

SANTPURIA ALLOYS PVT. LTD.

Registered Office :

Room No. 226, Kamalalaya Centre

156A, Lenin Sarani, Kolkata -700013 (West Bengal)

CIN : U27100WB2004PTC237157

Mob. : 9204066719

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SAPL/EC/2020-21/59

Dated: 16/07/2020

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 half yearly 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 Clearance issued by DFO, Giridih East Division.
 - ✓ Copy of CTE issued by JSPCB, Ranchi.
 - ✓ Copy of CTO issued by JSPCB, Ranchi.
 - ✓ Copy of online application for permission to abstract ground water.
 - ✓ Copy of Hazardous Waste Authorization from JSPCB, Ranchi.
 - ✓ Copy of Test Report stacks emission, ambient air, ambient noise & Fugitive air for two qtrs.
 - ✓ Copy of ground water analysis report.
 - ✓ Copy of Contract agreement for installation and commissioning of solar power grid.
 - ✓ Copy of 2 news paper cutting for advertisement regarding EC.
- 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

- 3) Sri R.C.Saxena (Scientist 'E' & Incharge)
Central Pollution Control Board
5th & 6th Floors, 1582, Rajdanga Main Road, Kolkata: 700 107 (W.B.)
- 4) 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.jhki@gmail.com; website: www.jseiaa.org

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

Ranchi, Date: -13/12/2018

To: Shri Sailendra Baksi,
(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.

Certified to be true

Santpuria Alloys Pvt. Ltd.


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 $96 \times 2 = 192$ TPD 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 - Gadisrirampur, Dist. - Giridih, Jharkhand" alongwith the following conditions as recommended by SEAC.

1. 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 :

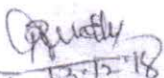
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of 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 report 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
(Dated 01/07/2020)

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

Santpuria Alloys Pvt Ltd,

at Manjhaladih,P.O:Gadisrirampur,Tundi Road,Giridih:815302

(Jharkhand)

Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd.
 at Manjhaladih.P.O:Gadisrirampur,Tundi road,Giridih:815302 (Jharkhand
 (Dated 01/07/2020)

Sl No:	Conditions	Compliances
(I)	Specific Conditions	
	<p>I. This Environmental Clearance is valid subject to the following conditions below</p> <p>That this project has</p> <p>a. Obtained all legal rights to operate at concerned place.</p> <p>b. Complied with all existing concerned laws of the land and</p> <p>c. Complied with the decisions of SEIAA on the issue of Environmental clearance till date</p>	Agreed
II	Statutory Compliance:	
	<p>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.</p>	This unit has own land for which clearance from Divisional Forest Officer, Giridih (East) has been obtained copy enclosed herewith.
	<p>ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</p>	<p>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 within the study area.</p> <p>Hence, the unit does not require obtaining clearance from National Board for Wildlife.</p> <p>Clearance obtained from forest department is enclosed</p>

Compliance of Environmental Clearance
Santpuria Alloys Pvt Ltd.
at Manjhalaci, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
(Dated 01/07/2020)

		herewith.
iii.	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)	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.
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 Board / Committee.	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-6423059/2020/155 Dated: 16/01/2020 for production of 192 TPD of Sponge Iron, this includes existing 96 TPD of Sponge Iron.
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.	Agreed. Unit has applied online, before the central ground water authority, for getting permission to abstract ground water for industrial use vide application no:21-4/344/JH/IND2019 dated 25/03/2019 (Copy enclosed).
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 rule 5(4) of the hazardous waste (Management, Handling and transboundary movement) Rules 2008 vide

Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd,
 at Manjhaladih.P.O:Gadisrirampur,Tundi road,Giridih:815302 (Jharkhand
 (Dated 01/07/2020)

		reference no: D/630 issued on 12/03/2016 valid up to 30/04/2020. Application for getting authorization under the Hazardous and other Waste management Rules, 2016 as amended from time to time has been submitted before Jharkhand State Pollution Control Board, Ranchi.
iii.	Air quality monitoring and preservation :	
	<p>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 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.</p>	<p>Online continuous stack (emission) monitoring system, with respect to PM & SO2 parameter, with the connectivity of SPCB & CPCB server has already been provided and running successfully. Above system is calibrated through recognised lab time to time.</p>
	<p>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.</p>	<p>Agreed. Monitoring of fugitive emission has been carried out once in every quarter through NABL accredited laboratories. Copy of it enclosed herewith for two quarter.</p>
	<p>iii. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main</p>	<p>Agreed. Continuous Ambient Air quality monitoring system wrt to parameter PM10 has been installed. Addition of above Ambient Air Quality is monitored</p>

Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd.
 at Manjhaladih, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Dated 01/07/2020)

	pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ 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)	annually as per the conditions laid down in CTO issued by JSPCB.
	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.	Agreed. On line Continuous Stack Emission Monitoring System wrt parameter SO ₂ & PM with the connectivity of SPCB & CPCB server has already been installed. Manual stack Monitoring, AAQR and Fugitive air quality is carried out annually and its report is submitted to the JSPCB. Above Monitoring reports are attached herewith for your kind perusal.
	v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points includes fugitive dust from all vulnerable sources.	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.
	vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	All the appropriate facility for leakage detection and mechanised cleaning of bags has been provided and further it will be advanced.
	vii. Provide pollution control system in the sponge iron	Guideline as per CREP has been provided and it will be

	plant as per the CREP Guidelines of CPCB.	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 time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small	Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation.

Compliance of Environmental Clearance
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(Dated 01/07/2020)

	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 Report is attached herewith.
	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 NAPL 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. 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. Further, it will be advanced.
	vii. The project proponent shall practice rainwater harvesting to maximum possible extent.	Agreed. Well designed rainwater harvesting has already been constructed. It will be advanced in future.
	viii. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practice cascade use and by recycling treated water.	Agreed. Here, water is used for cooling purpose only and make 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:	

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	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 will be maintained. Test report for ambient noise level recently monitored in this unit is attached here with for your ready perusal.
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 of building, contract agreement with M/S SOLAR AND ENERGY SAVING COMPANY, RANCHI has been signed on dtd.04/04/2019.
	iv. Provide LED lights in their offices and residential areas.	Agreed. LED lights, around the project area, have already been provided.
VI.	Waste management	
	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	Fly ash will be used in fly ash bricks manufacturing unit. Unit II of Santpuria Alloys Private limited. Memorandum for this purpose will be submitted.

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	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 & 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 to maintain and efforts for increasing the plantation will be going on.
	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. 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 :	
	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, duly certified the factory department has been prepared. Further, in this regard advanced preparedness will be done.

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	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 applicable, regarding Corporate Environment Responsibility.	Agreed. Most of 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 etc and rest of the works as per CER will be implemented soon.
	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	Agreed. CORPORATE ENVIRONMENTALL POLICY

Compliance of Environmental Clearance
 Santpuria Alloys Pvt Ltd.
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	<p>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>	<p>SAPL IS COMMITTED TO: 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</p>
<p>iii.</p>	<p>A separate Environment 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.</p>	<p>Agreed.</p>
<p>iv.</p>	<p>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</p>	<p>Agreed.</p>

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	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.	
	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 shall also be displayed in the project proponent's website permanently.	Published on 27/12/2018 in 1) Prabhat Khabar, Dhanbad publication & 2) Dainik Bhaskar, Dhanbad publication. Website has already been prepared i.e. www.santpuriaalloys.com EC with its conditions has already been uploaded in unit's website.
	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	Copy of EC has been provided to the District Industries Centre, Giridih & Local Body of Giridih.

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	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.	Status of compliance condition EC has been uploaded in company's website. Company's website: www.santpuriaalloys.com Monitored 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.	Agreed.
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. Now this facility is not available in website
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.	Agreed. Environment statement for unit is being submitted in the JSPCB within the stipulated time.
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	Agreed.

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 at Manjhaladin, P.O: Gadisrirampur, Tundi road, Giridih: 815302 (Jharkhand)
 (Dated 01/07/2020)

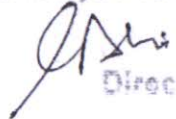
	and start of production operation by the project.	
viii.	The project authorities must strictly adhere to the stipulations made by the state pollution Control Board and the State Government.	Agreed.
ix.	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment 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.
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	Agreed.

Compliance of Environmental Clearance
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	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.	Agreed.
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.	Agreed.
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 Pvt. Ltd.


Director

Director

SAVE SAL TREE



SAVE JHARKHAND

कार्यालय, वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल।

मोहनपुर, पोस्ट-पचम्बा, जिला-गिरिडीह, पीन कोड-815316

email-dfo-giridiheast@gov.in, Phone No.-06532-222127

पत्रांक- 1433 दिनांक- 18-6-2018

प्रति,

SANTPURIA ALLOYS PVT. LTD,
Registered Office: Manjhaladih, PO-Gadi Srirampur,
Tundi Road, Giridih 815301

विषय - Request to issue a certificate related to general condition of Environmental Clearance for expansion cum modernization of SANTPURIA ALLOYS PVT. LTD, Vill- Manjhaladih, PO-Gadi Srirampur, Tundi Road, Giridih which is under consideration of SEIAA.

प्रसंग आपका आवेदन दिनांक-21.05.2018

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में सूचित करना है कि विषयोक्त आवेदित स्थल का स्थलगत जाँच वन क्षेत्र पदाधिकारी, गिरिडीह वन प्रमण्डल द्वारा किया गया है। जाँचोपरांत पाया गया कि

1. विषयोक्त आवेदित स्थल वन भूमि नहीं है।
2. विषयोक्त आवेदित स्थल अधिसूचित वन भूमि से 502 (पाँच सौ दो) मीटर की दूरी पर अवस्थित है।
3. विषयोक्त आवेदित स्थल के 10 कि०मी० की परीधी में कोई नेशनल पार्क स्थित नहीं है।
4. विषयोक्त आवेदित स्थल के 10 कि०मी० की परीधी में कोई अभयारण स्थित नहीं है।
5. विषयोक्त आवेदित स्थल के 10 कि०मी० की परीधी में कोई जैव-विविधता क्षेत्र स्थित नहीं है।

सूचनार्थ प्रेषित।

विश्वासभाजन

वन प्रमण्डल पदाधिकारी
गिरिडीह पूर्वी वन प्रमण्डल।



Certified to be true

Santpuria Alloys Pvt. Ltd.

Director



JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004

Phone: 2400852, 2400851, Fax: 0651- 2400850

Ref.No.....

Date:.....

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.

1. Reference application no. 6467 dated 01.08.2006 of M/s. Santpuria Alloys (P) Ltd, Sri Gunwant Singh Saluja, Netaji Subhash Chowk, At-Bhandaridih, Giridih for expansion of Sponge Iron Plant at Mauza-Majhladih, P.O.-Gadi Srirampur, Distt.-Giridih. The production capacity of the industry will be as follows :-

Sponge Iron	-	192 TPD
Project Cost	-	540.30 lakhs

2. The documents relied upon:

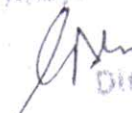
- (1) The contents of N.O.C application, Project report, E.I.A. / E.M.P. and the documents furnished in support of application.
- (2) The related provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Air (Prevention & Control of pollution) Act, 1981 and the Environment (Protection) Act, 1986
- (3) The status of compliance of consent conditions of existing plant.

3. After considering the above, N.O.C (Consent to establish) is accorded subject to the compliance of the following conditions:

- (01) That, the proponent shall install minimum resource wasting plant (s) and shall reach to no resource wasting plant (s) in 5 years by self introspection and retrofitting.
- (02) That, the proponent shall obtain consent to operate from State Pollution Control Board under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 prior to commissioning of the plant.
- (03) That, the proponent shall install water meter to measure the water to be consumed for different purposes to meet the requirement of the Water, furnish returns of water to be consumed and pay water-cess under the Water (Prevention & Control of Pollution) Cess Act, 1977.
- (04) That, the proponent shall obtain authorization under the Hazardous Wastes (Management & Handling) Rules, 1989; the Biomedical Wastes (Management & Handling) Rules, 1998 and the Municipal Solid Wastes (Management & Handling) Rules, 2000, whichever is applicable.

Certified to be true
10/01/2007

Santpuria Alloys Pvt. Ltd.


Director

Contd.....

- (05) That, the proponent shall abide by the provisions of the Environment (Protection) Act, 1986 and the standards and guidelines of the Environment (Protection) Rules, 1986.
- (06) That, the proponent shall maintain the quality of effluent, emission, ambient air and noise level in conformity with the standards prescribed in the Environment (Protection) Rules, 1986 and shall install online monitoring systems for them.
- (07) That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent to the system for reuse and shall ensure the discharge of effluent (if at all necessary) in up stream of the water intake point.
- (08) That, the proponent shall make stack(s) of the height and with the provision(s) of emission monitoring port hole(s), ladder(s) and platform(s), as prescribed by Central Pollution Control Board .
- (09) That, the proponent shall ensure continuous and uninterrupted power supply with provision of separate energy meters for the pollution control systems to enable the pollution control systems to function uninterruptedly.
- (10) That, the proponent shall submit the reports of Effluent, Emission, Ambient air quality and Noise level monitored before and after commissioning of the plant, in compliance of the standard prescribed in the Environment (Protection) Rules, 1986.
- (11) That, the proponent shall use D.G. set(s) of standard as prescribed in the Environment (Protection) Rules, 1986 and shall house it (them) in integral acoustic enclosure (s) and shall keep the height of exhaust pipe as per Central Pollution Control Board norms
- (12) That, the proponent shall dispose of hazardous wastes, biomedical wastes, municipal solid wastes and batteries wastes (whichever is applicable) in the manner as specified under respective Rules.
- (13) That, the proponent shall install fixed type water sprinklers to cover all dusty places in the premises to impart water spraying intermittently and during loading, unloading of raw materials/products and wastes.
- (14) That, the proponent shall do tree plantation in all available space in and around the site as shown in land use map furnished in support of the application.
- (15) That, the proponent shall submit a plan of rain water harvesting within six months and shall ensure its implementation within one year, both from the date of issue of the order.
- (16) That, the proponent shall install air pollution control devices such as dust catcher, cyclone separator, Bag filters, venturi scrubber, E.S.P., etc. in suitable combination control emission.
- (17) That, proponent shall make all haul roads pucca and shall maintain a good house keeping by regular cleaning and wetting of the haul roads and dust prone areas.
- (18) That, the proponent shall store all raw materials and products under shed and shall , as far as practicable, do their processing and transfer under foolproof cover (s) and shall install dust catchers over uncovered spaces of processing and transfers.
- (19) That, the proponent shall not allow the flow of mine water outside the lease hold area and shall use it for dust suppression and underground water recharge.

Contd.....

(3)

- (20) That, the proponent shall start activities at the site after obtaining environmental clearance from Government of India, Ministry of Environment and Forest, New Delhi.
- (21) That, the proponent shall preserve live soil of the mine (s) and shall reclaim mined out areas by filling it (them) with over burden and live soil and shall do tree plantation over it (them).
- (22) That, the proponent shall do socio-economic works in nearby villages for their welfare and shall pay due compensation to the affected people as per laws and Government schemes.
- (23) That, the proponent shall not alter the flow path or course of any river or stream or water body without prior permission from the competent authority.
- (24) That, the proponent shall do mining operations at least 200 meters away from the bank of any river or stream or water body.
- (25) That, the proponent shall implement all pollution control measures of EIA / EMP and shall submit post EIA monitoring report within three months from the date of commissioning of the plant.

4. This shall be valid subject to authenticity of documents furnished in support of application and bonafide ownership and possession of the land by the proponent.

5. The Jharkhand State Pollution Control Board reserves the right to revise and/or add any other conditions, if necessary, for the protection of Environment and to ensure pollution control or any.

6. The present N.O.C should not be considered as an assurance for granting consent to operate the proposed plant and is subject to compliance of all conditions as mentioned above.

7. This N.O.C is valid for a period of 6 months from the date of issue.

sd/
(R.K. Sinha)
Member Secretary

Memo No. 3170

Ranchi, Dated 12/07/07

Copy forwarded to M/s. Santpuria Alloys (P) Ltd, Sri Gunwant Singh Saluja, Netaji Subhash Chowk, At-Bhandaridih, Giridih (Jharkhand) /Chief inspector of Factories, Doranda, Ranchi/Director Industries, Govt. of Jharkhand, Ranchi/ DC, Giridih /Regional Office, J.S.P.C Board, Hazaribagh/Concerned officer dealing with consent.

Dr Sinha
19/9/07
(R.K. Sinha)
Member Secretary



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-6423059/2020/155

Dated : 2020-01-16

Consent to operate (CTO) 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

1. Application (s) dated 2019-09-23 of SANTPURIA ALLOYS PVT. LIMITED, Occupier Name :SRI GUNWANT SINGH SALUJA for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..
2. **Documents Relied Upon:**
 - (a) The content of Environmental Clearance (EC), vide Ref.No. EC/SEIAA/2014-15/570/2014/306 dated 13.12.2018.
 - (b) The content of Consent to Establish (CTE), vide Ref No 3170 dated. 19.07.2007, JSPCB, Ranchi.
 - (c) The content of Consent to Operate (CTO), vide Ref No. JSPCB/HO/RNC/CTO-4379158/2019/283 Dated 05.02.2019, JSPCB, Ranchi.
 - (d) The content of Inspection Report (I/R) vide Ref No. 1712 dated 05.11.2019 of Regional Office-Cum-Laboratory, JSPC Board, Hazaribagh.
 - (e) The content of self certificate/undertaking regarding procurement of raw material from the valid source.
 - (f) The content of affidavit submitted against the bank guarantee regarding fulfillment of the conditions.
 - (i) The content of Bank guarantee amounting Rs. 10.00 Lacs, vide BG No.-0644918BG0000003 valid upto 30.06.2022.
 - (ii) The content of Bank guarantee amounting Rs. 5.00 Lacs, vide BG No.-0644918BG0000004 valid upto 30.06.2022.
 - (iii) The content of fresh Bank guarantee amounting Rs. 10.00 Lacs, vide BG No.-0644918BG0000014 valid upto 30.06.2022.
 - (iv) The content of fresh Bank guarantee amounting Rs. 10.00 Lacs, vide BG No.-0644920BG0000001 valid upto 30.06.2022.
3. The consent is granted 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 to operate the project in Mauza -MANJHALADIH , P S -GIRIDIH , District -GIRIDIH , as follows:

Project	Site-Area	Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos	Area		Date of issue To

Santpurla Alloys Pvt. Ltd.

Director

Before Expansion	As per EC and previous CTO	15.82 Acres (as per EC)	1685.00 Lacs	Sponge Iron - 2 x 96 TPD (as per EC and previous CTO)	31/12/2020
------------------	----------------------------	-------------------------	--------------	---	------------

(A) Specific Conditions:

1. That, the occupier shall install and operate SO2 analyzer within one month and shall ensure the data transfer to JSPCB and CPCB server.
2. That, the occupier shall make water sprinkling arrangement in areas around crushing and screening units, raw material heaps at unloading points, heavy vehicle movement areas, roads and waste dump sites etc.
3. That, the occupier shall comply all the provisions mentioned in MoEF and its guideline/code of practice for pollution prevention for Sponge Iron Plants.
4. That, the occupier shall make the approach road and roads within premises of the plant and work areas asphalted or concreted.
5. That, the occupier shall have its conveyor belt for transporting the materials fully covered all along its way and transfer points of conveyor belt should also be covered and suction system should be connected to de-dusting equipment.
6. That, the occupier shall, use the fly ash generated from AFBC boiler as per notification released by MoEF & CC, New Delhi "Fly Ash Notification" dated 14th September, 1999 and as amended on 25th January, 2016.
7. That, the occupier shall make arrangement for operation of the plant in such a way that all pollution control devices shall start before start of conveyor belt/plant operation and similarly all pollution control
8. That, the occupier shall provide information regarding shut down of Air Pollution Control Device and plant within 24 hrs. to the Board.
9. That, the occupier shall operate and maintain online stack emission monitoring system for particulate matter with connectivity to Jharkhand State Pollution Control Board server and unit shall ensure the data transfer to JSPCB and CPCB server.
10. That, the occupier shall in no case dispose of the solid waste including fly ash and bottom ash on any agricultural land and keep it within the plant premises. All the solid wastes shall be kept fully covered with wire mesh or soil coating. Different types of solid wastes generated shall be stored separately as per the

guidelines of CPCB to avoid adverse effect on air quality and water region.

11. That, the occupier shall maintain zero trade effluent discharge and install a web cam at each outlets of the drain.

12. That, the occupier shall construct garland drain, toe wall and settling tanks for storage of solid wastes and raw materials separately and de-siltation of settling tanks shall be done regularly.

13. That, the occupier shall comply fugitive emission standards of 2000 microgram/m³ at a distance of 10 metre from raw material crusher and product handling areas etc.

14. That, the occupier shall dispose off/utilize Coal Char fully & its records should be maintained and shall be submitted to the Board quarterly till the installation of AFBC/WHRB based Power Plant.

15. That, the occupier shall provide separate electricity meter and totaliser for continuous recording of power consumption with all APCD. A logbook shall be maintained for recording of daily meterage of electricity meter connected to all APCDs. The amperage of the ID fan shall also be recorded continuously. No functioning of APCD shall be recorded in the same logbook along with reasons for non-operation of the Pollution Control Equipment.

16. That, the occupier shall make extensive plantation of three tier all along the roads and boundary wall of the industry.

17. That, the occupier shall submit performance evaluation report of pollution control devices and equipments to the Board within consent period.

18. That, the occupier shall maintain & operate fixed type water sprinkler at all dusty places inside the plant.

19. That, the occupier shall comply all the provisions mentioned in MoEF notification no. GSR 414 (E), dated. 30.05.2008 prescribed in Section 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) and its guideline/code of practice for pollution prevention for Sponge Iron Plants.

20. That, the occupier shall provide software controlled interlocking facility keeping in view of on-line emission and effluent monitoring system to ensure stoppage of feed conveyor, so that the feed to the kiln would stop automatically, if emergency/safety cap of the rotary kiln is opened or ESP is non - operational.

21. That, the occupier shall operate and maintain air pollution control devices such as ESP & Bag filters regularly.

22. That, the occupier shall cover the coal char with wire mesh and keep it within boundary wall and shall submit the photograph of the same as an evidence to the Board.
23. That, the occupier shall submit compliance report of CTO Conditions every year to the Board.
24. That, the occupier shall operate and maintain Closed Circuit Television (CCTV) camera rather than keeping small openings in shed for frequent observations and sheds should be provided for plant process machineries/ APCD's.
25. That, the occupier shall adopt the system of the telescopic chute/any other system to reduce the fugitive emission while loading the products into trucks/fine dust in the bags.
26. That, the occupier shall comply to the following conditions as mentioned below:-
27. That, the occupier shall obtain CTE as per the capacity of EC.
28. That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.
29. That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
30. That, the occupier shall construct and maintain the height of stack as per the prescribed guidelines.
31. That, the occupier shall ensure installation and operationalization of AFBC/CFBC boiler by 30.09.2020 and its evidence shall be submitted by 1st week of October' 2020.
32. That, the occupier shall make provision of Personal Protective Equipment (dust mask, helmet, safety shoes, goggles, ear plugs) and ensure their utilization by all the workers during operation of the plant.
33. That, the occupier shall ensure the tires of the heavy vehicles to be used for loading/unloading must be washed properly before releasing in/out of the factory premises.
34. That, the occupier shall comply the condition no., 31 otherwise BGs (a) vide BG No.- 0644918BG0000003 amounting Rs. 10.00 Lacs; (b) vide BG No. 0644918BG0000004 amounting Rs 05.00 Lacs and (c) vide BG No. 0644918BG0000014 amounting Rs 10.00 Lacs (d) Bank guarantee amounting Rs. 10.00 Lacs, vide BG No.-0644920BG0000001 valid upto 30.06.2022 shall be forfeited and CTO stands revoked.

35. That, this is the final opportunity for installation of AFBC boiler by September' 2020 otherwise all the BGs will be forfeited and CTO stands revoked.

36. That, the occupier shall submit applications for renewal of consent 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 again 120 days prior to the date of expiry of this consent with requisite fee and documents showing compliance of all of the above conditions.

(B) **General Conditions :**

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nickel (Ni) ng/m ³	Annual	20	20

Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm ³

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.
5. That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.
6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.
7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

RAJEEV Digitally signed
by RAJEEV
LOCHAN LOCHAN BAKSHI
BAKSHI Date: 2020.01.16
19:13:28 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Dated : 2020-01-16

Memo No. : JSPCB/HO/RNC/CTO-
6423059/2020/155

Copy to: M/s SANTPURIA ALLOYS PVT. LIMITED, AT- MANJHALADIH, P.O.-
GADISRIRAMPUR, DISTRICT- Giridih, PIN:815302, STATE: JHARKHAND/ Chief Inspector of
Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Director of Mines, Government
of Jharkhand, Ranchi/ Deputy Commissioner, Giridih/ DFO, Giridih/ DMO, Giridih/ R O, JSPCB,
Hazaribagh for information & ensuring compliance of the above.

RAJEEV Digitally signed
by RAJEEV
LOCHAN LOCHAN BAKSHI
BAKSHI Date: 2020.01.16
19:14:04 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

SANTPURIA ALLOYS PVT. LTD.

Registered Office :

Manjhaladih, Po.- Gadi Srirampur

Tundi Road, Giridih - 815301 (Jharkhand)

EJ711957729IN INR:687471195
SP GIRIDIH HO (815301)
Counter No:3, 25/03/2019, 14:33
To: REGIONAL DIRECTOR, PATNA
PIN:800001, Patna SPD
From: S A PVT LTD, GIRIDIH
Wt: 198gms
Amt: 82.60 (Cash) Tax: 12.60
<Track on www.indiapost.gov.in>
<Dial 1800 265 6866>
Dated: 25/03/2019

Ref.:SAPL/CGWA/2018-19/218

To
The Regional Director,
Central Ground water Authority,
Mid Eastern Region,
6-7th floor, L.N.J.Bhawan,
Dak Bunglow, Patna: 800 001

Sub: Submission of hard copy of online application for permission to abstract ground water for industrial use through ref.No:21-4/344/JH/IND/2019 dated: 25/03/2019.

Sir,

Please find enclosed herewith the following documents towards permission to abstract ground water for our existing industry.

1. Hard copy of online Application for obtaining NOC duly filled-in & signed vide reference no: 21-4/344/JH/IND/2019 dated: 25/03/2019.
2. Lay out & Location Map of industry.
3. Water non-availability certificate from water supplying authority.
4. Flow chart showing details of water requirement use at each stage.
5. * Details of rainwater harvesting with photographs
6. Authorization letter
7. Ground water quality report.
8. Environment Clearance issued by Ministry of Environment & Forest.
9. * Consent to operate issued by Jharkhand State Pollution Control Board
10. Receipt of requisite process fee vide transaction reference no: 2503190002580 dated 25/03/2019 for Rs.1000/-

Hence, you are requested to kindly find the above and do the needful towards grant of permission to abstract ground water for industrial use.

Thanking you

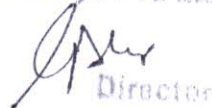
Faithfully yours

For Santpuria Alloys Pvt. Ltd.


Director

Certified to be true

Santpuria Alloys Pvt. Ltd.


Director

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/344/JH/IND/2019

1. General Information:

Water Quality: Fresh Water
Application Type Category/ Type of Application: Steel Industry
(i) Name of Industry: SANTPURIA ALLOYS PRIVATE LIMITED
(ii) Location Details of the Industrial Unit- (Attach Approved Site Plan with Location Map) (\$)
Address Line 1 : VILLAGE:MANJHALADIH,P.O.:GADISRIRAMPUR,
TUNDI ROAD,GIRIDIH:815302
Address Line 2 :
Address Line 3 :
State: JHARKHAND
District: GIRIDIH
Sub-District: GIRIDIH
Village/Town: Majhiladih
Latitude: 24.074700
Longitude: 86.211500
Area Type : Non-Notified
Area Type Category : Safe

(iii) Communication Address

Address Line 1: VILLAGE: MANJHALADIH, P.O.:GADISRIRAMPUR,
TUNDI ROAD, GIRIDIH:815302
Address Line 2:
Address Line 3:
State: JHARKHAND
District: GIRIDIH
Sub-District: GIRIDIH
Pincode: 815302
Phone Number with Area Code:
Mobile Number: 91 8825167267
Fax Number:
E-Mail: santpuria2006@gmail.com

(iv) Salient Features of the Industrial Activity:

Santpuria alloys pvt ltd is manufacturing sponge iron which is used in secondary steel industries to make steel.

(v) Land Use Details of the Existing / Proposed Industrial Unit Premises Ownership of the Land :

Land Use Details	Existing (sq meter)	Proposed (sq meter)	Grand Total (sq meter)
Green Belt Area	21500.00	0.00	21500.00
Open Land <i>Certified to be true</i>	34710.00	0.00	34710.00

Santpuria Alloys Pvt. Ltd.

25/03/2019 12:23 PM

Page 1 of 6


Director

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/344/JH/IND/2019

Road/ Paved Area	1500.00	0.00	1500.00
Rooftop area of building/ sheds	6298.00	0.00	6298.00
Total	64008.00	0.00	64008.00

- (vi) Drainage in the Area (River/ Nala etc) : USRI RIVER IS ABOUT 5 KM FROM PROJECT SITE.
- (vii) Source of Availability of Surface Water for Infrastructure Use (Submit Water Availability / Non Availability Certificate):(\$) we use ground water
- (viii) Average Annual Rainfall in the Area (in mm): 1350.00
- (ix) Townships / Villages (Within 2km Radius of the Industrial Unit): No village is situated within 2km radius of the industrial unit.
- (x) Whether Ground Water Utilization for: Existing Industry
Date of Commencement Industry: 16/02/2006
Date of Expansion :

2. Details of Water Requirement (Fresh and Recycled Water Usage):

(Please Enclose Water Balance Flow Chart of Activities and Requirement of Water at each Stage) (\$)

(i) Total Water Requirement (a+b+c+d) (m3/day)

	Existing	Proposed	Total
Water Requirement Details (Fresh Water) (m3/day)			
(a) Ground Water Requirement (m3/day):	12.00	0.00	12.00
(b) Surface Water Available (Canal, River, Ponds etc.) (m3/day):	0.00	0.00	0.00
(c) Water Supply from Any Agency (m3/day):	0.00	0.00	0.00
Total Fresh Water Requirement (a+b+c)(m3/day):	12.00	0.00	12.00
(d) Recycled Water Usage (m3/day):	0.00	0.00	0.00
Total Water Requirement : (a+b+c+d)(m3/day)	12.00	0.00	12.00

(ii) Breakup of Water Requirement and Usage:

Activity	Existing Requirement (m3/day)	Proposed Requirement (m3/day)	Total Requirement (m3/day)	No. of Operational Days in a Year	Annual Requirement (m3/year)
Industrial Activity	9.00	0.00	9.00	300	2700.00
Residential / Domestic	1.50	0.00	1.50	300	450.00
Greenbelt Development /Environment Maintenance	1.00	0.00	1.00	300	300.00
Other Use	0.50	0.00	0.50	0	0.00
Grand Total	12.00	0.00	12.00		3450.00

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/344/JH/IND/2019

(iii) Breakup of Recycled Water Usage:

	(m3/day)	(Days)	(m3/year)
(a) Total Waste Water Generated :	0.00	0	0.00
(b) Quantity of Treated Water Available	0.00		
i). Reuse in Industrial Activity:	0.00	300	0.00
ii). Reuse in Green Belt Development:	0.00	300	0.00
iii). Other Uses:	0.00	0	0.00
(c) Total Treated Water Utilized:	0.00		0.00

Net Ground Water Requirement: 12.00 (m3/day)

3. (a). Groundwater Abstraction Structure- Existing:

Number of Existing Structures: 1

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operatio nal Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether Fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof
1	Borewell / 2006	120.00 / 150	20.00	3.00	4 / 300	Submer sible Pump	3.00	Yes	No / -

(b). Groundwater Abstraction Structure- Proposed:

Number of Proposed Structures: 0

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operatio nal Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof

4. Groundwater Availability (Please Enclose a Comprehensive Report / Note on Groundwater Condition in and Around the Area) Applicable to Industries Consuming Greater Than 500 m3/day : (\$)

OUR REQUEST FOR WATER ABSTRACTION IS 12 M3/PER DAY HENCE, DOCUMENT STATED ABOVE IS NOT REQUIRED.

5. Details of Rainwater Harvesting and Artificial Recharge Measures Proposed / Implemented. If Ground Water Recharge outside the

Industrial Unit Premises, then provide NOC from the Concern Authority / Agency if Already implemented, details may be furnished. (Attach Rainwater Harvesting /Artificial Recharge Proposal).(\$)

DETAILS OF RAIN WATER HARVESTING SYSTEM IS ATTACHED IN THE ATTACHMENT SECTION.

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/344/JH/IND/2019

6. Consent to Operate / Establish / Approval Letter from Statutory Bodies viz Ministry of Environment & Forests (MoEF) or State Pollution Control Board (SPCB) or State Level Expert Appraisal Committee (SEAC) or State Level Environment Impact Assessment Authority (SLEIAA): (\$)

Attached Consent/ Approval of Government Agency (Previous: Referral Letter)

Letter Number EC/SEIAA/2014-15/570/2014/306 DATED 13/12/2018

S.No	Consent /Approval of Government Agency	Attachment Name	File Name
1	State Pollution Control Board	CONSENT TO OPERATE	01 SAPL C IO(192).pdf
2	Ministry of Environment and Forests	ENVIRONMENT CLEARANCE	01 SAPL EC.pdf

7. Have You Applied Earlier for Groundwater Clearance from CGWA / State Government Agency:

If Yes, so Details thereof with Status:

INDUSTRIAL USE- Self Declaration

- It is to certify that no case related to ground water withdrawal/ contamination is pending against the industry/ project/ unit as on date. Any such case filed against the company/ project/ unit in respect of ground water withdrawal/ contamination during the pendency of this application shall be immediately brought to the notice of CGWA.

It is to Certify that the Data and Information Furnished Above are True to the Best of My Knowledge and Belief and I am Aware that if Any Part of the Data / Information Submitted is Found to be False or Misleading at Any Stage the Application will be Rejected Out Rightly.

1. Application Proforma is Subject to Modification from Time to Time.
2. Application should be submitted to Regional Office.

Regional Director, Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, PATNA, BIHAR, 800011

3. Incomplete Application will be Summarily Rejected.

Submitted Application will not be Processed till the Print Out of the Signed Complete Application is Submitted to Regional Office.

4. Applicant has to Submit Processing Fee of Rs. 1000.00/- (Rupees One Thousand Only) through NON TAX RECEIPT PORTAL (<https://bharatkosh.gov.in>). A receipt will be generated. Please fill in the Transaction Ref No. and Date from the receipt, in print out of application and attach receipt along with hard copy of application.

Bharatkosh Details:-

Transaction Ref

Number:-

Dated:-

Note:- The Processing Fee is Non-Refundable. Applicant should ensure and Check Eligibility of Submission of Application and Required Documents before Submitting Online Application.

Attached Files:

- 1). Site Plan with Location Map (Previous: Site Plan) : (Refer: 1 (ii))

S.No	Attachment Name	File Name
1	SITE PLAN	02 SAPL LAY OUT.PDF
2	LOCATION MAP	02 SAPL LOCATION MAP.PDF

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/344/JH/IND/2019

2). Certified Revenue Sketch : (Refer: 1 (ii))

No Attachment Found!

3). Documents of Ownership / Lease : (Refer: 1 (v))

No Attachment Found!

4). Source Water Availability/Non-availability Certificate(Previous: Source of Availability of Surface Water) :
(Refer: 1 (vii))

S.No	Attachment Name	File Name
1	WATER NON AVAILABILITY CERTIFICATE	SAPL WATER CLEARANCE REPORT FROM WATER SUPPLYING AUTHORITY.pdf

5). Water Balance Flow Chart (Previous: Enclose Flow Chart of Activity and Requirement of Water): (Refer: 2)

S.No	Attachment Name	File Name
1	WATER FLOW CHART	water flow cahrt SAPL.pdf

6). Hydrogeological Report(Previous: Groundwater Availability Report) : (Refer: 4)

S.No	Attachment Name	File Name
1	HYDROLOGICAL REPORT NOT REQUIRED	07 SAPL COMPREHENCIVE REPORT NA.pdf

7). Rain Water Harvesting/Artificial Recharge proposal(Previous: Details of Rainwater Harvesting / Artificial Recharge Measures) : (Refer: 5)

S.No	Attachment Name	File Name
1	RAIN WATER HARVESTING	RWH SAPL.pdf
2	RWH PHOTO	RWH PIX 1.jpg
3	PHOTO	RWH PIX 2.jpg
4	PHOTOGRAPH	RWH PIX 3.jpg
5	RWH PHOTOGRAPH	RWH PIX 5.jpg

8). Authorization Letter (Previous: Authorization) :

S.No	Attachment Name	File Name
1	AUTHORISATION LETTER	Authorisation letter SAPL.pdf

10). Ground Water Quality Report(Previous: Non-Polluting Effluent) :

S.No	Attachment Name	File Name
1	GROUND WATER ANALYSIS	Ground water analysis SAPL.pdf

11). Extra Attachment :

No Attachment Found!

12). Scanned Industrial Application :

No Attachment Found!

Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation
Applications for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)

Application Number : 21-4/344/JH/IND/2019

Date : 25/03/2019

Place : Giridih

Processing fee Receipt
Transaction Reference No: 2503190002580 dtd: 25/3/19
For Rs. 1000/- enclosed herewith

Name & Signature of the applicant
(With official seal)

GUNWANT SINGH SALUJA

Associated User : SANTPURIA

Submitted By User : SANTPURIA

Submission Date : 25/03/2019

Santpuria Alloys Pvt. Ltd.

[Signature]
Director

* In case signed by any authorized signatory, the details of the signatory with the authorization shall be enclosed.

On-line Payment Receipt

Receipt No. 467434357
 Depositor Name SRI GUNWANT SINGH SALUJA
 Bank Name. State Bank of India
 Bank Id. 530
 Application No. 7455127
 Name and Address of Industry SANTPURIA ALLOYS PVT. LIMITED,
 AT:MANJHALADIH,P.O:GADISRIRAMPUR,DISTRICT:GIRIDIH,
 PIN:815301,STATE:JHARKHAND, GIRIDIH, GIRIDIH
 Name of Regional Office Hazaribagh
 Applied For HWM
 Payment Date 2020-01-24 14:13:55.796
 Amount Paid (Rs.) 20000.0
 Transaction Status Successfully Completed

Payment Details

HWM (Rs.) 20000.0
 Total (Rs.) 20000.0

Certified to be true

Santpuria Alloys Pvt. Ltd.


 Director



Jharkhand State Pollution Control Board

FORM 1

[See Rules 6(1)]

Application Required For Grant/Renewal Of Authorisation For Generation Or Collection Or Storage Or Transport Or Reception Or Recycling Or Reuse Or Recovery Or Pre Processing Or Co- Processing Or Utilisation Or Treatment Or Disposal Of Hazardous And Other Waste

Part A: General(to be filled by all)

1.	Name and address of the unit and location of facility:		SANTPURIA ALLOYS PVT. LIMITED AT:MANJHALADIH,P.O:GADISRIRAMPUR,DISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND							
(a)	Name of the Occupier of the facility or operator of disposal facility with designation, Tel, Fax and e-mail:		SRI GUNWANT SINGH SALUJA/DIRECTOR/9431144052/gunwantsaluja@gmail.com							
(b)	Authorisation required for(Please tick mark appropriate activity or activities:)		Generation,Collection,Storage,Transportation,Reception,Reuse,Utilisation,Treatment,Disposal							
(c)	In case of renewal of authorization previous authorization numbers and dates and provide copies of annual returns of last three including the compliance reports with respect to the conditions of Prior Environmental Clearance, wherever applicable:)		Not Attached							
(d)	2 Nature and quantity of Hazardous waste handled in T/Annum (or) KL/Annum									
	Name of Process	Name of Hazardous Waste (Category No)	Quantity	Waste Type	Waste Storage	Waste Disposal	Source of generation of waste	Physical status	Quantity stored at any time	Quantity accumulated as on 31st March
	other	other	0.100 KL/Annum	Recyclable	Plastic Drums	for lubricating purpose	DG Sets	Oily	0.050	0.050 KL
3 a)	Year of commissioning and commencement of Production?					2006				
b)	Whether the industry works 1 shift/2 shifts/round the clock?					one shifts				

4	<p>Provide copy of the Emergency Response Plan (ERP) which should address procedures for dealing with emergency situations (viz. Spillage or release or fire) as specified in the guidelines of Central Pollution Control Board. Such ERP shall comprise the following, but not limited to:</p> <ul style="list-style-type: none"> •Containing and controlling incidents so as to minimise the effects and to limit danger to the persons, environment and property; •Implementing the measures necessary to protect persons and the environment; •Description of the actions which should be taken to control the conditions at events and to limit their consequences, including a description of the safety equipment and resources available; •Arrangements for training staff in the duties which they are expected to perform; •Arrangements for informing concerned authorities and emergency services; and •Arrangements for providing assistance with off-site mitigatory action. <p>(To be attached separately)</p>	Not Attached
5	<p>Provide undertaking or declaration to comply with all provisions including the scope of submitting bank guarantee in the event of spillage, leakage or fire while handling the hazardous and other waste</p> <p>(To be attached separately)</p>	Not Attached

Part B: To be filled by hazardous waste generators

a	Products and by-products manufactured (names and product wise quantity per annum):		,AT:MANJHALADIH,P.O:GADISRIRAM PUR,DISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND						
b	Process description including process flow sheet indicating Inputs and Outputs (raw materials, chemicals, products, by-products,wastes, emissions, wastewater etc.) Please attach separate sheets:)		Not Attached						
c)	Characterstics(waste-wise) and Quantic of waste generation per annum:								
	Schedule	Name of Process	Name of Hazardous Waste (Category No)	Quantity	Characte ristics of each waste	The details of utilization with in the plants such as Reuse/ Recycling/ Recovery/R eprocessing etc	If not utilised within the plant, provide details of what is done with this waste	Details of arrangement s for transportatio n to actual users/ TSDF	Details of the environment al safeguards and environment al facilities provided for safe handling

d)	Hazardous and other wastes generated from storage of hazardous chemicals as defined under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.	,AT:MANJHALADIH,P.O:GADISRIRAMPUR,DISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND,AT:M ANJHALADIH,P.O:GADISRIRAMPUR,D ISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND,AT:M ANJHALADIH,P.O:GADISRIRAMPUR,D ISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND,AT:M ANJHALADIH,P.O:GADISRIRAMPUR,D ISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND,AT:M ANJHALADIH,P.O:GADISRIRAMPUR,D ISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND
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Part C: To be filled by Treatment, storage and disposal facility operators

1) Provide details of the facility including:		
i)	Location of site with layout map:	,AT:MANJHALADIH,P.O:GADISRIRAMPUR,DISTRICT:GIRIDIH, PIN:815301,STATE:JHARKHAND
ii)	Safe storage of the waste and storage capacity	
iii)	The treatment processes and their capacities	
iv)	Secured Landfills	
v)	Incineration, if any	
vi)	Leachate Collection and Treatment System	
vii)	Fire Fighting Systems	
viii)	Environmental management plan including monitoring	
ix)	Arrangement for transportation of waste from generators	
2)	Provide details of Any other activities undertaken at the Treatment, storage and disposal facility site.	Not Attached
3)	Attach a Copy of prior Environmental Clearance	Not Attached

Part D: To be filled by recyclers or pre-processors or co-processors or users of hazardous or other wastes

1.	Nature and quantity of different wastes received per annum from domestic sources or imported or both:		
	Hazardous Wastes Type	Quantity	Source (Domestic/Imported)
2.	Installed capacity as per registration issued by the District Industries Centre or any other authorised Government agency. Provide copy:		Not Attached

3.	Provide details of secured storage of wastes including the storage capacity	Not Attached
4.	Process description including process flow sheet indicating equipment details, inputs and outputs (input wastes, chemicals, products, by-products, waste generated, emissions, waste water, etc.) Attach separate sheets:	Not Attached
5.	Provide details of end users of products or by-products	Not Attached
6.	Provide details of pollution control systems such as Effluent Treatment Plant, scrubbers, etc. including mode of disposal of waste	Not Attached
7.	Provide details of occupational health and safety measures	
8.	Has the facility been set up as per Central Pollution Control Board guidelines? If yes, provide a report on the compliance with the guidelines:	"""" Not Attached
9.	Arrangements for transportation of waste to the facility	


Place:

Date:

Signature of the Applicant

Name and Designation

Santpuria Alloys Pvt. Ltd.


Director

----This is computer generated application ----

<http://jhkocmms.nic.in/> - (JSPCB)



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

ECO ENVIRO LAB

ISO9001:2015, ISO 14001:2015, OHSAS 18001:2007 & JSPCB & NABL Accreditation
2208/A, Jagannath Nagar, Pundag Road, Near Anand Gas Godown, Argora, Ranchi, Jharkhand - 834012.
Email ID - iem2012@rediffmail.com, Mob. No. - 8407804253.

Stack Emission Test Report

INDUSTRY NAME & ADDRESS: SANTPURIA ALLOYS PVT. LIMITED, AT:MANJHALADIH,P.O:GADISRIRAMPUR,DIST:GIRIDIH PIN:815301, STATE:JHARKHAND, GIRIDIH	Type of Industry : Sponge Iron Plant Sample Description : Stack Emission Sampling Date: .15.03.2020 to 16.03.2020 Sample Registration:17.03.2020
Test Report No : IEM/EEL/RAN/MAR/AAQ/0083C Report Issue Date : 21/03/2020 Work order No.: Application No :7764194,Date: 02.03.2020, Time 01:21 Protocol : IS Method & CPCB Guideline	Customer Rept. : Mr. DK Sinha Sample Drawn By: Rajiv Kumar Singh & team

General Physical Information		
1.	Plant Condition	Running
2.	Emission Due to	Burning of Coal
3.	Stack Height from Ground Level in Meter	40
4.	Port Hole Height from Ground Level in Meter	25
5.	Shape of Stack	Circular
6.	Inner Dimension of Stack in Meter	2
7.	Stack Connected to	ESP of rotary Kiln No. 1 & 2
8.	Type of Fuel Used	Coal
9.	Pollution Control Device if any	ESP
10.	Production Capacity

Flue Gas Emission Analysis			
Sl. NO.	Parameters	Protocol	Result
1.	Flue Gas Temperature(°C)	IS 11255 (Part-3)	139
2.	Moisture in Flue Gas (%)	CPCB Guideline	1.84
3.	Absolute Stack Gas Pressure (mm Hg)	CPCB Guideline	739.79
4.	Flue Gas Velocity (m/s)	IS 11255 (Part-3)	7.50
5.	Stack Gas Volumetric Flow Rate (Nm ³ /hr.)	IS 11255 (Part-3)	57848
6.	Particulates Matter (mg/Nm ³)	IS 11255 (Part-1)	96
7.	SO _x Concentration as SO ₂ (mg/Nm ³)	IS 11255 (Part-2)	124
8.	NO _x Concentration as NO ₂ (mg/Nm ³)	IS 11255 (Part-7)	91
9.	Carbon Monoxide (CO) in %	IS 13270	<1%

Emission Rate		
Dust	Kg/hr	5.55
Sulphur Dioxide	Kg/hr	7.17
Oxide of Nitrogen	Kg/hr	5.26

Certified to be true
 Tested by
 Analyst
 Santpuria Alloys Pvt. Ltd.

 Director

Checked By
 (Sunil Kumar Singh)
 Lab In-charge cum Technical Manager





INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

ECO ENVIRO LAB

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 Email ID - iem2012@rediffmail.com, Mob. No. - 8407804253.

Ambient Noise levels Monitoring Report

INDUSTRY NAME & ADDRESS: SANTPURIA ALLOYS PVT. LIMITED, AT:MANJHALADIH,P.O:GADISRIRAMPUR,DIST:GIRIDIH PIN:815301, STATE:JHARKHAND, GIRIDIH	Type of Industry : Sponge Iron Plant Sample Description : Ambient Noise Level Sampling Date : .15.03.2020 to 16.03.2020 Sample Registration Date : 17.03.2020
Test Report No : IEM/EEL/RAN/MAR/NOISE/0083B Report Issue Date : 21/03/2020 Work order No.: Application No : 7764194 ,Date: 02.03.2020, Time 01:21 Protocol : IS Method & CPCB Guideline	Customer Rept. : Mr. DK Sinha Sample Drawn By: Rajiv Kumar Singh & team

METEROLOGICAL INFORMATION				Location & Co-ordinate	
Average Temp (°C)	Average Relative Humidity (%)	Average Barometric Pressure (mm of Hg)	Weather Condition:	A ₁	Near Store 24°07'47.20"N; 86°21'02.97"E
25	71	740	Cloudy	A ₂	Near Kanta Room 24°07'47.85"N; 86°21'06.74"E
				A ₃	Near Ground Hopper 24°07'51.31"N; 86°21'00.05"E

Equivalent Continuous Sound Level (Leq) in dB												
Time Weighted Average 'A' of the level of Sound in decibels on scale A												
Result (4 hours Interval)									CPCB Limit in dB(A)			
Sound Level-Leq dB(A)									Area Code	Category of Area Zone	Day Time	Night Time
Day Time (DT) (6 AM to 10PM)					Night Time (NT) (10 PM to 6 AM)						(6 AM to 10PM)	(10 PM to 6 AM)
Location	DT ₁ (06-10)	DT ₂ (10-02)	DT ₃ (02-06)	DT ₄ (06-10)	AVG.	NT ₁ (10-02)	NT ₂ (02-06)	AVG.	A	Industrial Area	75	70
A ₁	61.3	69.5	66.2	56.3	63.33	44.0	41.9	42.9	B	Commercial Area	65	55
A ₂	64.1	74.6	69.3	59.6	66.9	46.2	43.8	45.0	C	Residential Area	55	45
A ₃	67.9	78.4	75.2	65.7	71.8	48.4	45.1	46.8	D	Silence Zone	50	40

Remarks:-All values are observed well within the prescribed limit for industrial area.

Certified to be true

Santpuria Alloys Pvt. Ltd.

[Signature]
 Tested by
 Analyst

[Signature]
 Director

[Signature]
 Checked By
 (Sunil Kumar Singh)
 (Lab Incharge cum Technical Manager)

[Signature]
 Authorized Signatory
 (Dr. ...)
 (Director & QC Manager)

Note:-1. The results refer only to the tested sample of applicable parameters. 2. The sample will be preserved for a maximum of 7 days from the date of issue of the certificate. 3. The certificate shall not be reproduced in part or full and can't be used as evidence or in court of law without prior permission in writing. 4. All disputes are subjected to the Ranchi jurisdiction



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Email ID – iem2012@rediffmail.com, Mob. No. – 8407804253.

Ambient Air Quality Test Report

INDUSTRY NAME & ADDRESS: SANTPURIA ALLOYS PVT. LIMITED, AT:MANJHALADIH,P.O:GADISRIRAMPUR,DIST:GIRIDIH PIN:815301, STATE:JHARKHAND, GIRIDIH	Type of Industry : Sponge Iron Plant Sample Description : Ambient Air Quality Sampling Date: .15.03.2020 to 16.03.2020 Sample Registration Date : 17.03.2020
Test Report No : IEM/EEL/RAN/MAR/AAQ/0083A Report Issue Date : 21/03/2020 Work order No.: Application No : 7764194 ,Date: 02.03.2020, Time 01:21 Protocol : IS Method & CPCB Guideline	Customer Rept. : Mr. DK Sinha Sample Drawn By: Rajiv Kumar Singh & team

METEROLOGICAL INFORMATION

Average Temp(°C)	Average Relative Humidity (%)	Average Barometric Pressure (mm of Hg)	Weather Condition	Wind Direction
25	71	740	Cloudy	From NE towards SW

Concentration in Ambient Air (Industrial, Residential, Rural and Other Area)

Time Weighted Average- 24 Hours

Parameters	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)
Method Name	Improved West & Gaeke method	Jackob & Hochheiser Modified Method	Gravimetric Method
NAAQMS/36/2012-13	IS 5182 (Part-02)	IS 5182 (Part-06)	IS 5182 (Part-23)
Location	Sampling Point Co- ordinate	Concentration in Ambient Air as per NAAQS- 2009 For 24 Hours	
		80	80
Near Store Room	24°07'47.06"N 86°21'02.06"E	8.61	10.75
Near Kanta Room	24°07'47.52"N 86°21'06.05"E	9.36	11.08
Near Ground Hopper	24°07'51.82"N 86°20'59.98"E	10.42	11.51
Maximum		10.42	11.51
Minimum		8.61	10.75
Average		9.52	11.13

Certified to be true

Santpuria Alloys Pvt. Ltd.

Tested by
Analyst

Checked By
(Sunil Kumar Singh)
(Lab Incharge cum Technical Manager)

Director

Authorized Signatory
(S.C. Jaisankar)
(Director & QC Manager)



Note:-1. The results refer only to the tested sample of applicable parameters. 2. The sample will be preserved for a maximum of 7 days on request from the date of issue of the certificate. 3. The certificate shall not be reproduced in part or full and can't be used as evidence or in court of law without prior permission in writing. 4. All disputes are subjected to the Ranchi jurisdiction



Eco Care



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ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

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ASANSOL-713304 (W.B.)

ULR NO – TC510919000001688F

Format No. : EC/TRT/42/FM/04

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191250
Test Report No : EC/TR/42/12250	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 09.12.19 to 10.12.19
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.12.19 to 12.12.19
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Santpuria Alloys Pvt. Ltd Manjhaladih P.O – Gadi Srirampur Giridih, Jharkhand	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	14.6 °C	2	Barometric Pressure	756 mm of Hg
3	Average Relative Humidity	59.0 %	4	Weather Condition	Clear Day

AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40 (pt 50), Appendix1
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM ₁₀ (µg/M ³)	PM _{2.5} (µg/M ³)
Method Detection Limit	5	8	20	10
1. Sampling Location : Near Office/Weigh Bridge- Lat-24°7'49.91173" (N) Long-86°21'11.82166" (E)				
Shift - A (09:20 AM To 05:20 PM)	40.15	42.28	81.18	32.61
Shift - B (05:30 PM To 01:30 AM)	28.79	32.63	64.65	
Shift - C *(01:40 AM To 09:40 AM)	32.58	35.68	73.86	
Average (Shift - A To Shift - C)	33.84	36.86	73.23	
2. Sampling Location : Near Iron Ore Shed- Lat-24°7'51.99244" (N) Long-86°20'59.97743" (E)				
Shift - A (09:50 AM To 05:50 PM)	36.36	39.52	75.29	39.91
Shift - B (06:00 PM To 02:00 AM)	25.00	30.56	58.37	
Shift - C (02:10 AM To 10:10 AM)	28.79	33.32	69.43	
Average (Shift - A To Shift - C)	30.05	34.47	67.70	
3. Sampling Location : Near ESP Stack Area- Lat-24°7'48.88835" (N) Long-86°20'59.13374" (E)				
Shift - A (10:10 AM To 06:10 PM)	32.58	36.08	71.08	43.28
Shift - B (06:20 PM To 02:20 AM)	21.21	28.49	59.26	
Shift - C (02:30 AM To 10:30 AM)	25.00	31.25	66.45	
Average (Shift - A To Shift - C)	26.26	31.94	65.60	

1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory.

Santpuria Alloys Pvt. Ltd.

[Signature]
Director

[Signature]
Authorised Signatory
Nupur Chatterjee
B. Sc. M. Sc. (Env. Sc.)
Dy. Technical Manager



NABL ACCREDITED
Certificate No. TC-5109

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ASANSOL-713304 (W.B.)

ULR NO – TC510919000001689F

Format No. : EC/TRT/42/FM/04

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191250
Test Report No : EC/TR/42/12251	Source of Sample : Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 09.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.12.19 to 12.12.19
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Santpuria Alloys Pvt. Ltd Manjhaladih P.O – Gadi Srirampur Giridih, Jharkhand	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

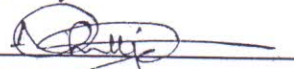
METEOROLOGICAL INFORMATION

1	Average Temperature	14.6 °C	2	Barometric Pressure	756 mm of Hg
3	Average Relative Humidity	59.0 %	4	Weather Condition	Clear Day

1. Sampling Location : 9.8 Meter Distance from Raw Material Crusher & Product Handling Area

Sl. No	Parameters	Test Method	Results
1	Concentration of Total Suspended Particulate Matter	IS : 5182 (Part – 4)	645.27 µg/M ³

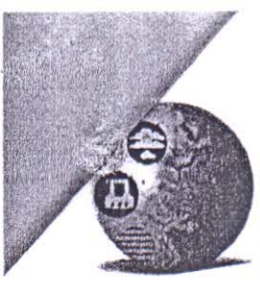
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3. The Test report shall not be reproduced, without the written approval of laboratory.


Authorised Signatory
Nupur Chatterjee
B. Sc. M. Sc. (Env. Sc.)
Dy. Technical Manager

Certified to be true

Santpuria Alloys Pvt. Ltd


Director



Eco Care



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ASANSOL-713304 (W.B.)

ULR NO – TC510919000001690F

Format No. : EC/TR/42/FM/07

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191250
Test Report No : EC/TR/42/12252	Source of Sample : Sponge Iron Plant
Type of Sample : Noise	Sampling Date : 09.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Ambient Noise	Sample Condition : ----
Name & Address : Santpuria Alloys Pvt. Ltd Manjhaladih P.O – Gadi Srirampur Giridih, Jharkhand	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	14.6
2	Average Relative Humidity (%)	59.0
3	Barometric Pressure (mm of Hg)	756
4	Weather Condition	Clear Day

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL		
	Minimum	Leq – Mean	Maximum
1. Near Office/Weigh Bridge Lat-24°7'49.91173" (N) Long-86°21'11.82166" (E)	57.30 dB(A)	68.74 dB(A)	73.40 dB(A)
2. Near Iron Ore Shed Lat-24°7'51.99244" (N) Long-86°20'59.97743" (E)	59.20 dB(A)	66.22 dB(A)	68.90 dB(A)
3. Near ESP Stack Lat-24°7'48.88835" (N) Long-86°20'59.13374" (E)	57.10 dB(A)	65.04 dB(A)	69.60 dB(A)

1. Test values are reported based on the samples received.
2. The Test report shall not be reproduced, without the written approval of laboratory

Certified to be true

Santpuria Alloys Pvt. Ltd.

Director

Authorised Signatory
Nupur Chatterjee
B. Sc. M. Sc. (Env. Sc.)
Dy Technical Manager



Eco Care



NABL ACCREDITED
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ULR NO – TC510919000001691F

Format No. : EC/TRT/42/FM/06

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191250
Test Report No : EC/TR/42/12253	Source of Sample : Sponge Iron Plant
Type of Sample : Ground Water	Sampling Date : 09.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 11.12.19 to 12.12.19
Sample Details : Bore Well	Sampling Location : Near Main Gate
Name & Address : Santpuria Alloys Pvt. Ltd Manjhaladih P.O – Gadi Srirampur Giridih, Jharkhand	Sample Condition : Sealed & Preserved
	Sample Stamped as : "SAPL – 104"
	Sample Drawn By : ECO CARE
	Remarks : ---
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

Sl. No.	Parameters	Unit	Test Method (APHA 23 rd Edition)	Standards (IS:10500)	Results
1	pH at 24.2 °C		4500-H ⁺ B	6.5 – 8.5	7.16
2	TDS	mg/l	2540 C	500.0	393.80
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	155.80
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	33.27
6	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	167.28
7	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	53.96
8	Sulphate (as SO ₄ ²⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	21.86
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.09
10	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	7.93

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2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
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Certified to be true

Santpuria Alloys Pvt. Ltd.

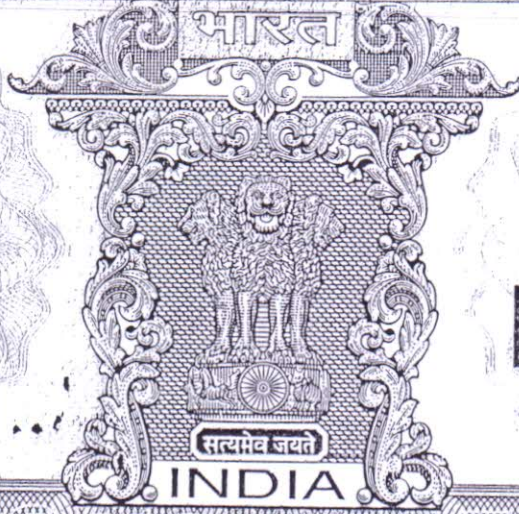
Director

Authorised Signatory
Nupur Chatterjee
B. Sc. M. Sc. (Env. Sc.)
Dy Technical Manager

भारतीय गैर न्यायिक

पचास
रुपये

रु. 50



FIFTY
RUPEES

Rs. 50

INDIA

INDIA NON JUDICIAL

झारखण्ड JHARKHAND

C 865717-

CONTRACT AGREEMENT

This agreement made on this day of 04.04.2019 between M/S. **SANTPURIA ALLOYS PVT LIMITED, AT-GIRIDIH**. Herein after referred as the first party whose terms expression unless repugnant to the context shall mean and including its successor, representative and assign on part.

AND

SOLAR AND ENERGY SAVING COMPANY, having its head office at 201/B, Satya Ganga Arcade Lalji Hirji Road, Main Road Ranchi-834001. Herein after referred as the second party whose terms/ expression unless repugnant to the context shall mean and includes its successor, representative and assigns on the other part.

WHEREAS, M/S. **SANTPURIA ALLOYS PVT LIMITED**, is desirous for supply, installation and Commissioning of Grid interacted SPV Power Plant of 5 KWP

P/1

Certified to be true

Santpuria Alloys Pvt. Ltd.

Director

P/2

AND

SOLAR AND ENERGY SAVING COMPANY, has agreed to supply, installation, and commissioned the projects as per terms and conditions of Jharkhand renewable Energy Development Agency (A State Govt. Agency under Department of Energy) 3rd Floor, S.L.D.C Building, Kusai Colony, Doranda, Ranchi-834002. Vide JREDA NIB No.: 15/JREDA/ROOFTOP/EC/18-19 dated /26/10/2018.

Whereas **SOLAR AND ENERGY SAVING COMPANY**, has been awarded contract for implementation of Grid Connected Roof Top Solar PV System vide allocation letter no: 1534/JREDA/ROOFTOP/EC/18-19 dated /26/10/2018 from the stage of preparation of project report till the commissioning of project.

AND

WHEREAS the parties here to agreed to enter into this agreement as per terms and conditions have set hereinafter.

NOW THE PARTIES AGREE:

1. That **M/S. SANTPURIA ALLOYS PVT LIMITED** will provide requisite shadow free space for commissioning of said project.
2. That the cost of project shall include the cost of Supply, installation and commissioning including taxes and transportation up to respective site.
3. That it is hereby agreed that the terms and conditions and scope of work would be as under:-

1.1 Name of Work :

Supply, installation and Commissioning of Grid connected roof top SPV Power Plant of **5 KWP** at **M/S. SANTPURIA ALLOYS PVT LIMITED, AT GIRIDIH** where solar rooftop plant will be installed.

Balvinder Singh

1.2 Scope of work for **SOLAR AND ENERGY SAVING COMPANY**, Shall include the following :-

- 1) Execute the Project as per JREDA specification
- 2) Site survey and layout planning.
- 3) Design, development and supply of all components of the SPV Power system.
- 4) Transportation of SPV Power system up to site.
- 5) Installation and Commissioning of SPV Power System up to AC Distribution Board & LT panel.
- 6) Training the customers for operation and first maintenance including operation of Solar System and its accessories if any.
- 7) Maintenance which includes repairing/replacement of spare parts during the warranty period for 5 years (to be counted from the date of installation and Commissioning)

1.3 Scope of work For M/S. SANTPURIA ALLOYS PVT LIMITED

- i) Arranging a shadow free area.
- ii) Providing safe storage for Supply Materials & installation material till the site is handed over.
- iii) Distribution of dedicated solar load through internal wiring will be in scope of purchaser. Wiring and Connection beyond Solar ACDB shall be in the scope of customer.
- iv) Taking hand over the system from **SOLAR AND ENERGY SAVING COMPANY**, immediately after completion of installation and to export energy

Balvinder Singh

- v) and Readiness. In case there is a delay in Grid Connectivity from Respective DISCOM from respective Discom beyond 15 days from readiness of Solar
- vi) system to exports energy, the solar system should be deemed to be commissioned and handed over by **SOLAR AND ENERGY SAVING COMPANY**, to the customer.

1.4 Cost of Project

SL NO	Description	Unit price (Rs)	Total(Rs) For 5 kw	Central Financial Assistance available to Industrial/commercial consumers* @ 10% (INR/kWp)	Effective Cost After Subsidy	For 5kw cost after subsidy
1.	Supply of 5 KWP Grid connected with Battery Solar power plant at Roof top power plant.	54,300	2,71,500	5,430	48,870	2,44,350
	TOTAL AMOUNT		2,71,500			2,44,350

The above cost subsidy amount of Rs 48,870/- watt is totaling to Rs 2,71,500/- Therefore the net price after subsidy amount is Rs 2,44,350/-. The subsidy amount shall be claimed from JREDA and shall be deducted from the customer.

1.5 Tax and Duties

Taxes and duties will be applicable as per upcoming GST Rules.

1.6 Maintenance

The maintenance as and when required would be undertaken by during the warranty period of Five years.

1.7 Warranty

SPV Modules carry a performance warranty for 25 years against excess of 10% degradation in first 10 years and in excess of 20% degradation till end of 25 years. The warranty shall not apply to any damage or defects arising out of

Radvindeh Singh

willing damages and/or misuse of equipments. More over standard force majeure clause shall be applicable. Warranty for other component is for 5 years.

1.8 Inspection & Testing of Materials

The project will be monitored by JREDA and Project will be inspected any time during execution to till end of 5 years warranty. The customers shall assist the authorized representative of JREDA for inspection. Monthly generation report has to be forwarded by the customer to **SOLAR AND ENERGY SAVING COMPANY**, for Onward transmission to JREDA.

1.9 Commission

The project shall be commissioned within 60 days from the data of the agreement subject to site clearance and compliance to payment mile stone by the customer.

2.0 payments:-

As per mentioned the Final offer submitted by **SOLAR AND ENERGY SAVING COMPANY**,

2.1 Settlement of Disputes

The parties herein above shall amicably resolve the dispute or differences at operation level. Should the parties be unable to reach consensus on the meeting or interpretation of any of the clauses set here to or any other matters arising out this agreement the matter in dispute shall be resolved and settled by JREDA/ independent arbitrator whose decision in the matter will be final and binding on both the parties.

Balwinder Singh

In the witness thereof, the parties have set their hands and seals on the day, month and year first written above.

For and on behalf of customer- M/S SANTPURIA ALLOYS PVT LIMITED	For and on behalf of SOLAR AND ENERGY SAVING COMPANY
Name: <i>Balvinder Singh</i>	Name: <i>Sarjit Mukherjee</i>
Designation: <i>Director</i>	Designation: <i>Solar Engineer</i>
Signature: <i>Balvinder Singh</i>	Signature: <i>[Signature]</i>
Date: <i>04/04/19</i>	Date: <i>04/04/19</i>
Witness: <i>Lal Bahadur Singh</i>	Witness: <i>Sujeet Kumar</i>

Santpuria Alloys Pvt. Ltd.

Balvinder Singh
Director

परियोजना के लिए पर्यावरणीय मंजूरी

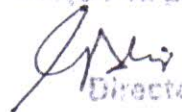
"M/S संतपुरिया अलॉयज प्राइवेट लिमिटेड का नियमितीकरण सह विस्तार : खाता संख्या 86, 51, 44, 64, 01, 23, 41, 19, 03 और 22 प्लॉट संख्या : 243, 244, 245, 288, 283, 236, 237, 239, 240, 274, 278, 285, 286, 287 और 282 गाँव मंझलाडीह, तहसील-गादीसरामपुर, जिला-गिरिडीह, झारखंड में स्टेट लेवल इंबॉयर्समेंट इम्पैक्ट असेसमेंट अथॉरिटी, (SEIAA) झारखंड" पत्र संख्या : EC/SEIAA/2014-15/2014/570/2014/306 राँची दिनांक 13.12.2018 द्वारा जारी किया गया है.

संतपुरिया अलॉयज प्राइवेट लिमिटेड

प्रभात शर्मा, शिवार 30 दिसंबर, 2018

Certified to be true

Santpuria Alloys Pvt. Ltd.


Director

सूचना

परियोजना के लिए पर्यावरणीय मंजूरी

“M/S संतपुरिया अलॉयज प्राइवेट लिमिटेड का नियमितीकरण सह विस्तार खाता संख्या 86,51,44,64,01,23,41,19,03 और 22 प्लॉट संख्या: 243,244,245,288,283,236,237,239,240,274,278,285,286,287 और 282 गाँव मंझलाहडीह, तहसील- गादीसरामपुर, जिला: गिरिडीह, झारखण्ड में स्टेट लेवल इंवॉयरमेंट इम्पैक्ट असेसमेंट अथॉरिटी, (SEIAA) झारखण्ड” पत्र संख्या: EC/ SEIAA/ 2014-15/ 2014/ 570/ 2014/306 रांची दिनांक: 13/12/2018 द्वारा जारी किया गया है।

दैनिक भास्कर, शिववार 30 दिसंबर, 2018

Certified to be true
Santpuria Alloys Pvt. Ltd.


Director