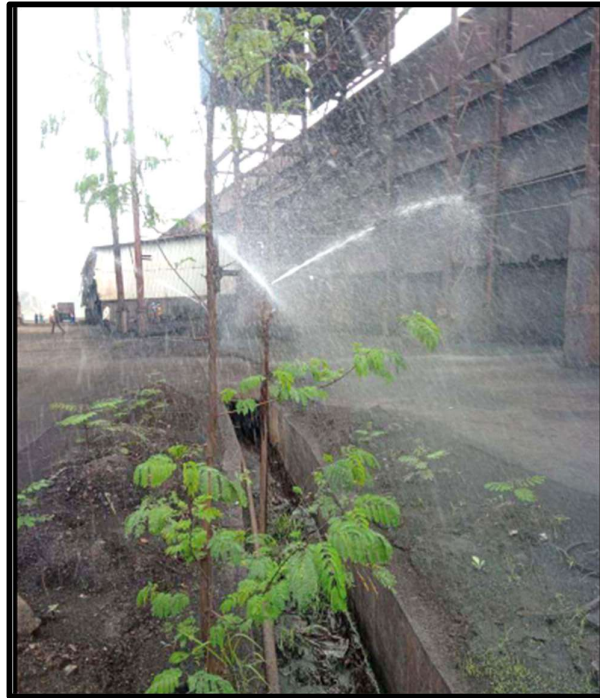
PM₁₀: 100 µg/m³,

PM_{2.5}: 60 µg/m³

SO₂: 80 µg/m³ and

NO₂: 80 µg/m³

**ANNEXURE I: PHOTOGRAPHS OF WATER
SPRINKLING OVER THE ROAD**



ANNEXURE II: PHOTOGRAPHS OF INTERNAL ROAD



ANNEXURE III: PHOTOGRAPHS OF GREEN BELT





ANNEXURE IV: GREEN BELT DETAILS

sent by mail - 28/2/23 GIN: Y27108

SAPL SKY ALLOYS AND POWER LI

सेवा में, वि

श्रीमान श्रीश्रीय अधिकारी
छ.ग. पर्यावरण संरक्षण मंडल,
जिला - रायगढ़ (छ.ग.)

विषय - विधानसभा ध्यानाकर्षण सूचना क्रमांक-935 द्वारा माननीय श्री धरम जाल कौशिक
विधानसभा।

सोदय,

उपरोक्त विषयांतरगत लेख है कि विधानसभा ध्यानाकर्षण सूचना क्रमांक-935 द्वारा माननीय
कौशिक जी . सदस्य विधानसभा के संबंध में निम्नानुसार जानकारी आपके कार्यालय को प्रेषित

क्र.	उत्प्रेत कर नाम	उत्प्रेत का क्षेत्रफल	उत्प्रेत में वृक्षारोपण हेतु क्षेत्रफल	उत्प्रेत में किसे गए वृक्षारोपण का समय/दिनांक क्षेत्रफल	उत्प्रेत में किसे गए वृक्षारोपण की कुल संख्या (2021-2022)	उत्प्रेत में 31/01/2023 जोड़ित वृक्ष की संख्या (2021-2022)	पक्ष स्वीकृत अ वृक्ष क्रिया स
01	स्कई अलॉयज एंड पावर लिमिटेड विलेज टेमटेमा, खरसिया, रायगढ़.	75.41 एकड़	25.25 एकड़	25.00 एकड़	12500	10560	450

धन्यवाद,

संकेत

ANNEXURE V: PHOTOGRAPHS OF CONVERYOR BELT



ANNEXURE VI: COPY OF WATER PERMISSION

छत्तीसगढ़ शासन
जल संसाधन विभाग
मंत्रालय
दाऊ कल्याण सिंह भवन, रायपुर, छ.ग.

क्र. 7322 / एफ 4-140 / एस-2 / 31 / औजप्र / 2009, रायपुर दिनांक 31/09/2010

प्रति,

मुख्य अभियंता,
हसदेव कछार,
जल संसाधन विभाग,
बिलासपुर, (छ.ग.)

विषय:- मेसर्स स्काई एलॉयज एण्ड पावर प्रा.लि., रायपुर द्वारा रायगढ़ जिले में प्रस्तावित इंटिग्रेटेड स्टील एवं 50 मेगावाट केप्टिव पावर प्लांट हेतु माण्ड नदी से 0.28 मि.घ.मी. वार्षिक जल आबंटन/प्रदाय की स्वीकृति।

संदर्भ:- 1. शासन का पत्र क्र.-4396-4397 / एफ-4-117 / एस-2 / 31 / औजप्र / 2008, रायपुर दिनांक 29.06.2010.
2. कार्यपालन यंत्री, जल संसाधन संभाग, धरमजयगढ़ जिला-रायगढ़ का पत्र क्रमांक-2067-2068 / व.ले.लि. / 2010 / रायगढ़, दिनांक 13.08.2010.

विषयांतर्गत प्रकरण में राज्य जल संसाधन उपयोग समिति, छ.ग. की 28वीं बैठक, दिनांक 05.04.2010 में लिये गये निर्णयानुसार एवम् संस्थान द्वारा कमिटमेंट चार्जस रु. 0.07 लाख का भुगतान जल संसाधन विभाग को किये जाने के तारतम्य में, मेसर्स स्काई एलॉयज एण्ड पावर प्रा.लि., रायपुर द्वारा रायगढ़ जिले में प्रस्तावित इंटिग्रेटेड स्टील एवं 50 मेगावाट केप्टिव पावर प्लांट हेतु ग्राम टेमटेमा के पास, माण्ड नदी के नैसर्गिक स्रोत (बहाव) से वांछित 0.28 मि.घ.मी. वार्षिक जल आबंटन/प्रदाय की स्वीकृति निम्नलिखित शर्तों के साथ प्रदान की जाती है :-

1. संस्थान को उनकी वार्षिक आवश्यकता के अनुरूप कुल 0.28 मि.घ.मी. जल का आहरण ग्राम टेमटेमा के पास माण्ड नदी के नैसर्गिक स्रोत से कर, जल आवश्यकता 0.14 मि.घ.मी. का संग्रहण अपने संयंत्र परिक्षेत्र में बैलेन्सिंग रिजर्वायर (तालाब) बनाकर करना होगा।
2. संस्थान द्वारा उनकी वार्षिक आवश्यकता अनुसार 0.28 मि.घ.मी. जल का उद्बहन वर्षा उपरांत बहाव की उपलब्धता माण्ड नदी में आने के बाद किया जायेगा। वर्षा में कमी होती है तो उस स्थिति में यदि माण्ड नदी में बहाव की मात्रा कम होती है तो

आवश्यकता अनुसार अतिरिक्त जल के उद्वहन हेतु शासन की पुर्वानुमति आवश्यक होगी।

- 3 संस्थान, माण्ड नदी में ग्राम- टेमटेमा के पास प्रस्तावित जल आहरण के निर्धारित स्थल से अपने संयंत्र स्थल तक जल ले जाने हेतु आवश्यक व्यवस्था (इंटेकवेल का निर्माण, पाईप लाईन बिछाना आदि) जल संसाधन विभाग के अनुमोदन उपरांत स्वयं के व्यय पर करेगा।
- 4 प्रकरण में प्रदायित जल की मात्रा के माप हेतु इंटेकवेल (पंप हाउस) में मानक जल मापन यंत्र की स्थापना संस्थान को स्वयं के व्यय पर करनी होगी, जिसकी समय-समय पर विभाग द्वारा जांच की जा सकेगी।
- 5 प्रकरण में जल ले जाने हेतु पाईप लाईन बिछाने के लिए भू-अर्जन एवं संबंधित जो भी समस्या आयेगी उसका निराकरण संस्थान स्वयं के व्यय पर स्वयं करेगा। इसके साथ ही छ.ग. राज्य की आदर्श पुनर्वास नीति-2007 (यथा संशोधित) का पालन करना अनिवार्य होगा।
- 6 संस्थान द्वारा वास्तविक जल आहरण के आधार पर स्वीकृत जल-मात्रा का आंकलन एवं समीक्षा समय-समय पर शासन द्वारा की जा सकेगी।
- 7 माण्ड नदी में जल आहरण के प्रस्तावित स्थल के ऊपर एवं नीचे जल उपयोग हेतु जल संसाधन विभाग स्वतंत्र होगा।
- 8 संस्थान, स्थानीय लोगों के जल उपयोग जैसे पेयजल एवं निस्तार आदि हितों पर किसी प्रकार का प्रतिकूल प्रभाव नहीं डालेगा एवं इसके लिए आवश्यक जल की मात्रा नदी में हमेशा सुरक्षित रखी जायेगी।
- 9 संस्थान, उपयोग के पश्चात अपने संयंत्र से निस्सारित जल का रि-साइकलिंग करके इसका उपयोग करेगा एवं राज्य प्रदूषण नियंत्रण मंडल द्वारा निर्धारित मानकों एवं नियमों के अनुसार उपचार कर निस्सारित करेगा, ताकि क्षेत्र में जल प्रदूषण की कोई समस्या उत्पन्न न हो।
- 10 संस्थान को, जल का उपयोग प्रारंभ करने के पूर्व विभाग के निर्धारित प्रारूप-7(क) में मुख्य अभियंता, हसदेव कछार, जल संसाधन विभाग, बिलासपुर के निर्देशानुसार/अनुमोदन उपरांत अनुबंध करना अनिवार्य होगा।
- 11 संस्थान को, शासन द्वारा नैसर्गिक स्रोत से औद्योगिक जल उपयोग हेतु समय-समय पर निर्धारित जल-दर पर जल कर एवं कमिटमेंट चार्जस का नियमानुसार भुगतान जल संसाधन विभाग को अनिवार्य रूप से करना होगा एवं कमिटमेंट चार्जस के संबंध में शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 का पालन संस्थान के लिए बंधनकारी होगा।

- 12 प्रकरण में जल प्रदाय की यह स्वीकृति वर्तमान में उपलब्ध आंकड़ों/परिस्थितियों पर आधारित है। भविष्य में किसी कारणवश नदी के जल प्रवाह में कमी होने पर शासन इसके लिए जवाबदेह नहीं रहेगा एवं इस संबंध में शासन के विरुद्ध किसी प्रकार का दावा मान्य योग्य नहीं होगा।
- 13 शासन द्वारा कमिटमेंट चार्जस के संबंध में जारी परिपत्र दिनांक 20.04.2007 के अनुसार संस्थान को इस स्वीकृति पत्र के जारी होने के दिनांक से 02 वर्षों के अंदर जल का उपयोग प्रारंभ करना होगा। इस अवधि के दौरान संस्थान द्वारा यदि जल का उपयोग प्रारंभ नहीं किया जाता है तो उपयोग प्रारंभ करने की समय-सीमा अधिकतम 2 वर्ष की अवधि के लिए और बढ़ाई जा सकेगी एवं इस हेतु प्रथम वर्ष में आबंटित/आरक्षित जल की संपूर्ण मात्रा के 5% अंश एवं दूसरे वर्ष में 10% अंश की जल-कर राशि अतिरिक्त कमिटमेंट चार्जस के रूप में संबंधित वर्ष की समाप्ति के पश्चात 3 माह के अंदर जमा करनी होगी। अतिरिक्त कमिटमेंट चार्जस की निर्धारित अधिकतम 2 वर्ष की समय-सीमा के अनुसार भुगतान करने के पश्चात भी यदि संस्थान द्वारा जल का उपयोग प्रारंभ नहीं किया जाता है एवं उपरोक्तानुसार निर्धारित समस्त शर्तों का पालन नहीं किया जाता है तो तत्काल प्रभाव से जल आबंटन/आरक्षण स्वयमेव समाप्त माना जायेगा एवं शासन को इस जल को अन्य किसी के उपयोग हेतु आबंटित/आरक्षित करने की स्वतंत्रता होगी।

सहपत्र :- शून्य


(सी.के. खेतान)
सचिव,
जल संसाधन विभाग,
मंत्रालय, रायपुर

.....4

.....4.....

पृ.क्र. 7323/एफ 4-140/एस-2/31/औजप्र/2009, रायपुर दिनांक 21/09/2010
प्रतिलिपि:-

1. प्रमुख अभियंता, जल संसाधन विभाग, रायपुर को संदर्भित पत्रों के परिप्रेक्ष्य में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
2. अधीक्षण अभियंता, जल संसाधन मण्डल, रायगढ़ को सूचनार्थ अग्रेषित।
3. कार्यपालन अभियंता, जल संसाधन संभाग, धरमजयगढ़ को संदर्भित पत्र क्र.-2 के परिप्रेक्ष्य में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।
4. अतिरिक्त अधीक्षण अभियंता, ऊर्जा विभाग, छत्तीसगढ़ शासन, मंत्रालय, रायपुर को सूचनार्थ अग्रेषित।
5. उप संचालक, राज्य निवेश प्रोत्साहन बोर्ड, मंत्रालय के पास (रेणुका द्वार), शास्त्री चौक, रायपुर को उनके पत्र क्र.-195/एसआईपीबी/2009/462, दि. 22.06.09 के परिप्रेक्ष्य में सूचनार्थ अग्रेषित।
- ✓ 6. मेसर्स स्काई एलॉयज एण्ड घावर प्रा.लि. सुप्रीम हाऊस, महादेव घाट चौक रिंग रोड नं.-1, रायपुर (छ.ग.) को उनके आवेदन पत्र के परिप्रेक्ष्य में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

सहपत्र :- शून्य।


20/9/2010
विशेष कर्तव्यस्थ अधिकारी
जल संसाधन विभाग,
मंत्रालय, रायपुर



ANNEXURE VII: PHOTOGRAPHS OF RAINWATER HARVESTING STRUCTURE



EC Compliance Report
Compliance Period: - October 2022 – March 2023

ANNEXURE VIII: FLY ASH DETAILS

Sent By mail

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

To
 The Regional Officer
 Chhattisgarh Environment Conservation Board
 Dist. Raigarh (C.G.)

Dt.18.05.2021

Subject- Monthly report of FLY ASH for the month of April-2021.

Respected sir
 please find the monthly report of Fly ash (production & consumption) report for the month of April-2021

FLY ASH GENERATION AND CONSUMPTION DETAIL MONTHLY

2021-22							
MONTH	OPENING BALANCE	FLY ASH GENERATION	FLY ASH CONSUMPTION FOR BRICKS (at Plant)	FLY ASH CONSUMPTION FOR BRICKS (Other Plant)	FLY ASH CONSUMPTION FOR LAND FILLING	CONSUMPTION FOR ROAD MAKING	CLOSING BALANCE
Apr-21	0.00	2260	1311	949	0	0	2260

Thank you
 Yours Faithfully
 For- SKY ALLOYS AND POWER P LTD.

Regd. Office : "SKY HOUSE" 16, Reghate Road, Choube Colony, RAIPUR (C.G.)
 Ph. 0771-2253300, 4046097 ■ Fax : 0771-4048097 ■ E-mail : skyalloys@yahoo.in

etc

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

To
 The Regional Officer
 Chhattisgarh Environment Conservation Board
 Dist. Raigarh (C.G.)

Dt.03.04.2021

Subject- yearly report of FLY ASH from of APRIL 2020 TO MARCH-2021.

Respected sir
 please find the monthly report of Fly ash yearly (production & consumption) report of FLY ASH from of APRIL 2020 TO MARCH-2021.

FLY ASH GENERATION AND CONSUMPTION DETAIL MONTH WISE

2020-21							
MONTH	OPENING BALANCE	FLY ASH GENERATION	FLY ASH CONSUMPTION FOR BRICKS (at Plant)	FLY ASH CONSUMPTION FOR BRICKS (Other Plant)	FLY ASH CONSUMPTION FOR LAND FILLING	CONSUMPTION FOR ROAD MAKING	CLOSING BALANCE
Apr-20	0.00	0	0	0	0	0	0
May-20	0.00	2660	1729	452	479	2660	0
Jun-20	0.00	2590	1684	440	466	2590	0
Jul-20	0.00	2570	1208	1362	0	2570	0
Aug-20	0.00	2630	1236	1394	0	2630	0
Sep-20	0.00	2545	1196	1349	0	2545	0
Oct-20	0.00	2460	1156	1304	0	2460	0
Nov-20	0.00	2530	1189	1341	0	2530	0
Dec-20	0.00	2310	1086	1224	0	2310	0
Jan-21	0.00	2250	1058	1193	0	2250	0
Feb-21	0.00	1530	719	811	0	1530	0
Mar-21	0.00	2645	1243	1402	0	2645	0

Thank you
 Yours Faithfully
 For- SKY ALLOYS AND POWER P LTD.

Regd. Office : "SKY HOUSE" 16, Reghate Road, Choube Colony, RAIPUR (C.G.)
 Ph. 0771-2253300, 4046097 ■ Fax : 0771-4048097 ■ E-mail : skyalloys@yahoo.in

Sent By mail

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

To
 The Regional Officer
 Chhattisgarh Environment Conservation Board
 Dist. Raigarh (C.G.)

Dt.10.06.2021

Subject- monthly report of FLY ASH production and consumption for the month of May 2021.

Respected sir
 please find the monthly report of Fly ash monthly (production & consumption) report of Fly Ash for the month of May 2021..

FLY ASH GENERATION AND CONSUMPTION DETAIL MONTH WISE

2021-22							
MONTH	OPENING BALANCE	FLY ASH GENERATION	FLY ASH CONSUMPTION FOR BRICKS (at Plant)	FLY ASH CONSUMPTION FOR BRICKS (Other Plant)	FLY ASH CONSUMPTION FOR LAND FILLING	CONSUMPTION FOR ROAD MAKING	CLOSING BALANCE
May-21	0.00	2470	1161	1309	0	0	2470

Thank you
 Yours Faithfully
 For- SKY ALLOYS AND POWER P LTD.

Regd. Office : "SKY HOUSE" 16, Reghate Road, Choube Colony, RAIPUR (C.G.)
 Ph. 0771-2253300, 4046097 ■ Fax : 0771-4048097 ■ E-mail : skyalloys@yahoo.in

Sent By mail

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

To
 The Regional Officer
 Chhattisgarh Environment Conservation Board
 Dist. Raigarh (C.G.)

Dt.05.07.2021

Subject- monthly report of FLY ASH production and consumption for the month of June 2021.

Respected sir
 please find the monthly report of Fly ash monthly (production & consumption) report of Fly Ash for the month of June 2021..

FLY ASH GENERATION AND CONSUMPTION DETAIL MONTH WISE

2021-22							
MONTH	OPENING BALANCE	FLY ASH GENERATION	FLY ASH CONSUMPTION FOR BRICKS (at Plant)	FLY ASH CONSUMPTION FOR BRICKS (Other Plant)	FLY ASH CONSUMPTION FOR LAND FILLING	CONSUMPTION FOR ROAD MAKING	CLOSING BALANCE
Jun-21	0.00	1960	921	1039	0	0	1960

Thank you
 Yours Faithfully
 For- SKY ALLOYS AND POWER P LTD.

Regd. Office : "SKY HOUSE" 16, Reghate Road, Choube Colony, RAIPUR (C.G.)
 Ph. 0771-2253300, 4046097 ■ Fax : 0771-4048097 ■ E-mail : skyalloys@yahoo.in

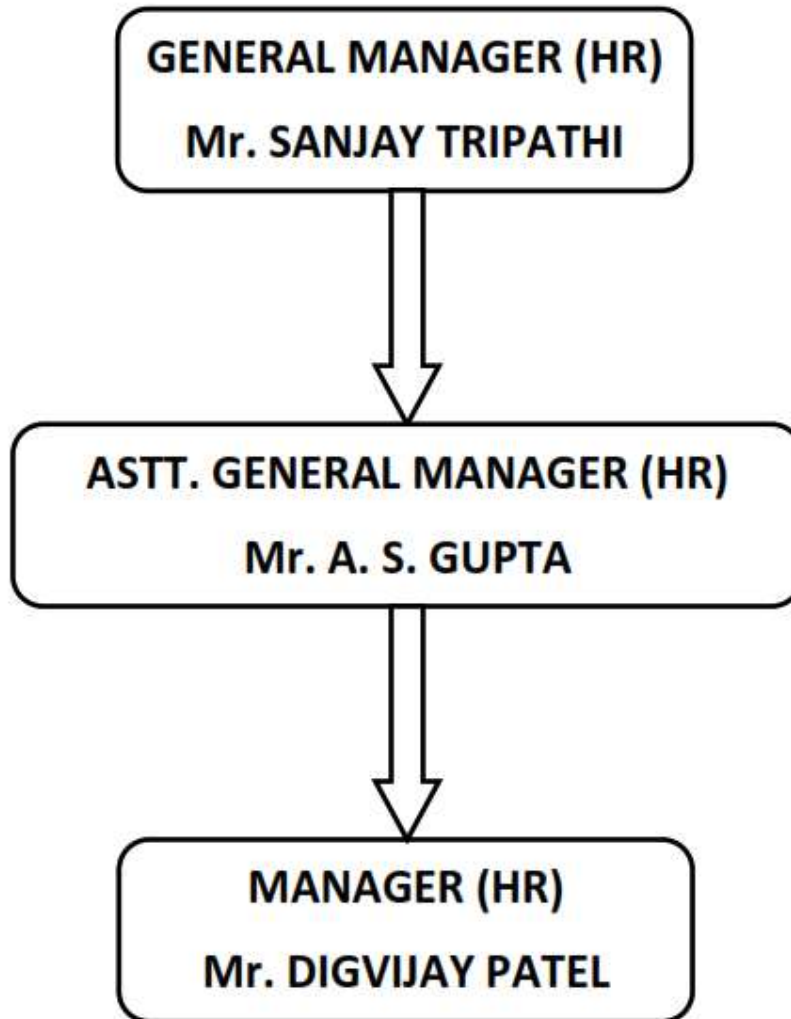
ANNEXURE IX: PHOTOGRAPHS OF CSR



EC Compliance Report
Compliance Period: - October 2022 – March 2023



ANNEXURE X: HIERARCHY



**ANNEXURE XI: ENVIRONMENTAL STATEMENT
(FORM – V)**

Environment Statement Report

[FORM – V]

Sky ALLOYS AND POWER

LIMITED

VILLAGE- TEMTEMA, BLOCK KHARSIYA,

DISTRICT-RAIGARH (CHHATTISGARH)

EC Compliance Report
Compliance Period: - October 2022 – March 2023

Environment Statement Report

Environment (Protection) Rules 1986 [Rules-14]

Form V for financial Year (2021-2022) ending 31st March 2022

PART-A

General

1.	Name & Address of the Owner/Occupier the industry Operational or Process	Shri Sanjay Goyal (Director) SKY Alloys and Power Private Limited Village Temtema, District – Raigarh, Chhattisgarh													
2.	Industry Category	RED (Steel & Power)													
3.	Production Capacity	<table><thead><tr><th>Name of Product</th><th>Production Capacity</th></tr></thead><tbody><tr><td>Sponge Iron Plant (4 x 100TPDDRI Kiln)</td><td>1,20,000 TPA (One Lac Twenty Thousand Tonnes per Annum)</td></tr><tr><td>Waste Heat Recovery Boiler Based Power Plant</td><td>08 Megawatt (EightMegawatt)</td></tr><tr><td>Fluidized Bed Boiler Based Power Plant</td><td>12 Megawatt (Twelve Megawatt)</td></tr><tr><td>Billets (Induction Furnace (3x10 Tons) with Concast)</td><td>1,00,000 TPA (One Lac Tonnes per Annum)</td></tr><tr><td>Ferro Alloys Plant (2 x 9 MVA Submerged Arc Furnaces)</td><td>Fe-Si – 30,000 TPA or Fe-Mn–9,600 TPA or Si-Mn – 21,700 TPA (Total Ferro Alloys Production shall not exceed - 30,000 TPA (Thirty Thousand TPA))</td></tr></tbody></table>	Name of Product	Production Capacity	Sponge Iron Plant (4 x 100TPDDRI Kiln)	1,20,000 TPA (One Lac Twenty Thousand Tonnes per Annum)	Waste Heat Recovery Boiler Based Power Plant	08 Megawatt (EightMegawatt)	Fluidized Bed Boiler Based Power Plant	12 Megawatt (Twelve Megawatt)	Billets (Induction Furnace (3x10 Tons) with Concast)	1,00,000 TPA (One Lac Tonnes per Annum)	Ferro Alloys Plant (2 x 9 MVA Submerged Arc Furnaces)	Fe-Si – 30,000 TPA or Fe-Mn–9,600 TPA or Si-Mn – 21,700 TPA (Total Ferro Alloys Production shall not exceed - 30,000 TPA (Thirty Thousand TPA))	
Name of Product	Production Capacity														
Sponge Iron Plant (4 x 100TPDDRI Kiln)	1,20,000 TPA (One Lac Twenty Thousand Tonnes per Annum)														
Waste Heat Recovery Boiler Based Power Plant	08 Megawatt (EightMegawatt)														
Fluidized Bed Boiler Based Power Plant	12 Megawatt (Twelve Megawatt)														
Billets (Induction Furnace (3x10 Tons) with Concast)	1,00,000 TPA (One Lac Tonnes per Annum)														
Ferro Alloys Plant (2 x 9 MVA Submerged Arc Furnaces)	Fe-Si – 30,000 TPA or Fe-Mn–9,600 TPA or Si-Mn – 21,700 TPA (Total Ferro Alloys Production shall not exceed - 30,000 TPA (Thirty Thousand TPA))														
4.	Year of Establishment	2010													
5.	Date of last Environment Statement Submission	15/09/2021													

PART-B

Water and Raw Material Consumption-Operation

I. Water Consumption in m³ /Day: 450 m³/Day

Water Consumption in m ³ /Day(2021-2022)	
Process	70
Cooling	340
Domestic & Others	40

Name of product

Name of Product	Process Water Consumption Per Unit of Product Output	
	During the Previous financial Year (2020-21)	During the Current financial Year (2021-22)
Sponge Iron	0.334 M ³ /MT	0.335 M ³ /MT
Cpp	1.5 M ³ /MW	1.45 M ³ /MW
SMS	0.325 M ³ /MT	0.330 M ³ /MT

II. Raw Material Consumption:-

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of output	
		During the Previous financial year (2020-21)	During the Current financial year (2021-22)
Iron Pellet	Sponge Iron	2.237 MT/MT	1.76 MT/MT
Coal		1.25 MT/MT	1.22 MT/MT
Dolomite		0.08 MT/MT	0.05 MT/MT

Name of Raw Materials	Name of Products	Consumption of Raw Materials per unit of output	
		During the Previous financial year (2020-21)	During the Current financial year (2021-22)
Sponge Iron	SMS	1.13 MT/MT	1.20 MT/MT
PIG IRON		0.192 MT/MT	0.21 MT/MT
SCRAPE		0.161 MT/MT	0.165 MT/MT
Coal/Dolochar	CPP	1.72 MT/MW	1.75 MT/MW

EC Compliance Report
Compliance Period: - October 2022 – March 2023

PART-C Operation

Pollution Discharge to Environment/Unit of Output(Parameter as specified in the consent issued)

Pollutants		Quantity of Pollutants Discharged	Concentration of Pollutants Discharged	Percentage of Variation from Prescribed
1.Water		Nil	Nil	NA
2.Air	Stack Emission	LESS THAN 50 mg/Nm3	45 mg/Nm3	Within prescribed limit

PART-D

Hazardous Waste:

(As specified under Hazardous Waste (Management& Handling Transboundary Movement)Rules 2008)

Hazardous Wastes	Total Quantity(Kg)	
	During the previous financial year(2020-2021)	During the current financial year(2021-2022)
Form Process(Used/Spent Oil)	1.955 KL	2.05 KL
Ion Exchange resin	NIL	NIL

PART-E

Solid Waste:

Solid Wastes	Total Quantity(MT)	
	During the previous financial year(2020-2021)	During the current financial year (2021-2022)
a. From Process (Char-Dolochar)	32804.4 MT	35010 MT
b. Quantity recycled of re- Utilized	32804.4 MT	35010 MT

PART-F

Please specify the characteristics (in terms of concentration and quantity) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

Hazardous Waste: Hazardous Waste being generated from the process includes used oil (from machineries /equipment, Authorization taken from the Chhattisgarh Environment Conservation Board.) has been used as lubrication of machines.

Solid Waste: As per Fly Ash Notification 3rd November 2009 and amendments Fly Ash from CPP has been used in construction of roads/Highways/ back filling of low lying area and bricks manufacturing.

PART-G

Impact of the pollution abatement measure taken on conservation of natural resource and on the cost production.

- 1 - High efficiency Electrostatic Precipitators (ESPs) and bag filter installed to control of dust emission in flue gas.
- 2 - Our plant is designed and operational on zero discharge concept.
- 3 - Green belt has been developed in and around the plant periphery to control the dispersal of dust particles and attenuate the noise generated during the process.
- 4 - Good housekeeping is being maintained in and around the plant.

PART-H

Additional measure/investment proposal for environmental protection including abatement of pollution.

Plant is regularly monitoring ambient air, stack emission, noise level, water quality and soil quality in and around the plant premises. All the emission and discharges are meeting the permissible limits prescribed by MoEF/CPCB/CECB. Green belt has been developed in and around the plant periphery.

PART-I

Any Other particulars for improvement the quality of Environment.

1. Pollution Monitoring and control equipment.

Operation/C&IList of Pollution Control equipment are as

follows:

S. No	Plant Activities	Pollution Control Measure
1	Coal Yard	Water Sprinklers
2	Coal Handling Plants/System	Dust extraction system
4	Coal Transfer Points	Bag filters has been provided in transfer point
5	Boiler(Emission Dispersion)	ESP/Bag filters
6	DM Plant	Neutralization pit
7	Vehicle Movement	Sprinklers/Tarpaulin covering, only PUC vehicle allowed

2. Management of Waste.

Solid Waste: Bricks manufacturing

Domestic Waste: composted and using as manure of plantation

MISCELLANEOUS

Any other particular is respect of environment protection and abatement of pollution.

1. Good housekeeping is being maintained in and around the plant, dedicated team is deployed for taking care of upkeep of housekeeping and maintaining cleanliness.
2. To create awareness among the employees by imparting training on environment and pollution control.
3. Selection of best environmental practices and its implementation
4. Regular cleaning of roads and water sprinkling to minimize fugitive emission.

ANNEXURE XII: MONITORING REPORTS

EC Compliance Report
Compliance Period: - April – September 2023



Bhoomi Envirotech Pvt. Ltd.

D-1, Sector-3, Priyadarshini Nagar,
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Format No. - BEPL/QF/7.8/02

TEST REPORT

ULR																	
TC 1 0 2 8 5 2 3 0 0 0 0 0 0 5 5 9 F																	
Report No. : BEPLTR20230922AAQ007										Date of Issue: 22.09.2023							
Name and Address of Customer*		Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)															
Lab Sample ID.		BEPL/AAQ/2023091902/001								Customer Sample ID*		AAQ-01					
Sample Description*		Ambient Air Sample								Sampling Done By		BEPL Staff					
Sampling Location*		Near Admin Office								Date of Sampling		17.09.2023					
Sampling Method		As Per CPCB Guideline (Vol.1)								Duration of Sampling		24 hr.					
Environment Condition During Testing		Temp. (°C) - 24.9°C Humidity (% RH) - 53 %								Environment Condition During Sampling		Temp. (°C)					
												Min.- 24°C			Max.- 31°C		
												Humidity (% RH)					
												Min.-66 %			Max.- 92%		
Date of Sample Received		19.09.2023								Analysis Duration		19.09.2023 to 21.09.2023					

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	75.03	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	34.45	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	14.85	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	22.82	80	IS 5182 (P-6)

Note:

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 (Ritesh Kumade) Reviewed By	 For, Bhoomi Envirotech Pvt. Ltd. (Meman Kumar Sinha) Authorized Signatory
---	--

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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Format No. - BEPL/QF/7.8/02

TEST REPORT

ULR										TC 1 0 2 8 5 2 3 0 0 0 0 0 0 5 6 0 F									
Report No.: BEPLTR20230922AAQ008										Date of Issue: 22.09.2023									
Name and Address of Customer*		Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)																	
Lab Sample ID.		BEPL/AAQ/2023091902/002								Customer Sample ID		AAQ-02							
Sample Description*		Ambient Air Sample								Sampling Done By		BEPL Staff							
Sampling Location*		Near Store Room Area								Date of Sampling		17.09.2023							
Sampling Method		As Per CPCB Guideline (Vol.1)								Duration of Sampling		24 hr.							
Environment Condition During Testing		Temp. (°C) - 24.9°C Humidity (% RH) - 53 %								Environment Condition During Sampling		Temp. (°C)							
												Min.- 24°C				Max.- 31°C			
												Humidity (% RH)							
												Min.-66 %				Max.-92 %			
Date of Sample Received		19.09.2023								Analysis Duration		19.09.2023 to 21.09.2023							

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	78.23	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	37.98	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	13.90	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	24.67	80	IS 5182 (P-6)

Note:

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 (Ritesh Kurnade) Reviewed By	 For, Bhoomi Envirotech Pvt. Ltd.	 (Meman Kumar Sinha) Authorized Signatory
--	---	--

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

ULR		TC 1 0 2 8 5 2 3 0 0 0 0 0 0 5 6 1 F															
Report No.: BEPLTR20230922AAQ009										Date of Issue: 22.09.2023							
Name and Address of Customer*		Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)															
Lab Sample ID.		BEPL/AAQ/2023091902/003								Customer Sample ID		AAQ-03					
Sample Description*		Ambient Air Sample								Sampling Done By		BEPL Staff					
Sampling Location*		DM Plant Area								Date of Sampling		17.09.2023					
Sampling Method		As Per CPCB Guideline (Vol.1)								Duration of Sampling		24 hr.					
Environment Condition During Testing		Temp. (°C) - 24.9°C Humidity (% RH) - 53 %								Environment Condition During Sampling		Temp. (°C)					
												Min.- 24°C			Max.- 31°C		
												Humidity (% RH)					
												Min.- 66 %			Max.- 92 %		
Date of Sample Received		19.09.2023								Analysis Duration		19.09.2023 to 21.09.2023					

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	80.06	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	40.28	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	17.25	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	26.05	80	IS 5182 (P-6)

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.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

ULR	TC	1	0	2	8	5	2	3	0	0	0	0	0	0	5	6	2	F
Report No.: BEPLTR20230922AAQ010										Date of Issue: 22.09.2023								
Name and Address of Customer*		Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)																
Lab Sample ID.		BEPL/AAQ/2023091902/004								Customer Sample ID		AAQ-04						
Sample Description*		Ambient Air Sample								Sampling Done By		BEPL Staff						
Sampling Location*		Near Automobile Area								Date of Sampling		17.09.2023						
Sampling Method		As Per CPCB Guideline (Vol.1)								Duration of Sampling		24 hr.						
Environment Condition During Testing		Temp. (°C) - 24.9°C Humidity (% RH) - 53 %								Environment Condition During Sampling		Temp. (°C)						
												Min.- 24°C Max.- 31°C						
												Humidity (% RH)						
												Min.-66 % Max.-92 %						
Date of Sample Received		19.09.2023								Analysis Duration		19.09.2023 to 21.09.2023						

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	82.55	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	39.36	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	19.57	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28.35	80	IS 5182 (P-6)

Note:

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--	---

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

Report No.:BEPLTR20230922FE004		Date of Issue:22.09.2023	
Name and Address of Customer*	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/FE/20230919/005-008	Customer Sample ID*	FE-01-04
Sample Description*	Fugitive Emission Monitoring	Sample Collected By	BEPL Staff
Date of Sampling	07.09.2023	Duration of Sampling	4 hr.
Environment Condition for Laboratory Testing	Temp. (°C) - 24.8°C Humidity (% RH)- 52 %	Environment Condition During Sampling	Temp. (°C)
			Min.- 24°C Max.- 32°C
			Humidity(% RH)
			Min.-68 % Max.-85 %
Sample Quantity Received	4	Weather Condition- Partly Sunny	
Date of Sample Received	08.09.2023	Analysis Duration	08.09.2023 to 09.09.2023

ANALYSIS RESULT

Sr. No.	Sampling Location	Unit	Test Method	Suspended Particulate Matter (SPM)
1	Near Raw Material Area	µg/m3	IS : 5182 (Part-4)	470.5
2	Product Processing Area			415.6
3	Crusher Area			507.2
4	Near CCM			451.8
CPCB Standards				2000

Remark:

Note:

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-------------------------------------	---

*****End of test report*****

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

Report No.:BEPLTR20230922N003		Date of Issue:22.09.2023	
Name and Address of Customer*	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/N/20230919/001-004	Customer Sample ID*	N-01-04
Sample Description*	Ambient Noise	Monitoring Done By	BEPL Staff
Monitoring Procedure	As Per IS 9999 & CPCB Guidelines		
Weather Condition	Sunny	Environment Condition During Sampling	Temp. (°C)
			Min.- 24°C Max.- 32°C
Date of Sampling	17.09.2023	Duration of Sampling	Humidity(% RH)
			Min.-68 % Max.-85 %
			24 hr.

MONITORING RESULT OF NOISE LEVEL

Sr. No.	Location	Observed Value dB(A)	
		Day Time	Night Time
1	Boiler Area	73.9	62.0
2	SMS Area	70.5	61.7
3	Crusher Area	73.6	62.2
4	Near Store Room Area	72.0	60.4
Limit as per CPCB Standard (Industrial Area)			
Day Time - 75		Night Time - 70	

Note:

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.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

ULR										TC 1 0 2 8 5 2 3 0 0 0 0 0 5 6 3 F									
Report No.: BEPLTR20230922ST011										Date of Issue: 22.09.2023									
Name and Address of Customer*										Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)									
Lab Sample ID.										BEPL/ST/2023091902/005									
Sample Description*										Stack									
Sampling Location*										Kiln Stack									
Environment Condition During Testing										Temp. (°C) - 24.9°C Humidity (% RH) - 53 %									
Sampling Method										As Per CPCB Guideline (LATS/80/2013-2014)									
Date of Sample Received										19.09.2023									
Customer Sample ID*										ST-01									
Sampling Done By										BEPL Staff									
Date of Sampling										17.09.2023									
Temp. (°C)										Min.- 24°C Max.- 31°C									
Humidity (% RH)										Min.-66 % Max.-92 %									
Weather Condition-										Partly Sunny									
Analysis Duration										19.09.2023 to 20.09.2023									

ANALYSIS RESULT

Stack Attached to : Kiln 100 TPD x 2 with WHRB
Type of fuel used : Coal, Dolomite & Iron Ore
Stack height above the ground : 48 mtr.
Stack Inner dia at Port Hole : 1.3 mtr
Material of construction : MS
Time of Sampling (in Minute) : 34 Minute
Attached APCS : ESP
Ambient Temperature : 31°C
Flue Gas Temperature : 133°C
Velocity of Flue Gas : 9.1 m/s
Quantity of Emission : 31559.7 Nm³/hr

Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	38.31	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	48.0	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NO _x as NO ₂)	mg/Nm ³	35.57	--	IS 11255 (P-7)

Note:

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---	--

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

ULR	TC	1	0	2	8	5	2	3	0	0	0	0	0	5	6	4	F
Report No.: BEPLTR20230922ST012										Date of Issue: 22.09.2023							
Name and Address of Customer*		Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)															
Lab Sample ID.	BEPL/ST/2023091902/006										Customer Sample ID*	ST-02					
Sample Description*	Stack										Sampling Done By	BEPL Staff					
Sampling Location*	Power Plant										Date of Sampling	17.09.2023					
Environment Condition During Testing	Temp. (°C) - 24.9°C										Environment Condition During Sampling	Temp. (°C)					
	Humidity (% RH) - 53 %											Min.- 24°C Max.- 31°C					
												Humidity (% RH)					
												Min.-66 % Max.-92 %					
										Weather Condition- Partly Sunny							
Sampling Method	As Per CPCB Guideline (LATS/80/2013-2014)																
Date of Sample Received	19.09.2023										Analysis Duration	19.09.2023 to 20.09.2023					

ANALYSIS RESULT

Stack Attached to	: Kiln 100 TPD x 2 with FBC & WHRB
Type of fuel used	: Coal, Char and Dolochar
Stack height above the ground	: 60 mtr.
Stack Inner dia at Port Hole	: 3.8 mtr
Material of construction	: RCC
Time of Sampling (in Minute)	: 33 Minute
Attached APCS	: ESP
Ambient Temperature	: 31°C
Flue Gas Temperature	: 140°C
Velocity of Flue Gas	: 9.7 m/s
Quantity of Emission	: 283346.4 Nm ³ /hr

Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	33.33	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	64.50	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NOx as NO ₂)	mg/Nm ³	49.79	--	IS 11255 (P-7)

Note:

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-------------------------------------	---

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

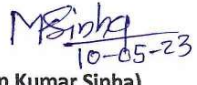
Report No.:BEPLTR20230510AAQ001		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/AAQ/20230505/001	Customer Sample ID	AAQ-01
Sample Description	Ambient Air Sample	Sampling Done By	BEPL Staff
Sampling Location	Near Admin Office	Date of Sampling	04.05.2023
Sampling Method	As Per CPCB Guideline (Vol.1)	Duration of Sampling	24 hr.
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 07.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	78.24	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	40.12	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	17.25	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	24.20	80	IS 5182 (P-6)

Note:

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--	--

.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

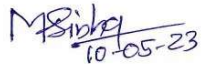
Report No.:BEPLTR20230510AAQ002		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/AAQ/20230505/002	Customer Sample ID	AAQ-02
Sample Description	Ambient Air Sample	Sampling Done By	BEPL Staff
Sampling Location	Near Store Room Area	Date of Sampling	04.05.2023
Sampling Method	As Per CPCB Guideline (Vol.1)	Duration of Sampling	24 hr.
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 07.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	81.39	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	41.30	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	15.04	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28.85	80	IS 5182 (P-6)

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*****End of test report*****

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

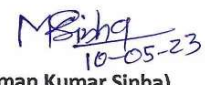
Report No.:BEPLTR20230510AAQ003		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/AAQ/20230505/003	Customer Sample ID	AAQ-03
Sample Description	Ambient Air Sample	Sampling Done By	BEPL Staff
Sampling Location	DM Plant Area	Date of Sampling	04.05.2023
Sampling Method	As Per CPCB Guideline (Vol.1)	Duration of Sampling	24 hr.
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 07.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	84.10	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	42.04	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	18.13	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	26.09	80	IS 5182 (P-6)

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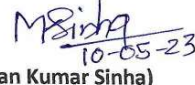
Report No.:BEPLTR20230510AAQ004		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/AAQ/20230505/004	Customer Sample ID	AAQ-04
Sample Description	Ambient Air Sample	Sampling Done By	BEPL Staff
Sampling Location	Near Automobile Area	Date of Sampling	04.05.2023
Sampling Method	As Per CPCB Guideline (Vol.1)	Duration of Sampling	24 hr.
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling	Temp. (°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 07.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limit (As per NAAQS)	Method Reference
1	Particulate Matter (PM ₁₀)	µg/m ³	86.14	100	IS 5182 (P-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	40.60	60	IS 5182 (P-24)
3	Sulphur Dioxide (SO ₂)	µg/m ³	20.02	80	IS 5182 (P-2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	30.71	80	IS 5182 (P-6)

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TEST REPORT

Report No.: BEPLTR20230510FE006		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/FE/20230505/009-012	Customer Sample ID	FE-01-04
Sample Description	Fugitive Emission Monitoring	Sample Collected By	BEPL Staff
Date of Sampling	04.05.2023	Duration of Sampling	4 hr.
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling*	Temp. (°C) - 30°C Humidity(% RH)- 80% Weather Condition- Partly Sunny
Sample Quantity Received	4		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 To 06.05.2023

ANALYSIS RESULT

Sr. No.	Sampling Location	Unit	Test Method	Suspended Particulate Matter (SPM)
1	Near Raw Material Area	µg/m3	IS : 5182 (Part-4)	481.5
2	Product Processing Area			450.7
3	Crusher Area			532.6
4	Near CCM			470.3
CPCB Standards				2000

Remark:

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Compliance Period: - October 2022 – March 2023



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TEST REPORT

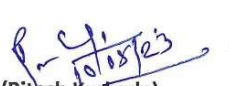
Report No.:BEPLTR20230510N005		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/N/20230505/005-008	Customer Sample ID	N-01-04
Sample Description	Ambient Noise	Monitoring Done By	BEPL Staff
Monitoring Procedure	As Per IS 9989 & CPCB Guidelines	Weather Condition	Sunny
Date of Sampling	04.05.2023	Duration of Sampling	24 hr.

ANALYSIS RESULT

Sr. No.	Location	Observed Value dB(A)	
		Day Time	Night Time
1	Boiler Area	73.6	62.0
2	SMS Area	71.8	60.9
3	Crusher Area	74.0	62.5
4	Near Store Room Area	71.5	61.3
Limit as per CPCB Standard (Industrial Area)			
Day Time - 75		Night Time - 70	

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*****End of test report*****

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TEST REPORT

Report No.:BEPLTR20230510ST009		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/ST/20230505/015	Customer Sample ID	ST-01
Sample Description	Stack	Sampling Done By	BEPL Staff
Sampling Location	Kiln Stack	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 56 %	Environment Condition During Sampling	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sampling Method	As Per CPCB Guideline (LATS/80/2013-2014)		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 06.05.2023

ANALYSIS RESULT

Stack Attached to	: Kiln 100 TPD x 2 with WHRB				
Type of fuel used	: Coal, Dolomite & Iron Ore				
Stack height above the ground	: 48 mtr.				
Stack Inner dia at Port Hole	: 1.3 mtr				
Material of construction	: MS				
Time of Sampling (in Minute)	: 40 Minute				
Attached APCS	: ESP				
Ambient Temperature	: 31°C				
Flue Gas Temperature	: 159°C				
Velocity of Flue Gas	: 8.5 m/s				
Quantity of Emission	: 27815.5 Nm ³ /hr				
Sr. No.	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	35.52	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	52.36	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NO _x as NO ₂)	mg/Nm ³	39.67	--	IS 11255 (P-7)

Note:

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EC Compliance Report
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TEST REPORT

Report No.:BEPLTR20230510ST010		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/ST/20230505/016	Customer Sample ID	ST-02
Sample Description	Stack	Sampling Done By	BEPL Staff
Sampling Location	Power Plant	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 56 %	Environment Condition During Sampling	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sampling Method	As Per CPCB Guideline (LATS/80/2013-2014)		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 06.05.2023

ANALYSIS RESULT

Stack Attached to	: Kiln 100 TPD x 2 with FBC & WHRB
Type of fuel used	: Coal, Char and Dolochar
Stack height above the ground	: 60 mtr.
Stack Inner dia at Port Hole	: 3.8 mtr
Material of construction	: RCC
Time of Sampling (in Minute)	: 35 Minute
Attached APCS	: ESP
Ambient Temperature	: 31°C
Flue Gas Temperature	: 141°C
Velocity of Flue Gas	: 9.5 m/s
Quantity of Emission	: 276833.9 Nm ³ /hr

Sr. No.	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	30.97	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	69.18	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NO _x as NO ₂)	mg/Nm ³	45.14	--	IS 11255 (P-7)

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*****End of test report*****

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TEST REPORT

Report No.: BEPLTR20230510GW007		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/GW/20230505/013	Customer Sample ID	GW-01
Sample Description	Ground Water (Borewell Water)	Sample Collected By	BEPL Staff
Sampling Location	Near Brick Production	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling*	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sample Quantity Received	5 Ltr.		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 10.05.2023

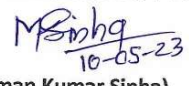
ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limits as per IS 10500:2012		Method Reference
				Acceptable	Permissible	
1	pH at 25°C	-	6.97	6.5 - 8.5	No Relaxation	IS 3025 (P-11)
2	Total Dissolved Solid (TDS)	mg/Lit	134.0	500	2000	IS 3025 (P-16)
3	Total Hardness (as CaCO ₃)	mg/Lit	58.0	200	600	IS 3025 (P-21)
4	Calcium (as Ca)	mg/Lit	18.4	75	200	IS 3025 (P-40)
5	Magnesium (as Mg)	mg/Lit	2.9	30	100	IS 3025 (P-46)
6	Total Alkalinity	mg/Lit	40.0	200	600	IS 3025 (P-23)
7	Chloride (as Cl)	mg/Lit	35.9	250	1000	IS 3025 (P-32)
8	Sulphate (as SO ₄)	mg/Lit	6.7	200	400	IS 3025 (P-24)

Remark: mg/Lit- milligram per liter

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TEST REPORT

Report No.: BEPLTR20230510GW007A		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/GW/20230505/013	Customer Sample ID	GW-01
Sample Description	Ground Water (Borewell Water)	Sample Collected By	BEPL Staff
Sampling Location	Near Brick Production	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling*	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sample Quantity Received	5 Ltr.		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 10.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Limits as per IS 10500:2012		Method Reference
				Acceptable	Permissible	
1	Colour	Hazen	<1	5	15	IS 3025 (P-4)
2	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-7&8)
3	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-5)
4	Turbidity	NTU	<1	1	5	IS 3025 (P-10)
5	Free Residual Chlorine	mg/Lit	N.D.	0.2	1	IS 3025 (P-26)
6	Chloramines (as Cl ₂)	mg/Lit	N.D.	4	No Relaxation	IS 3025 (P-26)
7	Nitrate (NO ₃)	mg/Lit	0.31	45	No Relaxation	IS 3025 (P-34)
8	Ammonia (as Total Ammonia-N)	mg/Lit	N.D.	0.5	No Relaxation	IS 3025 (P-34)
9	Boron (as B)	mg/Lit	N.D.	0.5	1	IS 3025 (P-57)
10	Barium (as Ba)	mg/Lit	N.D.	0.7	No Relaxation	IS 13428 (Annx.-K)
11	Iron (as Fe)	mg/Lit	0.021	0.3	No Relaxation	IS 3025 (P-53)
12	Fluoride (as F)	mg/Lit	0.16	1	1.5	IS 3025 (P-60)
13	Manganese (as Mn)	mg/Lit	N.D.	0.1	0.3	IS 3025 (P-59)
14	Lead (as Pb)	mg/Lit	N.D.	0.01	No Relaxation	IS 3025 (P-47)
15	Zinc (as Zn)	mg/Lit	0.05	5	15	IS 3025 (P-49)

MS Singh
10-05-23



EC Compliance Report
Compliance Period: - October 2022 – March 2023



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Report No.: BEPLTR20230510GW007A Cont..

16	Copper (as Cu)	mg/Lit	N.D.	0.05	1.5	IS 3025(P-42)
17	Cadmium (as Cd)	mg/Lit	N.D.	0.003	No Relaxation	IS 3025(P-41)
18	Aluminium (as Al)	mg/Lit	N.D.	0.03	0.2	IS 3025(P-55)
19	Nickel (as Ni)	mg/Lit	N.D.	0.02	No Relaxation	IS 3025(P-54)
20	Mercury (as Hg)	mg/Lit	N.D.	0.001	No Relaxation	IS 3025(P-48)
21	Arsenic (as As)	mg/Lit	N.D.	0.01	0.05	IS 3025(P-37)
22	Selenium (as Se)	mg/Lit	N.D.	0.01	No Relaxation	IS 3025(P-56)
23	Silver (as Ag)	mg/Lit	N.D.	0.1	No Relaxation	IS 13428 (Annx.-J)
24	Chromium (as Cr)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-52)
25	Sulphide (as H ₂ S)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-29)
26	Molybdenum(as Mo)	mg/Lit	N.D.	0.07	No Relaxation	IS 3025(P-02)
27	Cyanide (as CN)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-27)
28	Anionic Detergent (as MBAS)	mg/Lit	N.D.	0.2	1	IS 13428 (Annx.-K)
29	Phenolic Compound(as C ₆ H ₅ OH)	mg/Lit	N.D.	0.001	0.002	IS 3025(P-43)
30	Polychlorinated Biphenyls	mg/Lit	N.D.	0.0005	No Relaxation	ASTM 5175
31	Poly Aromatic Hydrocarbons (as PAH)	mg/Lit	N.D.	0.0001	No Relaxation	APHA 6440
32	Mineral Oil	mg/Lit	N.D.	0.5	No Relaxation	IS 3025(P-39)
33	Total Coliforms	CFU/100ml	Absent	Shall not be detectable in 100 ml		APHA 22nd Ed.2012, 9921-B & C, 9-66 & 69
34	E . Coli	CFU/100ml	Absent	Shall not be detectable in 100 ml		APHA 22nd Ed.2012, 9921-B & C, 9-66 & 69

Remark: mg/Lit - milligram per liter, N.D. - Not Detected, CFU- Coliform Unit.

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 Reviewed By	 For, Bhoomi Envirotech Pvt. Ltd. (Meman Kumar Sinha) Authorized Signatory
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.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



Bhoomi Envirotech Pvt. Ltd.

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TEST REPORT

Report No.: BEPLTR20230510SW008		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/SW/20230505/014	Customer Sample ID	SW-01
Sample Description	River Water	Sample Collected By	BEPL Staff
Sampling Location	--	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH) - 55 %	Environment Condition During Sampling*	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sample Quantity Received	5 Ltr.		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 10.05.2023

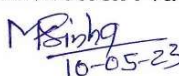
ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Tolerance Limits as per IS 2296 Class C	Method Reference
1	pH at 25°C	-	6.85	8.5	IS 3025 (P-11)
2	Total Dissolved Solid (TDS)	mg/Lit	87.0	1500	IS 3025 (P-16)
3	Total Hardness (as CaCO ₃)	mg/Lit	36.0	--	IS 3025 (P-21)
4	Calcium (as Ca)	mg/Lit	7.2	--	IS 3025 (P-40)
5	Magnesium (as Mg)	mg/Lit	4.4	--	IS 3025 (P-46)
6	Total Alkalinity	mg/Lit	28.0	--	IS 3025 (P-23)
7	Chloride (as Cl)	mg/Lit	27.2	600	IS 3025 (P-32)
8	Sulphate (as SO ₄)	mg/Lit	0.84	400	IS 3025 (P-24)

Remark: mg/Lit- milligram per liter

Note:

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- Asterisk mark(*) provided by the customer
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 (Ritesh Kurhade) Reviewed By	 For, Bhoomi Envirotech Pvt. Ltd.  (Meman Kumar Sinha) Authorized Signatory
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.....End of test report.....

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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TEST REPORT

Report No.:BEPLTR20230510SW008A		Date of Issue: 10.05.2023	
Name and Address of Customer	Sky Alloys & Power Private Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		
Lab Sample ID	BEPL/SW/20230505/014	Customer Sample ID	SW-01
Sample Description	River Water	Sample Collected By	BEPL Staff
Sampling Location	--	Date of Sampling	04.05.2023
Environment Condition During Testing	Temp. (°C) - 24.9°C Humidity (% RH)- 55 %	Environment Condition During Sampling*	Temp.(°C) - 30°C Humidity(% RH)- 70% Weather Condition- Partly Sunny
Sample Quantity Received	5 Ltr.		
Date of Sample Received	05.05.2023	Analysis Duration	05.05.2023 to 10.05.2023

ANALYSIS RESULT

Sr. No.	Parameter	Unit	Result	Tolerance Limits as per IS 2296 Class C	Method Reference
1	Colour	Hazen	<1	300	IS 3025 (P-4)
2	Taste	-	Agreeable	--	IS 3025 (P-7&8)
3	Odour	-	Agreeable	--	IS 3025 (P-5)
4	Turbidity	NTU	<1	--	IS 3025 (P-10)
5	Free Residual Chlorine	mg/Lit	N.D.	--	IS 3025 (P-26)
6	Chloramines (as Cl ₂)	mg/Lit	N.D.	--	IS 3025 (P-26)
7	Nitrate (NO ₃)	mg/Lit	0.28	50	IS 3025 (P-34)
8	Ammonia (as Total Ammonia-N)	mg/Lit	N.D.	--	IS 3025 (P-34)
9	Boron (as B)	mg/Lit	N.D.	--	IS 3025 (P-57)
10	Barium (as Ba)	mg/Lit	N.D.	--	IS 13428 (Annx.-K)
11	Iron (as Fe)	mg/Lit	0.024	50	IS 3025 (P-53)
12	Fluoride (as F)	mg/Lit	0.17	1.5	IS 3025 (P-60)
13	Manganese (as Mn)	mg/Lit	N.D.	--	IS 3025 (P-59)
14	Lead (as Pb)	mg/Lit	N.D.	0.1	IS 3025 (P-47)
15	Zinc (as Zn)	mg/Lit	0.04	15	IS 3025 (P-49)

M Singh
10-05-23

EC Compliance Report
Compliance Period: - October 2022 – March 2023



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Report No. BEPLTR20230510SW008A Cont..

16	Copper (as Cu)	mg/Lit	N.D.	1.5	IS 3025 (P-42)
17	Cadmium (as Cd)	mg/Lit	N.D.	0.01	IS 3025 (P-41)
18	Aluminium (as Al)	mg/Lit	N.D.	--	IS 3025 (P-55)
19	Nickel (as Ni)	mg/Lit	N.D.	--	IS 3025 (P-54)
20	Mercury (as Hg)	mg/Lit	N.D.	--	IS 3025 (P-48)
21	Arsenic (as As)	mg/Lit	N.D.	0.2	IS 3025 (P-37)
22	Selenium (as Se)	mg/Lit	N.D.	0.05	IS 3025 (P-56)
23	Silver (as Ag)	mg/Lit	N.D.	--	IS 13428 (Annx. -J)
24	Chromium (as Cr)	mg/Lit	N.D.	0.05	IS 3025 (P-52)
25	Sulphide (as H ₂ S)	mg/Lit	N.D.	--	IS 3025 (P-29)
26	Molybdenum (as Mo)	mg/Lit	N.D.	--	IS 3025 (P-02)
27	Cyanide (as CN)	mg/Lit	N.D.	0.05	IS 3025 (P-27)
28	Anionic Detergent (as MBAS)	mg/Lit	N.D.	1	IS 13428 (Annx. -K)
29	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	N.D.	--	IS 3025 (P-43)
30	Polychlorinated Biphenyls	mg/Lit	N.D.	--	ASTM 5175
31	Poly Aromatic Hydrocarbons (as PAH)	mg/Lit	N.D.	--	APHA 6440
32	Mineral Oil	mg/Lit	N.D.	--	IS 3025 (P-39)
33	Total Coliforms	CFU/ 100ml	Absent	5000	APHA 22nd Ed. 2012, 9921- B & C, 9-66 & 69
34	E . Coli	CFU/ 100ml	Absent	--	APHA 22nd Ed. 2012, 9921- B & C, 9-66 & 69

Remark: mg/Lit – milligram per liter, N.D. – Not Detected, CFU- Coliform Unit.

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Ritesh Kurnhade
(Ritesh Kurnhade)
Reviewed By



For, Bhoomi Envirotech Pvt. Ltd.

M. Sinha
10-05-23
(Meman Kumar Sinha)
Authorized Signatory

*****End of test report*****