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MONGIA STEEL LIMITED

Regst. Office : Room No. 226, Kamalalaya Centre,
156A, Lenin Sarani, Kolkata, West Bengal - 700013

E-mail : mongia@mongiasteel.com

Website : www.mongiasteel.com

CIN : U27107WB1995PTC235644

MSL/EC/2020-21//8

Dated: 18/06/2020

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/2014-15/569/2014/310 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 (Wild life Division, Hazaribag)
- 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 permission to abstract ground water issued by Central Ground Water Authority.
- Copy Hazardous Waste Authorization issued by JSPCB, Ranchi.
- Copy of Test Report stacks emission, ambient air, ambient noise & Fugitive air.
- 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 Mongia Steel Limited

Havindu.

Director

Copy To

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



State Level Environment Impact Assessment Authority, Jharkhand.

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

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

Letter No.- EC/SEIAA/2014-15/569/2014/310

Ranchi, Date: 13.12.2018

To: Shri L. B. Sinha,
(Sr. Manager),
M/S Mongia Steel Limited,
Budhiadih, Tundi Road,
Dist. - Giridih,
Jharkhand - 815302.

Sub.: Environmental Clearance for the project "Expansion cum Modernization of M/s Mongia Steel Ltd at at (Khata no. 57, 53, 58, 50, 41 & 45 and Plot no. 1373, 1374, 1403 to 1407, 1409 to 1411, 1429, 1430, 1444, 1446 to 1450 and 1452) at Vill.- Budhiadih, Dist. - Giridih, Jharkhand".

Sir,

It is in reference to the project "Expansion cum Modernization of M/s Mongia Steel Ltd at at (Khata no. 57, 53, 58, 50, 41 & 45 and Plot no. 1373, 1374, 1403 to 1407, 1409 to 1411, 1429, 1430, 1444, 1446 to 1450 and 1452) at Vill.- Budhiadih, 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 05th & 06th November, 2018.

M/s Mongia Steel Limited located at (Khata no. 57, 53, 58, 50, 41 & 45 and Plot no. 1373, 1374, 1403 to 1407, 1409 to 1411, 1429, 1430, 1444, 1446 to 1450 and 1452) Budhiadih, Tundi Road, Giridih has setup 2 nos of Induction furnaces of 6 t capacity each. Out of these two one is stand by unit. This unit comes under Induction furnace division. Similarly there is Re-rolling division also. Induction furnace is producing MS Billet which is getting processed to TMT Bars. The Mongia Steel Limited was setup in the year 1996. The project was setup at land owned by company. The initial setup was made for Induction furnace and later on TMT Mill was added. The old name of M/s Mongia Steel Ltd. was Mongia Hi-tech (P) Ltd. The installed capacity of Induction furnace of M/s Mongia Steel Ltd. is to produce M.S. Ingot of 50 TPD and TMT Bars in Re-rolling Division is having production capacity of 10 MT/Day. This is an existing unit in the area of 31.29 acres of land. For proposed expansion & modernization, No additional land requirement & Raw water will be sourced from existing ground water sources within premise. As per estimate, water to the tune of 35 KLD (25 KLD existing) will be required. The estimated power requirement for the proposed expansion project is 15.0 MVA (existing 4 MVA), which will be sourced from DVC. Plant site lies in Lat: 24° 09' 29.5" N Long: 86° 19' 51.8" E. Giridih is the nearest railway station from the proposed plant site on, which is around 3.5 km from the proposed site. The indicated project cost is Rs 9.69 Crore.

Accordingly Mongia Steel Limited is seeking Environmental Clearance for the followings:-

Induction furnace (SMS) - 2 x 15 T
There will be 2 cell stand by

1

Certified to be true
MONGIA STEEL LTD.

H. Anand
DIRECTOR

Billet caster	-	1 x 2 strand (300 tpd)
TMT Mill	-	240 tpd
Strip Mill	-	60 tpd pipes & shutter strips.
Producer Gas Plant	-	As per requirement

The project authorities along with their consultant M/s Pollution and Ecology Control Services, Ranchi gave a detailed presentation on the EIA / EMP Report.

Green belt development plan was suggested to the proponent who agreed to plants the local variety of species in the site as well as article the area surrounding.

During the public hearing, the queries were related to dust pollution in the road, the proponent agreed to spray water on the road regularly and plant local tree species.

The proposal was presented in SEAC on 17-18.05.18 in which further informations were sought as under -

- i. CO certificate regarding class of land (whether recorded as Jangal Jhari or not).
- ii. DFO Certificate regarding distance from notified forest / National Park / Sanctuary/ Eco Sensitive Zone / Bio-Diversity Area.

The documents related to the above mentioned discrepancies have been submitted and found to be satisfactory.

DFO, Giridih East vide letter no. 1434, dated - 18.06.18 certified that project site is not within 2699.34 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Giridih vide memo no. 2622, dated - 10.09.18 has mentioned / certified that plot nos. of the project site is not recorded as "Jangle Jhari".

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 "Expansion cum Modernization of M/s Mongia Steel Ltd at at (Khata no. 57, 53, 58, 50, 41 & 45 and Plot no. 1373, 1374, 1403 to 1407, 1409 to 1411, 1429, 1430, 1444, 1446 to 1450 and 1452) at Vill.- Budhiadih, Dist. - Giridih, Jharkhand" alongwith the following conditions as recommended by SEAC.

I. Specific Conditions :

- i. This Environmental Clearance is valid subject to the following condition below -
That this project has-
 - a. Obtained all legal rights to operate at concerned place.
 - b. Complied with all existing concerned laws of the land and
 - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.

II. Statutory Compliance :

- i. The project proponent shall obtain forest clearance under the provisions of Forest, (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.



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

III. Air quality monitoring and preservation :

- i. The project proponent shall install 24x7 continuous emission monitoring system at process, stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.



- viii. 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.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

IV. 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 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 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. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- vii. 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.
- viii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- ix. 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.



V. 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.

VI. Energy Conservation measures :

- i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets/blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.
- iv. 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.
- v. Provide the project proponent for LED lights in their offices and residential areas.

VII. Waste management :

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.
- iii. 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.
- iv. The waste oil, grease and other hazardous waste shall be disposed of as per the
- v. Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- vi. 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)*

VIII. 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.

IX. 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.

X. 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 approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

XI. 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

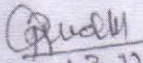


by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

- 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.

XII. Other Conditions :

- i. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
- ii. 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.
- iii. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.


Member Secretary
13/12
State Level Environment Impact
Assessment Authority, Jharkhand.



Compliance of Environmental Clearance (June,2020)
Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by
State Level Environment Impact Assessment Authority,
Jharkhand
MONGIA STEEL LIMITED

Compliance of Environmental Clearance

Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by

State Level Environment Impact Assessment Authority,

Jharkhand

MONGIA STEEL LIMITED

At: Burhiadih, P.O: Burhiadih, Tundi Road, Dist.: Giridih: 815302

(Jharkhand)



Compliance of Environmental Clearance (June,2020)
 Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by
 State Level Environment Impact Assessment Authority,
 Jharkhand
 MONGIA STEEL LIMITED

Sl No:	Conditions	Compliances
(I)	Specific Conditions	
	<p>This Environmental Clearance is valid subject to the following conditions below</p> <p>That this project has</p> <ol style="list-style-type: none"> a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land and c. Complied with the decisions of SEIAA on the issue of Environmental clearance till date 	Agreed
II	Statutory Compliance:	
	<ol style="list-style-type: none"> i. The Project proponent shall obtain forest clearance under the provisions of forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. 	This unit has own land for which clearance from Divisional Forest Officer, Giridih (East) has been obtained clearly mentioning site outside forest land. Copy enclosed herewith.
	<ol style="list-style-type: none"> ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. 	<p>As per the certificate issued by the Divisional Forest Officer Giridih (East) Division and Divisional Forest Officer, Wildlife Division Hazaribagh, there is no Sanctuaries, National Parks, Tiger Reserve or Biosphere Reserve or Elephant Corridor or other protected areas within the 10 km radius of the project site. Thus not applicable.</p> <p>Copy of clearance issued by Divisional Forest Officer Giridih (East) Division and DFO, Wildlife Division Hazaribagh are attached herewith for your perusal.</p>



	<p>iii The project proponent shall prepare a site-specific Conservation plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be Implemented in consultation with the state Forest Department. The implementation report shall be furnished along with the Six-monthly compliance report. (In case of the presence of schedule-I species in the study area)</p>	<p>Species as per the Schedule-I, in the study area, have not been found hence project does not require preparing a site specific conservation plan & wildlife Management plan. As per the clearance issued by forest department there is no Sanctuaries, National Parks, Biodiversity protected Area situated within a radius of 10 km of project.</p>
	<p>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.</p>	<p>Unit has obtained Consent to Establish vide reference no: JSPCB/HO/RNC/CTE-3579450/2019/294 DATED 01/05/2019 and Consent to Operate vide reference no: JSPCB/HO/RNC/CTO-5229976/2019/1232 DATED 02/07/2019 from Jharkhand State Pollution Control Board, Ranchi. Copy of CTE & CTO attached herewith.</p>
	<p>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.</p>	<p>Agreed. Unit has been granted NOC from Central Ground Water Authority vide NOC No.: CGWBMER/CGWA/NOC/2019-299 DATED 11/05/2020</p>
	<p>vi The project proponent shall obtain authorization under the Hazardous and other Waste management Rules, 2016 as amended From time to time.</p>	<p>The unit has obtained authorisation under Hazardous and other waste management rules, 2016. Copy attached herewith for needful.</p>
<p>iii.</p>	<p>Air quality monitoring and preservation :</p>	
	<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</p>	<p>This unit does not come under the 17categories/ Integrated Iron & steel plant of highly polluting industries. Hence, this unit does not require to install 24X7 continuous emission monitoring system at process stack to monitor stack emission. S.O.3305 (E) dated 7th December, 2015indicates compliance for Thermal Power Plants. As our unit is not a thermal power</p>



<p>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.</p>	<p>plant, compliance of this condition is not required.</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 test of fugitive emission has been carried out by NABL accredited laboratories and report is attached herewith.</p>
<p>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)</p>	<p>This unit is small unit hence; Ambient Air Quality is monitored annually as per the conditions laid down in CTO issued by JSPCB. Further, AAQMS for parameter PM10 has already installed. Process for connectivity with JSPCB & CPCB server is going on.</p>
<p>iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of the air quality/fugitive emission to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p>	<p>Manual stack Monitoring is carried out annually and its report is submitted to the JSPCB. AAQR is also monitored annually and its report is submitted to the JSPCB. Further, Above monitoring report will be submitted to Regional office of the MoEF & CC Zonal office of CPCB and Regional office of SPCB half yearly.</p>
<p>v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.</p>	<p>Appropriate air pollution control devices have already been provided at all dust prone and vulnerable sources in the factory premises. Adequate numbers of Bag filters with the stack have already been installed. Addition of above, adequate numbers of fix water sprinklers has already been installed and</p>



		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.	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.
viii.	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.	This unit has Rolling Mill & Induction Furnace where Iron ore fines are not used.Coal including its fines is used in Producer gas unit. Other fines will be used in fly ash bricks unit i.e. in our sister concern unit M/s Santpuria Alloys Pvt Limited, Giridih.In the expansion phase, hot charging rolling mill will be installed and use of coal will be abolished.
ix.	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Agreed. Transportation of coal & other raw material is done under covered system. These are fully covered with tarpaulin during transportation.
x.	The project proponent shall provide covered sheds for raw materials like scarp and sponge iron, lump ore, coke, coal etc.	All the Raw materials are stacked under the permanent shed which is fully fenced to prevent from wind.
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Agreed. Fume Extraction system has already been installed at all melting furnaces. It is being maintained as per norms.
xii.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Agreed.
IV.	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 277(E) dated 31 st March 2012 (applicable to IF/EAF) as	Water is used for cooling purpose only and no effluent is generated. Only make-up water is added in water circulation.



	amended from time to time: S.O.3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to 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.	Agreed. Copy of ground water quality report is attached herewith for your reference.
	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.	Water is used for cooling purpose only and no effluent is generated. Only make-up water is added in water circulation. Monitoring Report of ground water quality will be submitted to the Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB half yearly.
	iv. Adhere to 'Zero Liquid Discharge'.	Agreed. No effluent discharge outside premises
	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. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R.277 (E) 31 st March,2012(applicable to IF/EAF) as amended from time to time.	N.A. Water is used for cooling purpose and no effluent is generated. Only make-up water is added in water circulation system. G.S.R.277 (E) 31 st March, 2012 indicates with respect to



		integrated steel plant. Our unit does not come under integrated iron & steel plant hence, compliance of its condition not required.
	vii. 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.
	viii. The project proponent shall practice rainwater harvesting to maximum possible extent.	Agreed. Unit has constructed well-designed rainwater harvesting system.
	ix. 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-up water is added in water circulation system. Further, advance and possible steps to minimise the water consumption must be taken.
V.	Noise monitoring and prevention:	
	i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Agreed. Test report will be submitted six monthly. 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(A) 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.
VI.	Energy Conservation measures :	
	i. The Project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnace	Producer gas is used in re-heating furnace to hot the billets and in this process no waste heat is generated. Hence, waste heat recovery system is not required.
	ii. Practice hot charging of slabs and billets/blooms as far as	Agreed. Installation works of Hot charging rolling mill has been



	possible.	planned. After getting EC for expansion from SEIAA, Jharkhand, Hot charging rolling mill will be installed.
	iii. Ensure installation of regenerative type burners on all reheating furnaces.	Agreed. Installation works of Hot charging rolling mill has been planned. After getting EC for expansion from SEIAA, Jharkhand, Hot charging rolling mill will be installed. There after reheating furnace will be removed.
	iv. Provide solar power generation on roof tops of building, 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.
	v. Provide the project proponent for LED lights in their offices and residential areas.	Agreed. LED lights, in offices and residential area inside the plant have already been provided.
VII.	Waste management	
	i. Used refractories shall be recycled as far as possible.	Agreed.
	ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused melting furnaces.	Here, water is used for cooling purpose only and make-up water is added in water circulation system and no effluent is generated.
	iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and bricks manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	N.A. There no fly ash is generated in this unit.
	iv. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) rules, 2016	Agreed.



	v. 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
VIII.	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.	Agreed. Green belt development works to occupy almost 33% of the plant area is going on. It will be achieved within 3 years. 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 greenhouse 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.
IX.	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 1948, 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 advance preparedness will be done.
	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,	Agreed.



	crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
X.	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 along with the operation of plant.
	ii. The company shall have a well laid down environment policy duly approved by the Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	Agreed. CORPORATE ENVIRONMENTALL POLICY Mongia Steel Ltd 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



	iii. A separate Environment Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Agreed.
	iv. Action plan for implementation EMP and environment conditions along with responsibility matrix of the company shall be prepared and shall be dully approved by competent authority. The year wise funds earmarked for environment protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.	Agreed.
	v. Self-environment audit shall be conducted annually. Every three years third party environment audit shall be carried out.	Agreed.
	vi. All the recommendation made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	NA
	vii. Occupational health surveillane of the workers shall be done on ,a regular basis and records maintained as per the Factories Act,	Occupational health surveillane of the workers is carried out on a regular basis. Records are maintained as per the factory act.
XI.	Miscellaneous :	
	i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their	Agreed. Published on 27/12/2018 in 1) Prabhat Khabar, Dhanbad publication & 2) Dainik Bhaskar, Dhanbad publication.



Compliance of Environmental Clearance (June,2020)
 Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by
 State Level Environment Impact Assessment Authority,
 Jharkhand
 MONGIA STEEL LIMITED

	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.	Website has already been prepared i.e. www.mongiasteel.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 the date of receipt.	Copy of EC has been provided to the District Industries Centre, Girdih & ward Local Body of Giridih.
	iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Status of compliance condition EC has been uploaded in company's website. Company's website: www.mongiasteel.com Monitored data will be uploaded shortly.
	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 the existing unit is being submitted in the JSPCB within the stipulated time. Also uploaded in website of company.
	vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed.
	viii. The project authorities must strictly adhere to the stipulations made by the state pollution Control Board and the State Government.	Agreed.
	ix. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed.
	x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).	Agreed.
	xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
	xii. The Ministry may revoke or suspend the clearance, if	Agreed.



	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.	Agreed.
	xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information /monitoring reports.	Agreed.
	xv. The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / high Courts and any other Court of Law relating to the subject matter.	Agreed.
	xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.
XII	Other conditions:	
	i. The authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the	Agreed.



Compliance of Environmental Clearance (June,2020)
Issued vide letter no: EC/SEIAA/2014-15/569/2014/310 Ranchi, dated: 13/12/2018 by
State Level Environment Impact Assessment Authority,
Jharkhand
MONGIA STEEL LIMITED

	satisfaction of authority or for that matter for any other administrative reason.	
ii.	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.
iii.	In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.	Agreed.



For Mongia Steel Limited.
MONGIA STEEL LTD.

Haindi.
Director **DIRECTOR**

JHARKHAND STATE POLLUTION CONTROL BOARD

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

Ref No.: JSPCB/HO/RNC/CTE-3579450/2019/294

Dated : 2019-05-01

Consent to Establish (CTE) 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 (s) No.- 3579450 / dated : 06/02/2019 of MONGIA STEEL LIMITED , GUNWANT SINGH SALUJA for 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

2. **Documents Relied Upon:**

(a) The contents of Environmental Clearance (EC) Ref. No. EC SEIAA/2014-15/569/2014/310 dated 13.12.2018 bu SEIAA, Ranchi.

(b) The content of Consent to Establish (CTE):

(i) vide ref. no. D-1974 (N), dated 07.07.2014 for production of MS Billet- 50 TPD;

(ii) vide ref. no. D-2844 (N), dated 12.10.2015 for the production of MS Bar, MS Strip, MS Angle, MS Channel-27000 MT/Y and Producer gas plant-9000 Nm³/hr.

(c) The content of Consent to Operate (CTO) for an expanded part issued

(i) vide Ref no. 235 dated Dated 25.01.2019 for the production of MS Bar, MS Strip, MS Angle, MS Channel-27000 MT/Y and Producer gas plant-9000 Nm³/hr for the period upto 31.12.2019.

(ii) vide Ref no. 234 dated 25.01.2019 for production of MS Billet- 50 TPD.

(d) The content of inspection report (IR) vide Ref. No. 235 dated 20.02.2019, JSPCB, Hazaribagh.

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 establish the project in Mauza- DANDIDIH, P S -GIRIDIH , District-GIRIDIH as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			

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Havich
DIRECTOR

In Expansion	As per EC	31.29 Acres (As per EC)	5400 Laes (as per application)	1. Induction Furnace- 2x 15T (02 cell stand by) 2. Billet Caster (MS Billet)-1X2 Strand -300 TPD. 3. TMT Mill (MS Bar)- 240 TPD. 4. Strip Mill- 10 TPD Pipes & Shutter Strips. 5. Producer Gas plant- As per requirement i.e. 9000 Nm ³ /hr (already existing) [as per EC]	Date of issue to six months
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(A) Specific Conditions:

(1) That, the proponent shall obtain consent to operate from State Pollution Control Board 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 prior to commissioning of the plant.

(2) That, the proponent shall obtain authorization under the Hazardous Waste Management Rules, 2016.

(3) That, the proponent shall abide by the provisions of the Environment (Protection) Act, 1986 and submit the reports of effluent, emission, ambient air quality and noise level monitored before and after commissioning of the plant in compliance of the standards prescribed in the Environment (Protection) Rules, 1986.

(4) That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent for re-use and shall ensure no discharge of effluent outside the premises.

(5) 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.

(6) 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.

(7) That, the proponent shall make all inside and approach (within the control of the proponent) roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the premises and dust prone areas.

(8) 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).

(9) That, the proponent shall use fly ash and or fly ash bricks in construction of the project.

(10) That, the proponent shall use all solid wastes as resource as a raw material or a product.

(11) That, the proponent shall submit compliance report of Environmental Clearance granted by Ministry of

Environment and Forest, Govt. of India, New Delhi, as per the requirement of Environmental Clearance to the Board accordingly.

(12) That, the proponent shall install pollution control devices such as fume extraction system, Wet Scrubber and Venturi Scrubber System for control of SO₂ and dust from the chimney or as required and stack attached to it of a height of at least 110 ft from the ground level to control the dusts and gaseous emissions.

(13) That, the proponent shall make proper arrangement for disposal of all the solid wastes to be generated during production of pencil ingots.

(14) That, the proponent shall comply all the conditions of CTO and EC conditions and submit the six monthly report to the Board.

(15) That, the proponent shall install the CAAQMS as per the timeline prescribed in EC otherwise, CTO will not be considered.

(16) That, the occupier shall install PM 10 Analyzer by 31st May, 2019, if applicable, failing which CTO application will not be considered.

(17) That, this consent to establish is subject to statutory and other clearances from Govt. of Jharkhand or Ministry of Environment & Forest, Govt. of India as and when applicable.

(B) General Conditions :

(1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.

(2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.

(3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.

(4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (then) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .

(5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).

(6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.

(7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.

(8) That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(9) That, this CTE 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.

(10) That, this CTE 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.

(11) That, this CTE 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.

(12) 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 there under.

4. That, this CTE 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 CTE is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTE will be revoked if any of the information/ documents/ certificates/ undertaking given by the occupier is found false/fictitious/forged in future.
6. This order shall be valid subject to compliance of all other legal requirements applicable to the unit.
7. The State Board reserves the right to revoke, withdraw or make any reasonable variation / change / alteration in condition of this consent.

This is issued with the approval of the competent authority

RAJEEV Digitally signed
by RAJEEV
LOCHAN LOCHAN BAKSHI
BAKSHI Date: 2019.05.01
12:58:51 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Memo No. : JSPCB/HO/RNC/CTE-
3579450/2019/294

Dated : 2019-05-01

Copy to : M/s MONGIA STEEL LIMITED AT- MOUJA DANDIDIH, P.O.-BURHIADIH, TUNDI ROAD, GIRIDIH/ Chief Inspector of Factories, Govt. of Jharkhand, Doranda, Ranchi/ Director of Industries, Govt. of Jharkhand, Ranchi/ Deputy Commissioner, Giridih/ DFO, Giridih/ DMO, Giridih, Regional Office, J.S.P.C. Board, Hazaribagh for information and necessary action.

RAJEEV Digitally signed by
LOCHAN RAJEEV LOCHAN BAKSHI
BAKSHI Date: 2019.05.01
12:59:08 +05'30'

[Rajeev Lochan Bakshi]



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-5229976/2019/1232

Dated : 2019-07-02

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

- Application (s) dated 2019-06-13 of MONGIA STEEL LIMITED , Occupier Name :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.
- Documents Relied Upon:**
 - The content of Environmental Clearance (EC) Ref. No. EC/SEIAA/2014-15/569/2014/310 dated 31.12.2018, MoEF, New Delhi.
 - The content of Consent to Establish (CTE) vide Ref. No. JSPCB/HO/RNC/CTE-3579450/2019/294 dated 01.05.2019, JSPCB, Ranchi.
 - The content of Inspection Report (I/R) vide Ref No. 803 dated 24.05.2019 of Regional Office-Cum-Laboratory, JSPC Board, Hazaribagh.
 - The content of self certificate/undertaking regarding procurement of raw material from valid sources.
- 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 -DANDIDIH , P S -GIRIDIH , District -GIRIDIH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
In Expansion	As per EC	31.29 Acres (As per EC)	5400 Lacs (as per application)	1. Induction Furnace- 2x 15T (02 cell stand by) 2. Billet Caster (MS Billet)-1X2 Strand -300 TPD. 3.TMT Mill (MS Bar)- 240 TPD. 4. Strip Mill- 60 TPD Pipes & Shutter Strips. 5.Producer Gas plant- As per requirement i.e. 9000 Nm3/hr (already existing) [as per EC]	Date of issue to 30.06.2020

Certified to be true
MONGIA STEEL LTD.
Hainich
DIRECTOR

(A) Specific Conditions:

- (1) That, the occupier shall operate Pollution Control Device- Fume Extraction System (FES) regularly and report to the Board immediately if there is any breakdown in it and submit Stack Monitoring Report and Ambient Air Quality Monitoring.
- (2) That, the occupier shall keep the waste water generated from Water softener and cooling water for furnace into recirculation and reuse after treatment within the campus.
- (3) That, the occupier shall inform to Regional Office-Cum- Lab, Hazaribagh and Head Office, JSPC Board, at Ranchi within 24 hrs from the time of closure or opening of the plant.
- (4) That, the occupier shall dispose hazardous waste as per the provision of Hazardous and Other Waste Rules, 2016.
- (5) That, the occupier shall keep the waste water in closed circuit.
- (6) That, the occupier shall utilize solid waste entirely.
- (7) That, the occupier shall purchase raw material only from valid source and shall maintain record of it and shall show the record to the Inspecting Officer during inspection.
- (8) That, the occupier shall submit point wise compliance report of condition of this Consent to operate 120 days prior to the date of expiry of this consent yearly on successive year.
- (9) That, the occupier shall install PM 10 Analyzer within one month from the date of issue of this CTO failing which CTO shall be revoked.
- (10) That, the occupier shall if be found violating the Consent to Operate at any point of time during inspection of the plant by the competent authority, the Consent to Operate shall be revoked as per provision of the acts.
- (11) That, the proponent shall make proper arrangement for disposal of all the solid wastes to be generated during production of pencil ingots.
- (14) That, the proponent shall comply all the conditions of CTO and EC conditions and submit the six monthly report to the Board.
- (15) That, the proponent shall obtain authorization under the Hazardous Waste Management Rules, 2016.
- (16) That, this CTO supersede the CTO granted earlier vide ref. no. JSPCB/HO/RNC/CTO-3795389/2019/234, dated 25.01.2019.
- (16) 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 along with fee.

(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 révoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

RAJEEV LOCHAN BAKSHI
 Digitally signed by RAJEEV LOCHAN BAKSHI
 Date: 2019.07.02 16:55:32 +05'30'
[Rajeev Lochan Bakshi]
 Member Secretary

Dated : 2019-07-02

Memo No. : JSPCB/HO/RNC/CTO-5229976/2019/1232

Copy to: M/s MONGIA STEEL LIMITED, AT:MOUJA DANDIDIH, P.O.:BURHIADIH,TUNDI ROAD,GIRIDIH/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Deputy Commissioner, Giridih/ DFO, Giridih/ RO, JSPCB, Hazaribagh for information & ensuring compliance of the above.

RAJEEV LOCHAN BAKSHI
 Digitally signed by RAJEEV LOCHAN BAKSHI
 Date: 2019.07.02 16:56:00 +05'30'
[Rajeev Lochan Bakshi]
 Member Secretary



भारत सरकार
केन्द्रीय भूमि जल प्राधिकरण
जल शक्ति, पंचायत
जल संवाधन, नदी विकास
और गंगा संरक्षण विभाग
Government of India
Central Ground Water Authority
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation

REGIONAL DIRECTOR
MID EASTERN REGION

FILE NO. CGWBMER/CGWA/NOC/2019- 299

DATE: 11 MAY 2020

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Mongia Steel Limited		
Project Address:	At: Mouja Dandidih (Burhiadih), PO: Burhiadih, Tundi Road Giridih:815302		
Village/Town	Burhiadih	Block:	Giridih
District:	Giridih	State:	Jharkhand
Pin Code:	815302		
Communication Address:	Mongia Steel Limited, At: Burhiadih, PO: Burhiadih, Tundi Road, Giridih, Jharkhand - 815302		
Address of CGWB Regional Office:	Central Ground Water Board, Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglow, Patna, Bihar - 800001		

1.	NOC No.:	CGWA/NOC/IND/ORIG/2020/7863								
2.	Application No.:	21-4/335/JH/IND/2019	3.	Category:	Industry					
4.	Project Status:	Existing Project	5.	NOC Type:	New					
6.	Valid from:	28/04/2020	7.	Valid up to:	27/04/2022					
8.	Ground Water Abstraction Permitted:									
Fresh Water		Saline Water		Dewatering		Total				
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year			
10.00	3000.00					10.00	3000.00			
9.	Details of ground water abstraction /Dewatering structures									
* Total Existing No.: 01				Total Proposed No.: 0						
Abstraction Structure*	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
	0	0	1	0	0	0	0	0	0	0
*DW- Dug Well, DCB-Dug-cum-Bore Well, BW-Bore Well, TW-Tube Well, MP-Mine Pit, DWLR-Digital Water Level Recorder										
10.	Quantum of ground water recharge (m ³ /year):						30976.00			

(Compliance Conditions given overleaf)

(Signature)

(A. K. Agarwal)
Regional Director
As Authorised
Officer CGWA

Certified to be true
MONGIA STEEL LTD.
(Signature)
DIRECTOR

CENTRAL GROUND WATER BOARD, MID EASTERN REGION,
6TH & 7TH FLOOR, LOK NAYAK JAI PRAKASH BHAWAN,
DAK BANGLOW CHOWK, FRAZER ROAD, PATNA-800001,
Phone: 0612 2205435/2201076/2231785, website: www.cgwa-noc.gov.in, email: rdmer-cgwb@nic.in

स्वच्छ सुरक्षित जल - सुंदर वृक्षहाल कल
CONSERVE WATER - SAVE LIFE



JHARKHAND STATE POLLUTION CONTROL BOARD

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

Phone.:2400852, 2400851, Fax:0651- 2400850 www.jspcb.org

FORM 2

[See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. No. of authorization and date of issue: JSPCB/HO/RNC/HWM-1664235/2020/8 05/02/2020
2. Reference of application(No. and date): 1664235 02/08/2017
3. MONGIA STEEL LIMITED of GUNWANT SINGH SALUJA is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Mouja:Dandidih,P.O.:Burhiadih,Tundi Road Giridih

Details of Authorisation

Sl.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity(ton/annum)
1	Burnt Oil (Schedule-I)	Used in different chain drive in own plant	100 Lt/Annual

(1) The authorisation shall be valid for a period of 30.06.2022

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

Certified to be
MONGIA STEEL LTD.
Hawinder
DIRECTOR

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B Specific conditions:

1. That, the occupier shall comply the provisions of the Environment Protection Act, and Rules.
2. That, the authorization shall be produces at the time of inspection.
3. That, the occupier shall not rent/sell or otherwise transport the H/W without obtaining prior permission of the Board.
4. That, any un-authorization change shall constitute a breach the authorization.
5. That, it is the duty of authorized person to take prior permission of the Board to close down the facility.
6. That, the renewal of authorization shall be made as laid down in the rules.
7. That, any other condition for compliance as per the guidelines issued by the MoEF for CPCB.
8. That, the occupier shall submit annual return for the financial year before 30th June, every year.
9. That, the occupier shall comply all the conditions.
10. That, the occupier shall submit quarterly and annual information on hazardous wastes consumed its source, products generated or resources conserved (Specifying the details like type and quantity of resources conserved) to the concerned SPCB.
11. That, the occupier shall maintain a Pass Book issued by concerned SPCB wherein the following details of each procurement of SPL shall be entered.
 - Address of sender
 - Date of dispatch
 - Quantity procured
 - Seal & signature of the sender
 - Date of receipt on the premises
12. That, the occupier shall have a log book maintained with information on source and date of procurement of SPL, Quantity, date wise utilization of the same, Hazardous Waste generation and its disposal, etc.
13. That, the occupier shall maintain record of Hazardous Waste utilized, Hazardous Waste generated and disposal as per form-3 and shall file annual returns in form-4 as per Rule 20 (1) and (2) of the Hazardous and other waste (Management & Transboundary Movement) Rules, 2016, the concerned SPCB.
14. That, the occupier shall complied all direction given by standard operating and procedure.

Memo No:JSPCB/HO/RNC/HWM-
1664235/2020/8
Date: 05/02/2020

Ram Pravesh Kumar
Section Head, Hazaribagh

Copy To:

**M/s MONGIA STEEL LIMITED (INDUCTION FURNACE DIVISION),
Mouja:Dandidih,P.O.:Burhiadih,Tundi Road Giridih, GIRIDIH, GIRIDIH/ Regional Officer,
Regional Office, Hazaraibagh for information and necessary action.**

RAM
PRAVESH
KUMAR

Digitally signed by
RAM PRAVESH KUMAR
Date: 2020.02.05
14:04:50 +05'30'

Ram Pravesh Kumar
Section Head, Hazaribagh



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2008 (QMS) & OHSAS 18001:2007 Certified Organization
Recognized by Jharkhand State Pollution Control Board
Analytical & Environmental Engineering Laboratory
C- 144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand
Tele No.: 0651- 2950060, Mobile: 94701 30700, E-mail: nirajksingh2003@yahoo.co.in

Report No. : SRL/MSL/MAR-04/2020

Date: 17.03.2020

TEST REPORT

- Name and Address of the Unit : M/s Mongia Steel Limited.
At.: Dandidih, P.O.: Bhudiyadih, Tundi Road
District: Giridih- 815 302,
Jharkhand.
- Date of Monitoring : 13.03.2020 to 14.03.2020
- Ambient Temperature : 24^oC
- Average Relative Humidity : 62 %
- Meteorological Condition : Partly Cloudy (Light Rain)
- Results of Ambient Air Quality :

Sl. No.	Sample No.	Monitoring Location	Results in $\mu\text{g}/\text{Nm}^3$			
			Respirable Suspended Particulate Matter (PM_{10})	Respirable Suspended Particulate Matter ($\text{PM}_{2.5}$)	Nitrogen dioxide (NO_x)	Sulphur dioxide (SO_2)
1.	A - 1	Near Main Entry Gate	82.70	47.00	31.50	22.90
2.	A - 2	Near Control Room (Induction Unit)	79.50	44.00	34.20	26.50
3.	A - 3	Beside Store Room (Near Rolling Mill)	75.80	41.00	32.60	25.30

Norms: National Ambient Air Quality Standards (NAAQS) for Industrial area as per MoEF&CC, New Delhi vide notification dated 18th November, 2009 for 24 hours averages are as follows:

Industrial Area: RSPM (PM_{10}) – 100 $\mu\text{g}/\text{Nm}^3$; RSPM ($\text{PM}_{2.5}$) – 60 $\mu\text{g}/\text{Nm}^3$
NO_x – 80 $\mu\text{g}/\text{Nm}^3$; SO₂ – 80 $\mu\text{g}/\text{Nm}^3$

for Scientific Research Laboratory,

Niraj

(Dr. Niraj Kumar Singh)
In-charge, Jharkhand office

Certified to be true
MONGIA STEEL LTD.

Havindu.
DIRECTOR



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2008 (QMS) & OHSAS 18001:2007 Certified Organization
Recognized by Jharkhand State Pollution Control Board
Analytical & Environmental Engineering Laboratory
C- 144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand
Tele No.: 0651- 2950060, Mobile: 94701 30700, E-mail: nirajksingh2003@yahoo.co.in

M/S MONGIA STEEL LIMITED
AT.: DANDIDIH, P.O.: BHUDIYADIH
TUNDI ROAD, DISTRICT- GIRIDIH- 815 302
JHARKHAND

AMBIENT AIR NOISE MONITORING DATA (DAY TIME)

Report No. : SRL/MSL/N-01/2020

Date of Reporting: 16.03.2020

Sl. No.	Monitoring Location	Date of Monitoring	Noise Level, dB(A)		
			Minimum	Maximum	Leq - Mean
1.	Near Main Entry Gate	13.03.2020	58.4	63.6	61.7
2.	Near Control Room (Induction Unit)	13.03.2020	61.6	66.2	64.4
3.	Beside Store Room (Near Rolling Mill)	13.03.2020	63.2	70.5	66.8

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi;
Industrial Area: Day Time 75 dB(A) Leq and Night Time 70dB(A) Leq

Norms: OSHA Norms in work place for 8 hr. exposure: 90 dB (A)

for Scientific Research Laboratory,

Niraj
(Dr. Niraj Kumar Singh)
In-charge, Jharkhand Office

Certified to be true
MONGIA STEEL LTD.
Havish
DIRECTOR



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2008 (QMS) & OHSAS 18001:2007 Certified Organization

Recognized by Jharkhand State Pollution Control Board

Analytical & Environmental Engineering Laboratory

C- 144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651- 2950060, Mobile: 94701 30700, E-mail: nirajksingh2003@yahoo.co.in

STACK MONITORING REPORT

Name of the Industry : M/s Mongia Steel Limited.
At.: Dandidih, P.O.: Bhudiyadih, Tundi Road
District: Giridih- 815 302, Jharkhand.

Date of sampling : 13.03.2020

Weather condition : Cloudy

Stack number if any : Furnace Stack

Height of stack from ground level (in metre) : 30

Inner dimension of stack (in metre) : 0.9 (Circular)

Height of port hole (in metre) : 08

Atmospheric temperature (in °C) : 24

Stack gas temperature (in °C) : 86

Stack gas velocity (in m/s) : 7.39

Volumetric flow rate (in Nm³/hr) : 14,045

Dust concentration (in mg/Nm³) : 76

Emission rate (in kg/hr) : 1.06

Name of fuel & quantity used per shift : Electricity

Production capacity : 80 T/day (MS Billets)

Stack attached to : Fume Extraction System with Bag Filter.

GASES

Sulphurdioxide (in mg/Nm³) as SO₂ : 14

Nitrogenoxides (in mg/Nm³) as NO₂ : 29

Remarks: Dust concentration was found 76 mg/Nm³ against prescribed limit of 150 mg/Nm³.

for Scientific Research Laboratory,

(DR. NIRAJ KUMAR SINGH)
In-charge, Jharkhand Office.

Certified to be true
MONGIA STEEL LTD.
Havirah
DIRECTOR



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2008 (QMS) & OHSAS 18001:2007 Certified Organization
Recognized by Jharkhand State Pollution Control Board
Analytical & Environmental Engineering Laboratory
C- 144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand
Tele No.: 0651- 2950060, Mobile: 94701 30700, E-mail: nirajksingh2003@yahoo.co.in

STACK MONITORING REPORT

Name of the Industry : M/s Mongia Steel Limited.
At.: Dandidih, P.O.: Burhiadih, Tundi Road
Dist.: Giridih- 815 302, Jharkhand.

Date of sampling : 13.03.2020

Weather condition : Cloudy

Stack number if any : Furnace Stack (Rolling Mill)

Height of stack from ground level (in metre) : 30

Inner dimension of stack (in metre) : 0.5 (Circular)

Height of port hole (in metre) : 10

Atmospheric temperature (in °C) : 25

Stack gas temperature (in °C) : 124

Stack gas velocity (in m/s) : 6.14

Volumetric flow rate (in Nm³/hr) : 3,252

Dust concentration (in mg/Nm³) : 132

Emission rate (in kg/hr) : 0.42

Name of fuel & quantity used per day : Coal/ 4.8 T/day

Production capacity : 2000 MT/month

Stack attached to : Re- Heating Furnace

GASES

Sulphurdioxide (in mg/Nm³) as SO₂ : 34

Nitrogenoxides (in mg/Nm³) as NO₂ : 26

Remarks: Dust concentration was found 132 mg/Nm³ against prescribed limit of 150 mg/Nm³.

for Scientific Research Laboratory,

(DR. NIRAJ KUMAR SINGH)
In-charge, Jharkhand Office.

Certified to be true
MONGIA STEEL LIMITED
Hainab
DIRECTOR



Eco Care



NABL ACCREDITED
Certificate No. TC-5109

Phone : (0341) 2252011

Fax : (0341) 2252011

Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

E-mail : ecocareasansol@rediffmail.com
Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

ULR NO – TC510919000001685F

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

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191251
Test Report No : EC/TR/42/12254	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.12.19 to 12.12.19
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 13.12.19 to 14.12.19
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Mongia Steel Limited At – Bhudhiyadih P.O – Bhudhiyadih, Giridih Jharkhand – 815302	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	14.2 °C	2	Barometric Pressure	756 mm of Hg
3	Average Relative Humidity	54.0 %	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- Lat-24°9'30.26137" (N) Long-86°19'40.94849" (E)				
Shift - A (10:00 AM To 06:00 PM)	36.36	37.45	84.19	36.17
Shift - B (06:10 PM To 02:10 AM)	25.00	27.80	67.43	
Shift - C (02:20 AM To 10:20 AM)	28.79	33.32	79.74	
Average (Shift - A To Shift - C)	30.05	32.86	77.12	
2. Sampling Location : Near Rolling Mill Area- Lat-24°9'28.19228" (N) Long-86°19'36.57323" (E)				
Shift - A (10:30 AM To 06:30 PM)	32.58	34.08	81.25	31.06
Shift - B (06:40 PM To 02:40 AM)	17.42	24.35	64.81	
Shift - C (02:50 AM To 10:50 AM)	21.21	30.56	76.58	
Average (Shift - A To Shift - C)	23.74	29.66	74.21	
3. Sampling Location : Near Induction Furnace Area - Lat-24°9'33.7526" (N) Long-86°19'36.31856" (E)				
Shift - A (11:00 AM To 07:00 PM)	28.79	32.63	74.36	25.69
Shift - B (07:10 PM To 03:10 AM)	13.64	20.90	59.97	
Shift - C (03:20 AM To 11:20 AM)	25.00	27.11	68.62	
Average (Shift - A To Shift - C)	22.48	26.88	67.65	

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.

Authorised Signatory

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



ULR NO – TC510919000001687F

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

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191251
Test Report No : EC/TR/42/12255	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 11.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 13.12.19 to 14.12.19
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Mongia Steel Limited At – Bhudhiyadih P.O – Bhudhiyadih, Giridih Jharkhand – 815302	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	14.2 °C	2	Barometric Pressure	756 mm of Hg
3	Average Relative Humidity	54.0 %	4	Weather Condition	Clear Day

1. Sampling Location : Near Gasifier (9.6 Meter Distance)

Sl. No	Parameters	Test Method	Results
1	Concentration of Total Suspended Particulate Matter	IS : 5182 (Part – 4)	505.27 µg/M ³

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.

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



NABL ACCREDITED
Certificate No. TC-5109

Phone : (0341) 2252011
Fax : (0341) 2252011

Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

E-mail : ecocareasansol@rediffmail.com
Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

ULR NO – TC510919000001686F

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

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191251
Test Report No : EC/TR/42/12256	Source of Sample : Steel Plant
Type of Sample : Noise	Sampling Date : 11.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ----
Sample Details : Ambient Noise	Sample Condition : ----
Name & Address : Mongia Steel Ltd	Remarks : ----
At – Bhudhiyadih	Sample Drawn By : ECO CARE
P.O – Bhudhiyadih, Giridih	Sampling Plan &
Jharkhand – 815302	Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	14.2
2	Average Relative Humidity (%)	54.0
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 Lat-24°9'30.26137" (N) Long-86°19'40.94849" (E)	54.10 dB(A)	63.72 dB(A)	68.40 dB(A)
2. Near Rolling Mill Area Lat-24°9'28.19228" (N) Long-86°19'36.57323" (E)	56.80 dB(A)	61.62 dB(A)	65.90 dB(A)
3. Near Induction Furnace Area Lat-24°9'33.7526" (N) Long-86°19'36.31856" (E)	50.50 dB(A)	64.11 dB(A)	69.70 dB(A)

1. Test values are reported based on the samples received.
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Nupur Chatterjee
B. Sc. M. Sc. (Env. Sc.)
Dy Technical Manager



ULR NO – TC510919000001687F

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

TEST REPORT

Report Release Date : 16.12.2019	Sample Ref. No.(ARF) : EC/ARF/29/191251
Test Report No : EC/TR/42/12257	Source of Sample : Steel Plant
Type of Sample : Ground Water	Sampling Date : 11.12.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 13.12.19 to 14.12.19
Sample Details : Bore Well	Sampling Location : Near Store Room of Induction Furnace
Name & Address : Mongia Steel Limited At – Bhudhiyadih P.O – Bhudhiyadih, Giridih Jharkhand – 815302	Sample Condition : Sealed & Preserved Sample Stamped as : “MSL – 105” 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 24.1 °C		4500-H ⁺ B	6.5 – 8.5	7.26
2	TDS	mg/l	2540 C	500.0	407.30
3	Turbidity	NTU	2130 B	1.0	< 1.00
4	Total Alkalinity (as CaCO ₃)	mg/l	2320 B	200.0	161.95
5	Chloride (as Cl ⁻)	mg/l	4500 – Cl ⁻ B	250.0	35.22
6	Total Hardness (as CaCO ₃)	mg/l	2340 C	200.0	183.60
7	Calcium (as Ca ²⁺)	mg/l	3500 – Ca B	75.0	57.23
8	Sulphate (as SO ₄ ²⁻)	mg/l	4500 – SO ₄ ²⁻ E	200.0	23.37
9	Iron (as Fe)	mg/l	3500 – Fe B	0.3	0.08
10	Magnesium (as Mg)	mg/l	3500 – Mg B	30.0	9.91

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



Eco Care



Certificate No. TC-5109

Phone : (0341) 2252011

Fax : (0341) 2252011

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E-mail : ecocareasansol@rediffmail.com
Manoj Talkies Basement, Kumarpur
ASANSOL-713304 (W.B.)

ULR NO – TC510919000001683F

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

TEST REPORT

Report Release Date : 26.09.2019	Sample Ref. No.(ARF) : EC/ARF/29/190955
Test Report No : EC/TR/42/09260	Source of Sample : Steel Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 23.09.2019
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 25.09.19 to 26.09.19
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Mongia Steel Limited	Remarks : ---
At – Bhudhiyadih	Sample Drawn By : ECO CARE
P.O – Bhudhiyadih, Giridih	Sampling Plan &
Jharkhand – 815302	Procedure : EC/SOP/03/01
	Deviation if any : None


METEOROLOGICAL INFORMATION

1	Average Temperature	27.6 °C	2	Barometric Pressure	755 mm of Hg
3	Average Relative Humidity	65.0 %	4	Weather Condition	Clear Day

1. Sampling Location : Near Gasifier (9.5 Meter Distance)

Sl. No	Parameters	Test Method	Results
1	Concentration of Total Suspended Particulate Matter	IS : 5182 (Part – 4)	485.67 µg/M ³

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.


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 B. Sc. M. Sc. (Env. Sc.)
 Dy Technical Manager

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 इन्वॉयरमेंट 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

प्रमाणित स्वकर, शनिवार 30 दिसंबर, 2018

Certified to be true
MONGIA STEEL LTD.
Havind
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, शनिवार 30 दिसंबर, 2018

Certified to be true
MONGIA STEEL LTD.
Hauzoh.
DIRECTOR