

EC COMPLIANCE REPORT

(October 2022 – March 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 **October 2022 – March 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 prone area 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. PP has been maintaining good greenery all around the plant premises. Photos of Green Belt are enclosed as Annexure – III . Details of Green belt are enclosed as Annexure – IV .

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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 treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and zero	Complied. We have obtained Permission from the Water Resources Department, Government of Chhattisgarh. Copy is attached as Annexure – VI . Closed cooling circuit has been implemented to reduce fresh water consumption.

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	discharged shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit.	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 PP.
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 company 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 the water consumption within prescribed for the steel plants.
x.	All the Coal fines, char from DRI plant 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	Complied All the other solid waste including broken refractory mass is properly disposed off in environment-friendly manner.

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	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.	
xii.	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.
xiii.	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.
xiv.	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.
xv.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB.	Complied. Solid wastes are stored at designated platforms above ground level.
xvi.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Agreed and complied.
xvii.	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	We have consented to comply. Risk and Disaster Management Plan along with the mitigation measures has been prepared.

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	issue of environment clearance letter.	
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 allocated and information submitted to the Ministry's Regional Office at Bhopal.	Complied.
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	Not Applicable

	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.	
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.
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	Being complied.

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	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).	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.
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	Complied

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	any other purpose.	
xii.	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
xiii.	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 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.	We have uploaded our EC and six monthly compliance in our website skyalloy.co.in
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 CWCB. The Regional Office of this Ministry at Bhopal/CPCB/CECB shall	Complied

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	monitor the stipulated conditions.	
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 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.	Complied
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	Agreed

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	(Management, Handling & Trans boundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendment and rules.	
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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 locations 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. Noida Monitoring Ing Laboratories 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:

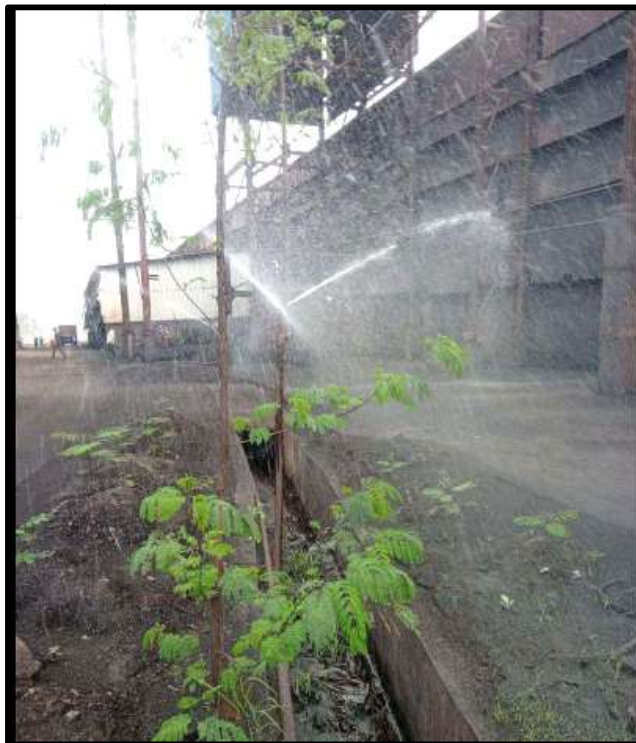
PM₁₀: 100 µg/m³,

PM_{2.5}: 60 µg/m³

SO₂: 80 µg/m³ and

NO₂: 80 µg/m³

ANNEXURE I: WATER SPRINKLING OVER THE ROAD



ANNEXUREII: INTERNAL ROAD



ANNEXURE III: GREEN BELT





ANNEXURE IV: GREEN BELT DETAILS

Sent by mail - 28/12/23

CIN : Y27100

SAPL **SKY ALLOYS AND POWER LI**

सेवा में,

श्रीमान् क्षेत्रीय अधिकारी
छ.ग. पर्यावरण संरक्षण मंडल,
जिला - रायगढ़ (छ.ग.)

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

होदय,

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

क्र.	उद्योग का नाम	उद्योग का क्षेत्रफल	उद्योग में वृक्षारोपण हेतु क्षेत्रफल	उद्योग में किये गए वृक्षारोपण का वास्तविक क्षेत्रफल	उद्योग में किये गए वृक्षारोपण की कुल संख्या (२०२१-२०२२)	उद्योग में 31/01/2023 जीवित वृक्षों की संख्या (२०२१-२०२२)	पर्यावरण स्वच्छता आ वृक्षारोपण किये गए
01	स्काई अलॉयज एंड पावर लिमिटेड विलेज - टेमटेमा, खरसिया, रायगढ़.	75.41 एकण	25.25 एकण	25.00 एकण	12500	10560	450

धन्यवाद,

भवदीय

ANNEXURE V: 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 21/09/2010

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 उद्वहन 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-साइक्लिंग 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 27/09/2010
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 (रिणुका 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 पावर 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।


27/9/2020
विशेष कर्तव्यस्थ अधिकारी
जल संसाधन विभाग,
मंत्रालय, रायपुर

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

कम्प्यूटर द्वारा मुद्रित होने पर ही वैध
VALID ONLY IF COMPUTER PRINTED

केवल छः महीनों के लिये ही वैध
VALID FOR SIX MONTHS ONLY

भारतीय स्टेट बैंक
State Bank of India

बैंकर्स चेक
BANKERS CHEQUE

दिनांक/DATE: 31/07/2023
Key: RODFEN
Sr. No: 47415

EXECUTIVE ENGINEER WATAR RESOURCES DIVISION

PAISE ZERO ONLY

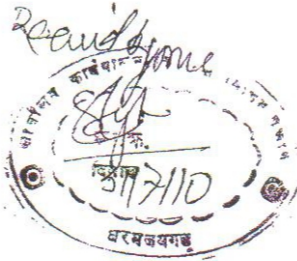
अंशक/AMOUNT: 850000/7741
अंशक/AMOUNT: 850000/7741

शरीफ फौजदार
SHARAD FOZDAR

प्रमाणित हस्ताक्षरकर्ता / AUTHORISED SIGNATORY
(हस्ताक्षर नमूना क्र० / S.S. NO.)

शरीफ फौजदार / BRANCH MANAGER
(हस्ताक्षर नमूना क्र० / S.S. NO.)

424217 0000020001 000157 17 F-167



ANNEXURE VII: RAINWATER HARVESTING STRUCTURE



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

ANNEXURE VIII: FLY ASH DETAILS

Sent By mail

CIN : U27100CT

SKY ALLOYS & POWER (P) LTD.

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

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

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	TOTAL CONSUMPTION	CLOSING BALANCE
Apr-21	0.00	2260	1311	949	0	0	2260	0

Thank you D.

Yours Faithfully

For- SKY ALLOYS AND POWER P LTD.

ot

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

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

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

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	TOTAL CONSUMPTION	CLOSING BALANCE
Apr-20	0.00	0	0	0	0	0	0	0
May-20	0.00	2660	1729	452	479	2660	0	0
Jun-20	0.00	2590	1684	440	466	2590	0	0
Jul-20	0.00	2570	1208	1362	0	0	2570	0
Aug-20	0.00	2630	1236	1394	0	0	2630	0
Sep-20	0.00	2545	1196	1349	0	0	2545	0
Oct-20	0.00	2460	1156	1304	0	0	2460	0
Nov-20	0.00	2530	1189	1341	0	0	2530	0
Dec-20	0.00	2310	1086	1224	0	0	2310	0
Jan-21	0.00	2250	1058	1193	0	0	2250	0
Feb-21	0.00	1530	719	811	0	0	1530	0
Mar-21	0.00	2645	1243	1402	0	0	2645	0

Thank you

Yours Faithfully

For- SKY ALLOYS AND POWER P LTD.

Sent By mail

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

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

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

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	TOTAL CONSUMPTION	CLOSING BALANCE
May-21	0.00	2470	1161	1309	0	0	2470	0

Thank you

Yours Faithfully

For- SKY ALLOYS AND POWER P LTD.

Sent By mail

CIN : U27100CT2009PTC021184

SKY ALLOYS & POWER (P) LTD.

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

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

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	TOTAL CONSUMPTION	CLOSING BALANCE
Jun-21	0.00	1960	921	1039	0	0	1960	0

Thank you

Yours Faithfully

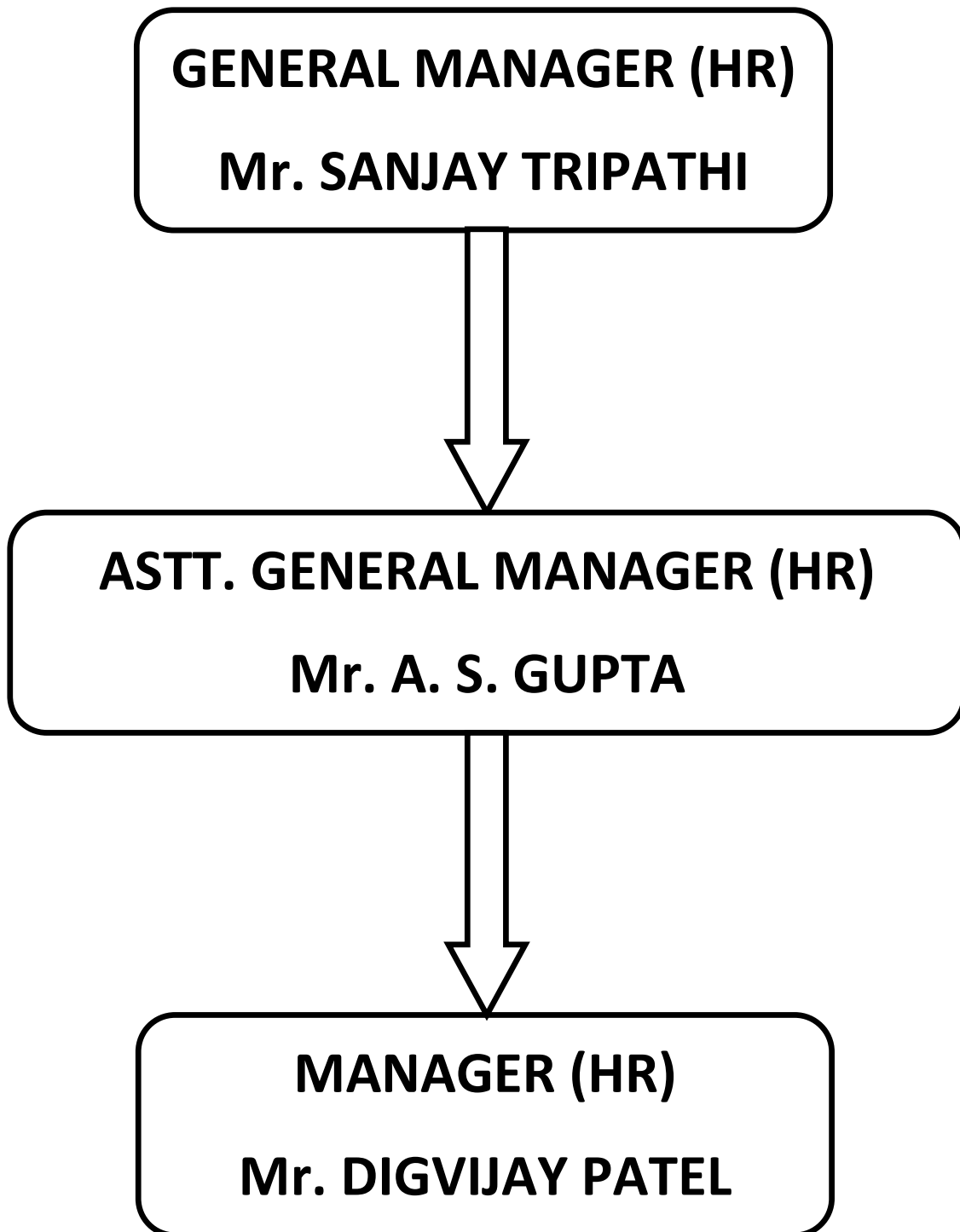
For- SKY ALLOYS AND POWER P LTD.

ANNEXURE IX: PHOTOS OF CSR





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)

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><tr><th>Name of Product</th><th>Production Capacity</th></tr><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></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

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 quantum) 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 Report

November 2022



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TEST CERTIFICATE

Report No: AAQ-071122-001		Date of Report		12.11.2022	
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Sample Details		Ambient Air	
		Lab. Ref. No.		NTL/LAB/027	
		Date of Sampling		02.11.2022	
		Sample Collected By		Lab Representative	
		Date of Sample Received		07.11.2022	
		Start Date of Analysis		07.11.2022	
		End Date of Analysis		10.11.2022	
Ambient Air Analysis Report					
Sr. No.	Sampling Location	PM10 in $\mu\text{g}/\text{m}^3$	PM2.5 in $\mu\text{g}/\text{m}^3$	SO2 in $\mu\text{g}/\text{m}^3$	NO2 in $\mu\text{g}/\text{m}^3$
		TEST METHOD			
		IS:5182 (Part - 23) :2006, RA-2017	USEPA CFR-40, Part-50, Appendix-L	IS:5182 (Part-2) :2001, RA-2017	IS:5182 (Part-6) :2006, RA-2017
		LIMITS AS PER NAAQS			
		100	60	80	80
1	Near Admin Office	76.6	37.2	17.5	23.8
2	Near Store Room Area	81.3	40.2	14.7	28.0
3	DM Plant Area	83.6	41.1	18.0	26.4
4	Near Automobile Area	85.3	43.7	20.2	29.9
Remark- All above results are within National Ambient Air Quality standards (NAAQS).					
ANALYZED BY- Ajali			AUTHORIZED SIGNATORY 		

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

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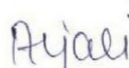
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Analyzing for an Assured Future

TEST CERTIFICATE

Report No: F-071122-002		Date of Report		12.11.2022
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Sample Details		Fugitive Emission Monitoring
		Lab. Ref. No.		NTL/LAB/028
		Date of Sampling		02.11.2022
		Sample Collected By		Lab Representative
		Date of Sample Received		07.11.2022
		Start Date of Analysis		07.11.2022
		End Date of Analysis		08.11.2022
Fugitive Emission Monitoring Report				
Sr. No.	Sampling Location	Unit	Test Method	Suspended Particulate Matter (SPM)
1	Near Raw Material Area	μg/m ³	IS : 5182 (Part-4)	455
2	Product Processing Area			423
3	Crusher Area			497
4	Near CCM			465
CPCB Standards				2000
ANALYZED BY-			AUTHORIZED SIGNATORY	
				

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Analyzing for an Assured Future

TEST CERTIFICATE

Report No: N-071122-003		Date of Report	12.11.2022
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Date of Sampling	02.11.2022
		Sample Details	Noise Monitoring
		Lab. Ref. No.	NTL/LAB/029
Noise Monitoring Report			
Sr. No.	Location	Result dB(A)	
		Day Time	Night Time
1	Boiler Area	73.0	62.3
2	SMS Area	70.8	60.2
3	Crusher Area	73.8	64.0
4	Near Store Room Area	71.9	62.5
CPCB Standard			
	Residential Area	55	45
	Industrial Area	75	70
	Commercial Area	65	55
Remark- The above results are within the prescribed limits by CPCB.			
ANALYZED BY- Ayjalei		AUTHORIZED SIGNATORY 	

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TEST CERTIFICATE

Report No: S-071122-004 Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)	Date of Report : 12.11.2022 Sample Details : Stack Lab. Ref. No. : NTL/LAB/030 Date of Sampling : 02.11.2022 Sample Collected By : Lab Representative Date of Sample Received : 07.11.2022 Start Date of Analysis : 07.11.2022 End Date of Analysis : 09.11.2022 Sample Location : Kiln Stack				
Source Emission Analysis Report					
Stack Attached to : 2X100 TPD Kiln with 2 TPH WHRB Type of fuel used : Coal, Dolomite & Iron Ore Stack height above the ground : 48 mtr Stack dia at top : 1.3 mtr Material of construction : MS Normal operation schedule : 24 hr Attached APCS : ESP Ambient Temperature : 28°C Flue Gas Temperature : 148°C Velocity of Flue Gas : 9.2 m/s Quantity of Emission : 31200.5 Nm ³ /hr					
Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	33.88	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	50.26	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NOx as NO ₂)	mg/Nm ³	41.20	--	IS 11255 (P-7)
Remark(s) : All above results are well within the consent Limit.					
ANALYZED BY Ayiaeli			AUTHORIZED SIGNATORY- 		

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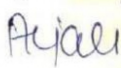
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TEST CERTIFICATE

Report No: S-071122-005 Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Date of Report</td><td>12.11.2022</td></tr> <tr><td>Sample Details</td><td>Stack</td></tr> <tr><td>Lab. Ref. No.</td><td>NTL/LAB/031</td></tr> <tr><td>Date of Sampling</td><td>02.11.2022</td></tr> <tr><td>Sample Collected By</td><td>Lab Representative</td></tr> <tr><td>Date of Sample Received</td><td>07.11.2022</td></tr> <tr><td>Start Date of Analysis</td><td>07.11.2022</td></tr> <tr><td>End Date of Analysis</td><td>09.11.2022</td></tr> <tr><td>Sample Location</td><td>Power Plant</td></tr> </table>	Date of Report	12.11.2022	Sample Details	Stack	Lab. Ref. No.	NTL/LAB/031	Date of Sampling	02.11.2022	Sample Collected By	Lab Representative	Date of Sample Received	07.11.2022	Start Date of Analysis	07.11.2022	End Date of Analysis	09.11.2022	Sample Location	Power Plant
Date of Report	12.11.2022																		
Sample Details	Stack																		
Lab. Ref. No.	NTL/LAB/031																		
Date of Sampling	02.11.2022																		
Sample Collected By	Lab Representative																		
Date of Sample Received	07.11.2022																		
Start Date of Analysis	07.11.2022																		
End Date of Analysis	09.11.2022																		
Sample Location	Power Plant																		
Source Emission Analysis Report																			
Stack Attached to : Power Plant Type of fuel used : Coal & Char/Dolochar Stack height above the ground : 60 mtr Stack dia at top : 3.8 mtr Material of construction : MS Normal operation schedule : 24 hr Attached APCS : ESP Ambient Temperature : 28°C Flue Gas Temperature : 151°C Velocity of Flue Gas : 10.8 m/s Quantity of Emission : 310354.6 Nm3/hr																			
Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method														
1	Particulate Matter (PM)	mg/Nm ³	28.32	50	IS 11255 (P-1)														
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	65.20	--	IS 11255 (P-2)														
3	Oxides of Nitrogen (NOx as NO ₂)	mg/Nm ³	47.68	--	IS 11255 (P-7)														
Remark(s) : All above results are well within the consent Limit.																			
ANALYZED BY 			AUTHORIZED SIGNATORY- 																

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TEST CERTIFICATE

Report No: W-071122-006	Date of Report	12.11.2022
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)	Sample Details	Borewell Water Near Brick Production
	Lab. Ref. No.	NTL/LAB/032
	Date of Sampling	02.11.2022
	Sample Collected By	Lab Representative
	Date of Sample Received	07.11.2022
	Start Date of Analysis	07.11.2022
	End Date of Analysis	12.11.2022
	Sample Location	Water

Water Analysis Report

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	pH	-	6.82	6.5 - 8.5	No Relaxation	IS 3025(P-11)
6	Free Residual Chlorine	mg/Lit	N.D.	0.2	1	IS 3025(P-26)
7	Total Dissolved Solids	mg/Lit	120.0	500	2000	IS 3025(P-16)
8	Total Alkalinity (as CaCO ₃)	mg/Lit	32.0	200	600	IS 3025(P-23)
9	Total Hardness (as CaCO ₃)	mg/Lit	54.0	200	600	IS 3025(P-21)
10	Calcium (as Ca)	mg/Lit	23.2	75	200	IS 3025(P-40)
11	Magnesium (as Mg)	mg/Lit	3.90	30	100	IS 3025(P-46)
12	Chloride (as Cl)	mg/Lit	36.7	250	1000	IS 3025(P-32)
13	Chloramines(as Cl ₂)	mg/Lit	N.D.	4	No Relaxation	IS 3025(P-26)
14	Sulphate (as SO ₄)	mg/Lit	0.14	200	400	IS 3025(P-24)
15	Nitrate (NO ₃)	mg/Lit	0.21	45	No Relaxation	IS 3025(P-34)
16	Ammonia(as Total Ammonia-N)	mg/Lit	N.D.	0.5	No Relaxation	IS 3025(P-34)
17	Boron (as B)	mg/Lit	N.D.	0.5	1	IS 3025(P-57)
18	Barium (as Ba)	mg/Lit	N.D.	0.7	No Relaxation	IS 13428 (Annex-K)
19	Iron (as Fe)	mg/Lit	0.03	0.3	No Relaxation	IS 3025(P-53)
20	Fluoride (as F)	mg/Lit	0.12	1	1.5	IS 3025(P-60)
21	Manganese (as Mn)	mg/Lit	N.D.	0.1	0.3	IS 3025(P-59)
22	Lead (as Pb)	mg/Lit	N.D.	0.01	No Relaxation	IS 3025(P-47)
23	Zinc (as Zn)	mg/Lit	0.03	5	15	IS 3025(P-49)
24	Copper (as Cu)	mg/Lit	N.D.	0.05	1.5	IS 3025(P-42)

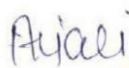
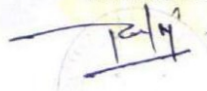
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TEST CERTIFICATE						
25	Cadmium (as Cd)	mg/Lit	N.D.	0.003	No Relaxation	IS 3025(P-41)
26	Aluminium (as Al)	mg/Lit	N.D.	0.03	0.2	IS 3025(P-55)
27	Nickel (as Ni)	mg/Lit	N.D.	0.02	No Relaxation	IS 3025(P-54)
28	Mercury (as Hg)	mg/Lit	N.D.	0.001	No Relaxation	IS 3025(P-48)
29	Arsenic (as As)	mg/Lit	N.D.	0.01	0.05	IS 3025(P-37)
30	Selenium (as Se)	mg/Lit	N.D.	0.01	No Relaxation	IS 3025(P-56)
31	Silver (as Ag)	mg/Lit	N.D.	0.1	No Relaxation	IS 13428 (Annx.-J)
32	Chromium (as Cr)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-52)
33	Sulphide (as H ₂ S)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-29)
34	Molybdenum (as Mo)	mg/Lit	N.D.	0.07	No Relaxation	IS 3025(P-02)
35	Cyanide (as CN)	mg/Lit	N.D.	0.05	No Relaxation	IS 3025(P-27)
36	Anionic Detergent (as MBAS)	mg/Lit	N.D.	0.2	1	IS 13428 (Annx.-K)
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	N.D.	0.001	0.002	IS 3025(P-43)
38	Polychlorinated Biphenyls	mg/Lit	N.D.	0.0005	No Relaxation	ASTM 5175
39	Poly Aromatic Hydrocarbons (as PAH)	mg/Lit	N.D.	0.0001	No Relaxation	APHA 6440
40	Mineral Oil	mg/Lit	N.D.	0.5	No Relaxation	IS 3025(P-39)
Microbiological Analysis						
1	Total Coliforms	CFU/100ml	Absent	Shall not be detectable in 100 ml		APHA 22nd Ed. 2012, 9921-B & C, 9-66 & 69
2	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.						
ANALYZED BY-			AUTHORIZED SIGNATORY			
						
Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301 Branch Office : HARIDWAR RUDRAPUR CHANDIGARH DEHRADUN PUNE E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com						

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TEST CERTIFICATE

Report No: W-071122-007			Date of Report	12.11.2022	
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)			Sample Details	River Water	
			Lab. Ref. No.	NTL/LAB/033	
			Date of Sampling	02.11.2022	
			Sample Collected By	Lab Representative	
			Date of Sample Received	07.11.2022	
			Start Date of Analysis	07.11.2022	
			End Date of Analysis	12.11.2022	
			Nature of sample	Water	
Water Analysis Report					
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	pH	-	7.12	8.5	IS 3025(P-11)
6	Free Residual Chlorine	mg/Lit	N.D.	--	IS 3025(F 26)
7	Total Dissolved Solids	mg/Lit	90.0	1500	IS 3025(P-16)
8	Total Alkalinity (as CaCO3)	mg/Lit	28.0	--	IS 3025(P-23)
9	Total Hardness (as CaCO3)	mg/Lit	40.0	--	IS 3025(P-21)
10	Calcium (as Ca)	mg/Lit	8.0	--	IS 3025(P-40)
11	Magnesium (as Mg)	mg/Lit	4.88	--	IS 3025(P-46)
12	Chloride (as Cl)	mg/Lit	17.9	600	IS 3025(P-32)
13	Chloramines(as Cl2)	mg/Lit	N.D.	--	IS 3025(P-26)
14	Sulphate (as SO4)	mg/Lit	0.49	400	IS 3025(P-24)
15	Nitrate (NO3)	mg/Lit	0.07	50	IS 3025(P-34)
16	Ammonia(as Total Ammonia-N)	mg/Lit	N.D.	--	IS 3025(P-34)
17	Boron (as B)	mg/Lit	N.D.	--	IS 3025(P-57)
18	Barium (as Ba)	mg/Lit	N.D.	--	IS 13428 (Annx.-K)
19	Iron (as Fe)	mg/Lit	0.03	50	IS 3025(P-53)
20	Fluoride (as F)	mg/Lit	0.11	1.5	IS 3025(P-60)
21	Manganese (as Mn)	mg/Lit	N.D.	--	IS 3025(P-59)
22	Lead (as Pb)	mg/Lit	N.D.	0.1	IS 3025(P-47)
23	Zinc (as Zn)	mg/Lit	0.02	15	IS 3025(P-49)
24	Copper (as Cu)	mg/Lit	N.D.	1.5	IS 3025(P-42)
25	Cadmium (as Cd)	mg/Lit	N.D.	0.01	IS 3025(P-41)
26	Aluminium (as Al)	mg/Lit	N.D.	--	IS 3025(P-55)

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

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Analyzing for an Assured Future

TEST CERTIFICATE					
27	Nickel (as Ni)	mg/Lit	N.D.	--	IS 3025(P-54)
28	Mercury (as Hg)	mg/Lit	N.D.	--	IS 3025(P-48)
29	Arsenic (as As)	mg/Lit	N.D.	0.2	IS 3025(P-37)
30	Selenium (as Se)	mg/Lit	N.D.	0.05	IS 3025(P-56)
31	Silver (as Ag)	mg/Lit	N.D.	--	IS 13428 (Annx.-I)
32	Chromium (as Cr)	mg/Lit	N.D.	0.05	IS 3025(P-52)
33	Sulphide (as H ₂ S)	mg/Lit	N.D.	--	IS 3025(P-29)
34	Molybdenum(as Mo)	mg/Lit	N.D.	--	IS 3025(P-02)
35	Cyanide (as CN)	mg/Lit	N.D.	0.05	IS 3025(P-27)
36	Anionic Detergent (as MBAS)	mg/Lit	N.D.	1	IS 13428 (Annx.-K)
37	Phenolic Compound(as C ₆ H ₅ OH)	mg/Lit	N.D.	0.005	IS 3025(P-43)
38	Polychlorinated Biphenyls	mg/Lit	N.D.	--	ASTM 5175
39	Poly Aromatic Hydrocarbons (as PAH)	mg/Lit	N.D.	--	APHA 6440
40	Mineral Oil	mg/Lit	N.D.	--	IS 3025(P-39)
Microbiological Analysis					
1	Total Coliforms	MPN/100ml	30	5000	APHA 22nd Ed.2012,9921-B & C, 9-66 & 69
2	E – Coli	MPN/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.					
ANALYZED BY-			AUTHORIZED SIGNATORY		
Ayali					

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ANNEXURE – XII

Monitoring Report

February 2023

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



NTL
Analyzing for an Assured Future

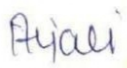
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TEST CERTIFICATE

Report No: AAQ-230223-001		Date of Report		27.02.2023	
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Sample Details		Ambient Air	
		Lab. Ref. No.		NTL/LAB-208	
		Date of Sampling		19.02.2023	
		Sample Collected By		Lab Representative	
		Date of Sample Received		23.02.2023	
		Start Date of Analysis		23.02.2023	
		End Date of Analysis		27.02.2023	
Ambient Air Analysis Report					
Sr. No.	Sampling Location	PM10 in µg/m ³	PM2.5 in µg/m ³	SO2 in µg/m ³	NO2 in µg/m ³
		TEST METHOD			
		IS:5182 (Part - 23) :2006, RA-2017	USEPA CFR-40, Part-50, Appendix-L	IS:5182 (Part-2) :2001, RA-2017	IS:5182 (Part-6) :2006, RA-2017
		LIMITS AS PER NAAQS			
		100	60	80	80
1	Near Admin Office	80.3	39.5	19.2	26.6
2	Near Store Room Area	83.7	40.8	17.5	29.3
3	DM Plant Area	85.4	42.0	19.1	28.1
4	Near Automobile Area	89.4	44.9	21.2	32.7
Remark- All above results are within National Ambient Air Quality standards (NAAQS).					
ANALYZED BY- 			AUTHORIZED SIGNATORY 		

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



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TEST CERTIFICATE

Report No: F-230223-002		Date of Report		27.02.2023
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Sample Details		Fugitive Emission Monitoring
		Lab. Ref. No.		NTL/LAB-209
		Date of Sampling		19.02.2023
		Sample Collected By		Lab Representative
		Date of Sample Received		23.02.2023
		Start Date of Analysis		23.02.2023
		End Date of Analysis		24.02.2023
Fugitive Emission Monitoring Report				
Sr. No.	Sampling Location	Unit	Test Method	Suspended Particulate Matter (SPM)
1	Near Raw Material Area	μg/m ³	IS : 5182 (Part-4)	490
2	Product Processing Area			475
3	Crusher Area			552
4	Near CCM			528
CPCB Standards				2000
ANALYZED BY-			AUTHORIZED SIGNATORY	
				

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TEST CERTIFICATE

Report No: N-230223-003		Date of Report		27.02.2023
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Date of Sampling		19.02.2023
		Sample Details		Noise Monitoring
		Lab. Ref. No.		NTL/LAB-210
Noise Monitoring Report				
Sr. No.	Location	Result dB(A)		
		Day Time	Night Time	
1	Boiler Area	72.8	63.7	
2	SMS Area	69.9	61.2	
3	Crusher Area	74.2	63.9	
4	Near Store Room Area	72.4	63.1	
CPCB Standard				
Residential Area		55	45	
Industrial Area		75	70	
Commercial Area		65	55	
Remark- The above results are within the prescribed limits by CPCB.				
ANALYZED BY- Ayali		AUTHORIZED SIGNATORY 		

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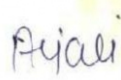
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TEST CERTIFICATE

Report No: S-230223-004 Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)	Date of Report : 27.02.2023 Sample Details : Stack Lab. Ref. No. : NTL/LAB-211 Date of Sampling : 19.02.2023 Sample Collected By : Lab Representative Date of Sample Received : 23.02.2023 Start Date of Analysis : 23.02.2023 End Date of Analysis : 25.02.2023 Sample Location : Kiln Stack				
Source Emission Analysis Report					
Stack Attached to : 2X100 TPD Kiln with 2 TPH WHRB Type of fuel used : Coal, Dolomite & Iron Ore Stack height above the ground : 48 mtr Stack dia at top : 1.3 mtr Material of construction : MS Normal operation schedule : 24 hr Attached APCS : ESP Ambient Temperature : 34°C Flue Gas Temperature : 159°C Velocity of Flue Gas : 8.9 m/s Quantity of Emission : 29375.9 Nm ³ /hr					
Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	35.17	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	52.60	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NOx as NO ₂)	mg/Nm ³	41.20	--	IS 11255 (P-7)
Remark(s) : All above results are well within the consent Limit.					
ANALYZED BY 			AUTHORIZED SIGNATORY- 		

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



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TEST CERTIFICATE

Report No: S-230223-005		Date of Report		27.02.2023	
Client Name and Address: Sky Alloys & Power Limited, Khasra No. 166, Temtema Road, Village - Temtema, Tehsil - Kharsia, Raigarh (C.G.)		Sample Details		Stack	
		Lab. Ref. No.		NTL/LAB-212	
		Date of Sampling		19.02.2023	
		Sample Collected By		Lab Representative	
		Date of Sample Received		23.02.2023	
		Start Date of Analysis		23.02.2023	
		End Date of Analysis		25.02.2023	
		Sample Location		Power Plant	
Source Emission Analysis Report					
Stack Attached to : Power Plant Type of fuel used : Coal & Char/Dolochar Stack height above the ground : 60 mtr Stack dia at top : 3.8 mtr Material of construction : MS Normal operation schedule : 24 hr Attached APCS : ESP Ambient Temperature : 33°C Flue Gas Temperature : 167°C Velocity of Flue Gas : 10.5 m/s Quantity of Emission : 294032.4 Nm ³ /hr					
Sr. No	Parameter	Unit	Result	Limits as per Consent	Test Method
1	Particulate Matter (PM)	mg/Nm ³	29.92	50	IS 11255 (P-1)
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	63.30	--	IS 11255 (P-2)
3	Oxides of Nitrogen (NOx as NO ₂)	mg/Nm ³	47.68	--	IS 11255 (P-7)
Remark(s) : All above results are well within the consent Limit.					
ANALYZED BY Ayali			AUTHORIZED SIGNATORY 		

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