

SANTPURIA ALLOYS PVT. LTD.

Registered Office :
Office No. 112A, Infinity Benchmark,
18th Floor, Plot- G1 Block- GP, Sector-V
Kolkata, West Bengal - 700091

CIN : U27100WB2004PTC237157
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SAPL/EC/2023-24/55

Dated: 06/01/2024

To
The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (ECZ),
Bungalow No. A-2, Shyamali Colony,
Ranchi – 834002

Sub: Submission of six monthly compliance of Environmental Clearance issued vide letter no: EC/SEIAA/2014-15/570/2014/306 Ranchi, dated: 13/12/2018 by State Level Environment Impact Assessment Authority, Jharkhand

Sir,

Following documents are being furnished for your kind and needful perusal.

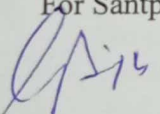
- Copy of Environmental Clearance
- Compliance of Environmental Clearance.
- Copy of Test Report of Stack monitoring, ambient air, ambient noise & Fugitive air.
- Copy of ground water analysis report (Pre-monsoon)

Hence, you are requested to kindly find the above and do the needful.

Thanking you

Faithfully yours

For Santpuria Alloys Pvt Ltd.


Director

Copy To

- 1) Sri R.C.Saxena (Scientist 'E' & Incharge)
Central Pollution Control Board
Southern Conclave, Block, 502
5th & 6th Floors, 1582, Rajdanga Main Road, Kolkata: 700 107 (W.B.)
- 2) The Regional Officer,
Jharkhand State Pollution Control Board,
Matwari Road, Hazaribagh (Jharkhand)

Corporate Office :

Manjhaladih, P.O:- Gadi Srirampur, Tundi Road, Giridih- 815302 (Jharkhand)
Phone :- +91 9204066719



State Level Environment Impact Assessment Authority, Jharkhand.

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834 004.

E-mail: msseiaa.jhk@gmail.com; website: www.jseiaa.org

Letter No.- EC/SEIAA/2014-15/570/2014/306

Ranchi, Date: -13/12/2018

To: Shri Sailendra Bakshi,
(General Manager),
M/s Santpuria Alloys (P) Ltd.,
Manjhaladih, Tundi Road,
Dist. - Giridih,
Jharkhand - 815301.

Sub.: Environmental Clearance for the project "Regularisation cum Expansion of M/s Santpuria Alloys (P) Ltd at Khata No. 86, 51, 44, 64, 01, 23, 41, 19, 03, 22 & 10, Plot No. 243, 244, 245, 288, 283, 236, 237, 239, 240, 274, 278, 285, 286, 287, 282 & 17 at Vill.- Manjhaladih, Tehsil - Gadisrirampur, Dist. - Giridih, Jharkhand".

Sir,

It is in reference to the project "Regularisation cum Expansion of M/s Santpuria Alloys (P) Ltd at Khata No. 86, 51, 44, 64, 01, 23, 41, 19, 03, 22 & 10, Plot No. 243, 244, 245, 288, 283, 236, 237, 239, 240, 274, 278, 285, 286, 287, 282 & 17 at Vill.- Manjhaladih, Tehsil - Gadisrirampur, Dist. - Giridih, Jharkhand", submitted by you for seeking prior Environmental Clearances (EC).

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its meeting held on 04th & 05th December, 2018.

Santpuria Alloys (P) Ltd. (SAPL), located at Khata No. 86, 51, 44, 64, 01, 23, 41, 19, 03, 22 & 10, Plot No. 243, 244, 245, 288, 283, 236, 237, 239, 240, 274, 278, 285, 286, 287, 282 & 17, Manjhaladih, Gadi Srirampur, Giridih, has set up a 96 x 2 TPD Sponge Iron plant. Plant site lies in Lat: 24° 07' 47.0" N Long: 86° 21' 15.0" E. Giridih is about 6 km, Tundi is about 26 km, Govindpur is about 45 km and Dhanbad is about 60 km from the existing plant site. Giridih is the nearest railway station from the existing plant site, which is around 6 km away from it. This is an existing unit in the area of 15.82 acres of land. No additional land requirement. Raw water will be sourced from existing ground water sources within premise. As per estimate, water to the tune of 12 KLD (09 KLD existing) will be required after commissioning of 2nd DRI kiln of project. The power requirement for the plant has been made available from DVC is near about 0.5 MVA which will be sourced from DVC. The indicated project cost is Rs 4.6 Crore. The existing 1 x 96 TPD is working while another kiln 1 x 96 TPD is to be commissioned after Environmental Clearance and after obtaining "Consent to operate from Jharkhand State Pollution Control Board. The status of project is as follows:

- (1) With ref. to unit application no. 3680 dated 23/8/2004 No. objection certificate under section 25 & 26 of the water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (prevention & Control of Pollution) Act, 1981 has been issued to the unit by JSPCB vide ref. no. N-435 dated 19-07-2005 for the production of sponge of 96 MT/Day.

Santpuria Alloys (P) Ltd.

[Signature]
Director



- (2) Further with ref. to unit application no.-6467 dated 01/08/2006- No objection certificate under section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (prevention & Control of pollution) Act 1981 has been issued to the unit by JSPCB vide letter no.3170 dated 19-09-2007 for the production of 192 TPD. This includes 96 TPD of existing unit also.
- (3) The unit falls in the category of 3(a) which is for Metallurgical industries (Ferrous and non ferrous). Sponge manufacturing unit of capacity <200 TPD-comes in the category of 'B' as per EIA notification 14th September, 2006.after expansion. The proposed capacity of sponge iron is 192 TPD including existing unit. Hence the plant needs environmental clearance from State Level Environment Impact Assessment Authority.
- (4) The unit is having "consent to operate" under section 25 & 26 of the Water (prevention & Control of pollution) Act, 1974 and under section 21 of the Air (prevention and Control of Pollution) Act, 1981 for the period 01-01-2013 to 31-12-2013, period 1-1-2014 to 31-12-2014 and also for the period 1-1-2015 to 31-12-2015 for the production of sponge Iron of 96 TPD.
- (5) From aforesaid statement it is clear- that the unit is having NOC for the production of sponge Iron of capacity 96x2=192TPD but having "consent to operate" for the production of sponge iron of 96 TPD only.
- (6) After obtaining NOC (consent to establish) for 2nd unit of 96 TPD i.e. total 192 TPD – unit has established or expanded sponge Iron production capacity of 192 TPD.

DFO, Giridih East vide letter no. 1433, dated - 18.06.18 certified that project site is not within 502 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Giridih vide memo no. 2623, dated - 10.09.18 has mentioned / certified the plots of the project site is not "Jangle Jhari".

The undertaking was submitted by the PP on 06.11.18 for 10 MW CPP, instead of 4 MW for utilization of waste Dolochar generated from the sponge iron plant through AFBC / CFBC based technology.

Later on the PP has submitted vide his letter dated 17.11.18 requesting to withdraw undertaking dated 06.11.18 for 10 MW.

The committee deliberated the project and finally recommended for the EC as per the ToR issued by SEIAA vide letter no. EC/SEIAA/2014-15/570/2014/901, dated 01.05.2015.

State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its meeting held on 10th & 11th December, 2018 discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the "Regularisation cum Expansion of M/s Santpuria Alloys (P) Ltd at Khata No. 86, 51, 44, 64, 01, 23, 41, 19, 03, 22 & 10, Plot No. 243, 244, 245, 288, 283, 236, 237, 239, 240, 274, 278, 285, 286, 287, 282 & 17 at Vill.- Manjhaladih, Tehsil - Gadisirampur, Dist. - Giridih, Jharkhand" alongwith the following conditions as recommended by SEAC.

I. Specific Conditions :

- i. This Environmental Clearance is valid subject to the following condition below.



That this project has-

- a. Obtained all legal rights to operate at concerned place.
- b. Complied with all existing concerned laws of the land and
- c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.

II. Statutory Compliance :

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

III. Air quality monitoring and preservation :

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)



- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Provide pollution control system in the sponge iron plant as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- x. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.

III. Water quality monitoring and preservation :

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards
- vi. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- vii. The project proponent shall practice rainwater harvesting to maximum possible extent.



- viii. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention:

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures :

- i. The project proponent shall provide waste heat recovery system on the DRI Kilns.
- ii. The dolochar generated shall be used for power generation.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iv. Provide LED lights in their offices and residential areas.

VI. Waste management :

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

VII. Green Belt :

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues :

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.



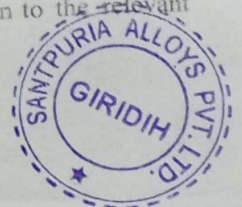
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary 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.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility :

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.

X. Miscellaneous :

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant

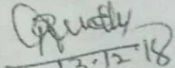


offices of the Government who in turn has to display the same for 30 days from the date of receipt.

- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.



- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xvii. In view of MoEF & CC O.M. No.- 22-27/2015-IA-III, dated- 12.04.2016 The Environmental Clearance accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.


13.12.18
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.



Compliance of Environmental Clearance
Santpuria Alloys Pvt Ltd,
at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand
(Prepared on 20/12/2023)

Compliance of Environmental Clearance

(Six monthly)

Issued vide letter no: EC/SEIAA/2014-15/570/2014/306 Ranchi, dated: 13/12/2018 by
State Level Environment Impact Assessment Authority,
Jharkhand
Santpuria Alloys Pvt Ltd,
at Manjhaladih, P.O: Gadisrirampur, Tundi Road, Giridih: 815302
(Jharkhand)

Santpuria Alloys (P) Ltd.


Director

1



Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd,
 at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Prepared on 20/12/2023)

Sl No:	Conditions	Compliances
(I)	Specific Conditions	
	I. This Environmental Clearance is valid subject to the following conditions below That this project has <ol style="list-style-type: none"> a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land and c. Complied with the decisions of SEIAA on the issue of Environmental clearance till date 	Agreed and complied
II	Statutory Compliance:	
	i. The Project proponent shall obtain forest clearance under the provisions of forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	This unit has own land for which clearance from Divisional Forest Officer, Giridih (East) has been obtained.
	ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	The study area covers 10 km radius around the centre of project site. As per Clearance issued by forest department and topographic sheet it can be observed that there is no Sanctuaries, National Parks, Tiger Reserve or Biosphere Reserve or Elephant Corridor or other protected areas



Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd,
 at Manjhaladih, P.O: Gadisrampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Prepared on 20/12/2023)

		<p>within the study area. Hence, the unit does not require obtaining clearance from National Board for Wildlife.</p>
iii.	<p>iii The project proponent shall prepare a site-specific Conservation plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the state Forest Department. The implementation report shall be furnished along with the Six-monthly compliance report. (In case of the presence of schedule-I species in the study area)</p>	<p>Species as per the Schedule-I, in the study area, have not been found hence, project does not require preparing a site-specific conservation plan & wildlife Management plan.</p>
iv.	<p>The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Board / Committee.</p>	<p>The unit has obtained the CTE vide reference no: 3170 dated 19/09/2007 & Consent to operate vide reference no: Ref No. JSPCB/HO/RNC/CTO-17280619/2023/2162 Dated: 31/12/2023 for production of 192 TPD of Sponge Iron.</p>
v.	<p>The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water</p>	<p>Agreed. Unit has obtained NOC to abstract ground water for industrial use vide reference no: CGWA/NOC/IND/ORIG/2020/9707 from Central Ground Water Authority.</p>



	required for the project.	
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste management Rules, 2016 as amended from time to time.	The unit has obtained the authorisation under the Hazardous and other Waste management Rules, 2016 from Jharkhand State Pollution Control Board, Ranchi vide reference no: JSPCB/HO/RNC/HWM-7455127/2020/53 23/12/2020
iii.	Air quality monitoring and preservation :	
i	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Online continuous stack (emission) monitoring system, with respect to PM & SO2 parameter, with the connectivity of SPCB & CPCB server has already been installed and working regularly. Above system is calibrated through recognised lab time to time.
ii.	The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Agreed. Monitoring of fugitive emission has been carried out once in every quarter through NABL accredited laboratories. Report attached here with.
iii.	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for	Agreed. Continuous Ambient Air quality monitoring system with parameter PM10 has been installed and working



	<p>common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)</p>	<p>regularly. Addition of above Ambient Air Quality is monitored manually six-monthly basis. AAQR attached.</p>
	<p>iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of the air quality/fugitive emission to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p>	<p>Agreed. On line Continuous Stack Emission Monitoring System wrt parameter SO₂ & PM with the connectivity of SPCB & CPCB server has already been installed. AAQR is carried out six monthly and above Monitoring reports are attached herewith for your kind perusal. Monitoring report for Fugitive emission of ambient air for last two quarter is attached herewith.</p>
	<p>v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points includes fugitive dust from all vulnerable sources.</p>	<p>Appropriate air pollution control devices have already been provided at all dust prone and vulnerable sources in the factory premises. Adequate numbers of Bag filters and ESP with the stack of rotary kiln have already been installed. Addition of above, 45 numbers of fix water sprinklers have already been installed and functioning regularly.</p>
	<p>vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.</p>	<p>All the appropriate facility for leakage detection and mechanised cleaning of bags has been provided and further it will be advanced.</p>



Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd,
 at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Prepared on 20/12/2023)

	vii. Provide pollution control system in the sponge iron plant as per the CREP Guidelines of CPCB.	Guideline as per CREP has been provided and it will be advanced gradually.
	viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Agreed. Now, cleaning of plant roads and other area of plant is maintained manually. Further mobile or vacuum cleaner system shall be implemented.
	ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting / agglomeration.	Iron ore fines are sold out to Iron Ore Pellet unit. Coal fines are used in briquette unit. Other fines will be used in our fly ash bricks unit.
	x. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Agreed. Transportation and conveying the raw material is done under covered system.
	xi. Wind shelter fence and chemical spraying shall be provided on the raw materials stock piles.	Raw materials are stacked under the permanent shed which is fully fenced to prevent from wind.
III.	Water quality monitoring and preservation:	
	i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414(E) dated 30 th May 2008; S.O.3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to	Our Unit is small unit where water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation system.



Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd,
 at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Prepared on 20/12/2023)

	time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	
	ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground Water quality test is performed. (Pre monsoon & Post monsoon). Piezometers , as per guideline of CGWA, has been installed in the borewell.
	iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Agreed. Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation system. Manual Monitoring of Ground water quality is carried out by NABL accredited lab and its report is attached herewith.
	iv. Adhere to 'Zero Liquid Discharge':	Agreed.
	v. Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	N A. Very small quantity of domestic and sanitary waste water is generated which is being disposed to septic tank-soak pit combination.
	vi. Garland drains and collected pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run-off.	Agreed. Garland and collected pits have already been constructed.
	vii. The project proponent shall practice rainwater	Agreed. Well designed rainwater harvesting system has



Compliance of Environmental Clearance
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 at Manjhaladih, P.O: Gadurirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Prepared on 20/12/2023)

	harvesting to maximum possible extent.	already been constructed.
	viii. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practice fall use and by recycling treated water.	Agreed. Here, water is used for cooling purpose only and make-up water is added in water circulation system. Further, advance and possible steps to minimise the water consumption must be taken.
IV.	Noise monitoring and prevention:	
	i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Agreed. Test report is attached herewith.
	ii. The ambient noise levels should conform to the standards prescribed under E (P) A Rules, 1986 viz. 75 dB (A) during day time and 70 dB during night time.	Agreed. Ambient noise level report confirm to standards prescribed under E (P) rules, 1986 viz 75dB (A) during day time and 70 dB during night time is being maintained.
V.	Energy Conservation measures:	
	i. The Project proponent shall provide waste heat recovery system on the DRI Kilns.	Agreed. Works for Installation of WHRB in rotary kiln has been started.
	ii. The dolochar generated shall be used for power generation.	Agreed. Works for installation of AFBC/CFBC boiler has been initiated. Dolochar generated in sponge iron unit shall be utilised in power generation.
	iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Agreed. For providing Solar power generation on roof tops necessary installation has been done.
	iv. Provide LED lights in their offices and residential areas.	Agreed. LED lights, offices & residential area, have already been provided.
VI.	Waste management	



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	i. Used refractories shall be recycled as far as possible.	N .A.
	ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and bricks manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	Fly ash will be used in fly ash bricks manufacturing unit. Unit II of Santpuria Alloys Private limited. Now, fly ash in our plant is not generated.
	iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Tran boundary Movement) rules, 2016	Agreed.
	iv. Kitchen waste shall be composed or converted to biogas for further use. (to be decided on caste to case basis depending on type and size of plant)	NA
VII.	Green Belt :	
	i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Green belt occupying almost 33% of the plant area has already been developed. Further, we assure that our efforts to maintain and grow the greenbelt will be continued.
	ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	Agreed to comply. As plant is very small and it was felt that this is not needed. All the possible steps, to reduce the green house gases emission effect, will be initiated. Plan in this regard is being prepared. Green belt is gradually increased to reduce the effect of carbon in the atmosphere.
VIII.	Public hearing and Human health issues :	



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 (Prepared on 20/12/2023)

	i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Agreed. Emergency plan as per factories act 1947, Jharkhand factories Rules, 2001, Control of Industrial Major Accidents Hazardous Rules 1990, Hazardous Wastes (Management and Handling) Rules 1980 & Environment (Protection) Act 1986, has been prepared.
	ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Agreed. All the workmen have already been provided personal protection equipment (PPE) viz safety boots, safety goggles, safety helmets and apron etc as per the Factory Act.
	iii. Provision shall be made for the 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.	Project already been completed and it is under operation.
	iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is being carried out in regular basis as per the factory acts. Records for the same are maintained. Chest Xray, Eye Testing and other required health check-up, in regular basis, is carried out.
IX.	Corporate Environment Responsibility:	
	i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1 st May 2018, as	Agreed. Works, contained in CER as per the Ministry's OM vide F.No: 22-65/2017-IA.III dated 1 st May, 2018, is being carried out viz health check -up, education.



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	applicable, regarding Corporate Environment Responsibility.	
ii.	The company shall have a well laid down environment policy duly approved by the Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and or/ shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	<p>Agreed.</p> <p>CORPORATE ENVIRONMENTALL POLICY</p> <p>SAPL IS COMMITTED TO:</p> <ul style="list-style-type: none"> Protect Environment and continually improve environmental performance by implementing Environmental Management System involving all employee Comply with all applicable environmental legislation, Regulations, Special & General Conditions laid down by the Statutory bodies time to time Prevent, Reduce and control Air pollution Strive to Reduce, Reuse and Recycle the wastes Develop thick green belt in and around the Plant
iii.	A separate Environment Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of	Agreed.



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	senior Executive, who will directly to the head of the organization.	
	iv. Action plan for implementation EMP and environment conditions along with responsibility matrix of the company shall be prepared and shall be approved by competent authority. The year wise funds earmarked for environment protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.	Agreed.
	v. Self-environment audit shall be conducted annually. Every three years third party environment audit shall be carried out.	Agreed.
	vi. All the recommendation made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	NA
X.	Miscellaneous :	
	i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this	Published on 30/12/2018 in 1) Prabhat Khabar, Dhanbad publication & 2) Dainik Bhaskar, Dhanbad publication. Website has already been prepared i.e. www.santpurialloys.com EC with its conditions has already been uploaded in unit's website.



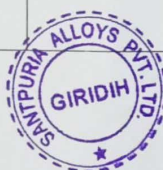
Compliance of Environmental Clearance
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	shall also be displayed in the project proponent's website permanently.	
ii.	The copies of the environmental clearance shall be submitted by the project proponent to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copy of EC has been provided to the District Industries Centre, Giridih & Local Body of Giridih.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Status of compliance condition EC has been uploaded in company's website. Company's website: www.santpurialloys.com Monitored data has been uploaded.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Monitored data has been displayed at main gate for disclosure to the public and uploaded in company's website.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Agreed.
vi.	The project proponent shall submit the environmental statement for each financial year in	Agreed. Environment statement for unit is being submitted in the JSPCB within the stipulated time.



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 (Prepared on 20/12/2023)

	Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed.
viii.	The project authorities must strictly adhere to the stipulations made by the state pollution Control Board and the State Government.	Agreed.
ix.	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).	Agreed.
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.



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xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information /monitoring reports.	Agreed.
xv.	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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / high Courts and any other Court of Law relating to the subject matter.	Agreed.
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a	Agreed.



Compliance of Environmental Clearance
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at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
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	period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
xvii.	In view of MoEF & CC O.M No.- 22-27/2015-IA-III, dated- 12.04.2016 The Environmental Clearance Accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.	Agreed.

For Santpuria Alloys Pvt Ltd

Santpuria Alloys (P) Ltd.
[Signature]
Director



Director



BIOCRAT ENVIRONMENTAL SERVICES (BIOCRAT ENVIRONMENTAL LAB)

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Jharkhand State Pollution Control Board (JSPCB)
Certified by: ISO 9001:2015(QMS) & ISO 45001:2018(OHSAS)



TEST REPORT

Format No: 7.8/28

STACK EMISSION MONITORING

Unique Lab Report No : TC120392300000332F	Report Issue Date : 28/09/2023
Job Card No : BES/0000424	Discipline : Chemical
Field Data Sheet Code: BES/JSPCB/STACK/17273271/01	Group : Atmospheric Pollution
Type of Industry/Plant : Sponge Iron Plant	Product / Material of Test : Stack Emission
Application No. : 17273271	Application Date : 16/09/2023

Client Name & Address: - Santpuria Alloys Pvt. Limited At - Manjhaladih, PO - Gadisirampur, Dist - Giridih, Jharkhand, Pin - 815301
--

General Information

Protocol : Stack Emission	Type of Sample: Flue Gas
Sample Collected By : Manish Kumar & Team	Sampling Plan Reference : BES/0042
Sampling Date : 22/09/2023	Sample Receiving & Registration Date : 23/09/2023
Sample Condition : OK, Preserved & Sealed	Customer Representative Name : Mr. Gunwant Singh Mongia

Stack General Information

01. Plant Condition	:-	Operational
02. Total Production Capacity	:-	96 TPD X 2
03. Shape of Stack	:-	Circular
04. Total Height of Stack from Ground Level (m)	:-	40.0
05. Height of Stack to Port hole from Ground Level (m)	:-	25.0
06. Diameter of Stack (m)	:-	2.0
07. Is Permanent Platform & Ladder Available	:-	Yes
08. Stack Connected to	:-	Rotary Kiln 1 & 2
09. Type of Fuel Used	:-	Coal
10. Quantity of Fuel Used	:-	200 MT/Day
11. Emission Due to	:-	Process Activity
12. Pollution Control Device	:-	ESP
13. ID Fan Capacity (m ³ /hr)	:-	90,000

Flue Gas Emission Analysis

Parameters	Method No.	Result	CPCB Norms (As per 7 th Edition PCLS 2021, S.I No 99 & Page -351)
Flue Gas Temperature(°C)	IS 11255 (Part-3)	185	
Absolute Stack Gas Pressure (mm Hg)	IS 11255 (Part-3)	734	
Moisture in Flue Gas (%)	IS 11255 (Part-3)	<2.0	
Wet Molecular Weight of Flue Gas(gm/mole)	IS 11255 (Part-3)	29.4	
Flue Gas Velocity (m/s)	IS 11255 (Part-3)	9.51	
Stack Gas Volumetric Flow Rate (Nm ³ /hr.)	IS 11255 (Part-3)	66,330	
Oxides of Nitrogen (NO ₂) (mg/Nm ³)	IS 11255 (Part-7)	172	
Sulphur Dioxide (SO ₂) (mg/Nm ³)	IS 11255 (Part-2)	455	
SO ₂ (kg/hr)	---	30.24	12.69 -33.08
Carbon Monoxide (Vol/Vol.)	IS 13270	< 1	1%
Particulates Matter (mg/Nm ³)	IS 11255 (Part-1)	95.7	100

---END OF REPORT---

Declaration:-

- Reported results are related only to the item tested.
- This report is the property of laboratory & should not be used unless advised.
- Items tested are as per the standard requirements.
- All parameters in this report conforms to the specific standard.
-

Santpuria Alloys (P) Ltd.

Tested by

Director



Authorized Signatory
Technical Manager

Add: - Sarveshwari Nagar, Iki Road, Bajra, P.O - Hehal, Dist - Ranchi, Jharkhand. Pin - 834005
Email Id :- biocratenv@gmail.com. Mobile No - 7369019812, 8340466751, 9608708172



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TEST REPORT

AMBIENT AIR QUALITY

Format No: 7.8F-04

Unique Lab Report No : TC1203923000000330F	Report Issue Date : 28/09/2023
Job Card No : BES/0000418 to BES/0000420	Discipline : Chemical
Field Data Sheet Code: BES/JSPCB/AAQ/17273271/01-03	Group : Atmospheric Pollution
Type of Industry / Plant : Sponge Iron Plant	Product / Material of Test : Ambient Air
Application No. : 17273271	Application Date : 16/09/2023

Client Name & Address: - Santpuria Alloys Pvt. Limited.
At - Manjhaladih, PO - Gadisrampur, Dist - Giridih, Jharkhand Pin - 815301.

General Information

Protocol : Ambient Air	Type of Sample: Ambient Air
Sample Collected By : Manish Kumar & Team	Sampling Plan Reference : BES/0042
Sampling Date : 22/09/2023 to 23/09/2023	Sample Receiving & Registration Date : 23/09/2023
Plant Condition : Operational	Emission Due to: Movement of Vehicles & Surrounding Activities
Site Metrological Information	Temp: 29 °C
	R.Humidity : 61 %
	Barometric Pressure: 734 mmHg

Sample Description

Sample Temperature at the time of receiving : < 6 °C	Temperature at the time of Analysis : 25 ± 2 °C
Test Start Date : 23/09/2023	Test End Date : 27/09/2023
Sampling Location : Inside of Unit premises	
Predominant Wind Direction : From WNW towards ESE	Customer Representative Name: Gunwant Singh Mongia

Analysis Result

Sl No	Specific Test Performed	Unit	Time Weighted Average	Test Method No	NAAQS 2009 Standard	Result		
						Near Weigh Bridge	Near Stock Yard	Near Store Room
						24° 7'50.10"N 86° 21'12.10"E	24° 7'52.51"N 86° 20'59.88"E	24° 7'46.64"N 86° 21'5.47"E
01	SO ₂	µg/m ³	24 Hours	IS 5182 Part-02	80	09.15	12.23	09.59
02	NO ₂	µg/m ³	24 Hours	IS 5182 Part-06	80	22.22	26.92	24.07
03	PM ₁₀	µg/m ³	24 Hours	IS 5182 Part 23	100	64.54	73.98	69.67
04	PM _{2.5}	µg/m ³	24 Hours	IS 5182 Part 24	60	29.62	34.63	31.78

—END OF REPORT—

Declaration:-

01. Reported results are related only to the item tested.
02. This report is the property of laboratory & should not be used unless advised.
03. Items tested are as per the standard requirements.
04. All parameters in this report conforms to the specific standard.

Santpuria Alloys (P) Ltd.

Tested by

Director



Authorized Signatory
Technical Manager

Add: - Sarveshwari Nagar, Itki Road, Bajra, P.O - Heimganj - Ranchi, Jharkhand, Pin - 834005
Email Id :- biocratenv@gmail.com, Mobile No - 7369019812, 8340466751, 9608708172



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TEST REPORT AMBIENT NOISE MONITORING

Format No: 7.8F-05

Unique Lab Report No : TC1203923000000331F	Report Issue Date : 28/09/2023
Job Card No : BES/0000421 to BES/0000423	Discipline : Chemical
Field Data Sheet Code: BES/JSPCB/NOISE/17273271/01-03	Group : Atmospheric Pollution
Type of Industry /Plant : Sponge Iron Plant	Product / Material of Test : Ambient Noise Levels (Excluding Vibration)
Application No. : 17273271	Application Date : 16/09/2023

Client Name & Address: - Santpuria Alloys Pvt. Limited.
At – Manjhaladih, PO – Gadisirampur, Dist – Giridih, Jharkhand Pin – 815301.

General Information			
Protocol : Ambient Noise		Type of Sample: Ambient Noise	
Sample Collected By : Manish Kumar & Team		Sampling Plan Reference : BES/0042	
Sampling Date : 22/09/2023 to 23/09/2023		Sample Receiving & Registration Date : 23/09/2023	
Plant Condition : Operational		Emission Due to: Movement of Vehicles & Nearby Activities	
Site Metrological Information	Temp: 29 °C	R.Humidity : 61 %	Barometric Pressure: 734 mmHg

Sample Description	
Data Analysis Start Date : 23/09/2023	Data Analysis End Date : 27/09/2023
Sampling Location : Inside of Unit premises	
Predominant Wind Direction : From WNW towards ESE	Customer Representative Name: Gunwant Singh Mongia

Sampling Point	Noise Monitoring Result, dB (A) Leq					
	Near Weigh Bridge 24° 7'48.98"N 86°21'11.23"E		Near Stock Yard 24° 7'51.25"N 86°21'0.36"E		Near Store Room 24° 7'47.62"N 86°21'6.64"E	
Sampling Duration	Day Time (06 AM - 10 PM)	Night Time (10 PM - 06 AM)	Day Time (06 AM - 10 PM)	Night Time (10 PM - 06 AM)	Day Time (06 AM - 10 PM)	Night Time (10 PM - 06 AM)
Minimum	44.8	38.3	41.2	36.1	43.6	37.3
Maximum	84.7	64.6	82.5	63.0	75.7	63.5
Average	69.3	50.4	67.6	47.5	65.2	45.6
Back Ground Noise Level, in dB(A)	66.5	52.5	65.0	52.5	65.0	47.5
Sound Level (LA) in Leq	72.2	54.0	70.6	51.9	67.5	49.4

---END OF REPORT---

As per Pollution Control Law Series: PCLS/06/2000-01 CPCB Ambient Air Quality Standards in Respect of Noise	
Industrial Zone for Day and Night Time is 75 & 70 in dB(A) Leq.	Residential Zone for Day and Night Time is 55 & 45 in dB(A) Leq.
Commercial Zone for Day and Night Time is 65 & 55 in dB(A) Leq.	Silence Zone for Day and Night Time is 50 & 40 in dB(A) Leq.

Note: - "dB(A)Leq" denotes the time weighted average of sound in decibels on scale A which is reliable to human hearing.

- Declaration:-
- Reported results are related only to the item tested.
 - This report is the property of laboratory & should not be used unless advised.
 - Items tested are as per the standard requirements.
 - All parameters in this report conforms to the specific standard.

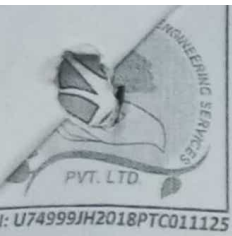
Santpuria Alloys (P) Ltd.

Director



Authorized Signatory
Technical Manager

Tested by



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D1Z4

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0651-2290103
Website : www.elespl.co.in



TEST REPORT

Test Report No. : ELES/RNC/2024/0011	Report Release Date : 04.01.2024
ULR No. : TC88392400000011F	

CUSTOMER DETAILS

Customer Name	: Santpuria Alloys Pvt. Ltd.
Address	: Manjhaladih, P.O.- Gadi Srirampur, Tundi Road, Giridih- 815302 Jharkhand.
Plant Status	: Operational
Period of Analysis	: 30.12.2023 to 04.01.2024

SAMPLE DETAILS

Sample Ref. No.	: ELES/RNC/2023/FA/4916
Location	: Material Crusher & Product Handling Area
Sampling Date	: 25.12.2023
Sample Received Date	: 30.12.2023
Type of Sample	: Fugitive Air
Sampling Procedure	: ELES/DOC/SMPL/02
Sampling Done By	: ELES Pvt. Ltd.
Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 20	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 49	4	Weather Condition	: Clear

Discipline : Chemical

Group : Atmospheric Pollution

Parameter	Unit	Test Protocol	Result
Suspended Particulate Matter (SPM)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part-4):1999; RA 2019	583
Sulphur Di- Oxide (SO ₂)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part-2): 2001; RA 2022	15.8
Nitrogen Di- Oxide(NO ₂)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part-6): 2006; RA 2022	35.3



****End of Report****

Dr. Deependra Kumar Sinha
Authorised Signatory
Dr. Deependra Kumar Sinha
Ph. D Environmental Engg.
ES Pvt. Ltd. Technical Manager

Santpuria Alloys (P) Ltd.

Director
Page 1 of 1

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ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
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TEST REPORT

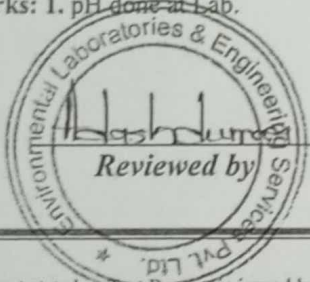
Test Report No. : ELES/RNC/2024/0012	Report Release Date : 04.01.2024
ULR No. : TC883924000000012F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Santpuria Alloys Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/GW/4917
Address	: Manjhaladih, P.O.- Gadi Srirampur, Tundi Road, Giridih- 815302 Jharkhand.	Sampling Date	: 26.12.2023
		Sample Received Date	: 30.12.2023
Plant Status	: Operational	Type of Sample	: Ground Water
		Source of Sample	: Borewell
Period of Analysis	: 30.12.2023 to 02.01.2024	Location of Sample	: Near Main Gate
		Sampling Procedure	: ELES/DOC/SMPL/01
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

Discipline : Chemical				Group : Water		Regulatory Limit as per IS 10500:2012	
Parameter	Unit	Test Protocol	Result	Acceptable Limit	Permissible Limit		
pH (at 24.7°C)	-	APHA 23 rd Ed.2017, 4500-H ⁺	7.24	6.5-8.5	No Relaxation		
Turbidity	NTU	APHA 23 rd Ed.2017, 2130 B	0.05	1.0	5.0		
Total Dissolved Solids (TDS)	mg/L	APHA 23 rd Ed.2017, 2540B,C&D	420	500	2000		
Total Alkalinity (as CaCO ₃)	mg/L	IS 3025 (Part-23):1986 ; RA2019	165	200	600		
Total Hardness (as CaCO ₃)	mg/L	APHA 23 rd Ed.2017, 2340 C	184	200	600		
Chloride (as Cl)	mg/L	APHA 23 rd Ed.2017, 4500 Cl B	51.3	250	1000		
Sulphate (as SO ₄)	mg/L	APHA 23 rd Ed.2017, 4500 SO ₄ ⁻² -E	17.5	200	400		
Calcium (as Ca)	mg/L	IS 3025 (Part-40):1991, RA2019	49.1	75	200		
Discipline : Chemical				Group : Residues in Water			
Magnesium (as Mg)	mg/L	IS 3025(Part-46): 1994; RA2019	17.6	30	100		
Iron (as Fe)	mg/L	APHA 23 rd Ed.2017, 3111B	0.219	1.0	1.0		

Remarks: 1. pH done at Lab.

Santpuria Alloys (P) Ltd.



[Signature]
Director

****End of Report****

[Signature]

Authorised Signatory
Dr. Deependra Kumar Sinha



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Environmental Engg.
Pvt. Ltd. Technical Manager

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