



सत्यमेव जयते

File No: EC/SEIAA/2024-25/3123/2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), JHARKHAND)

\*\*\*



Date 22/01/2025



To,

Binay kumar Singh  
niranjan metallic limited  
4D ,Maruti Tower ,tiranga Chowk ,giridih, GIRIDIH, JHARKHAND, 815301  
niranjan4binay@gmail.com

**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

**Sir/Madam,**

This is in reference to your application submitted to SEIAA vide proposal number SIA/JH/IND1/513292/2024 dated 14/12/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24B1002JH5104031N
(ii) File No.	EC/SEIAA/2024-25/3123/2024
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vii) Name of Project	Expansion of Sponge iron plant production from 33,000TPA to 62700 TPA by enhancement of Kiln 100 TPD to 190 TPD M/s. Niranjan Metallic Limited
(viii) Name of Company/Organization	niranjan metallic limited
(ix) Location of Project (District, State)	GIRIDIH, JHARKHAND
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/

EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by SEIAA in the meeting held on 07/06/2024. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link [click here](#).
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in orm-1 (Part A, B and C)/ EIA & EMP Reports / presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact Assessment Authority (SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Binay kumar Singh under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. Validity of EC is upto 22/01/2025 to the start of production operations by the project or activity. Validity of EC becomes perpetual subject to the start of production operations by the project or activity on or before the [Project\_Date] In case the project proponent fails to start the production operations within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment.
12. General Instructions:
  - (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
  - (b) 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.
  - (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
  - (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
  - (e) 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.
  - (f) 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.
  - (g) 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.

13. This issues with the approval of the Competent Authority

**Copy To**

N/A

**Annexure 1**

**Standard EC Conditions for (Metallurgical Industries (ferrous and non ferrous))**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**2. Air Quality Monitoring And Preservation**

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04/06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous and their no's.)
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx 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.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points

S. No	EC Conditions
	including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.

**Additional EC Conditions**

N/A

**Annexure 2**

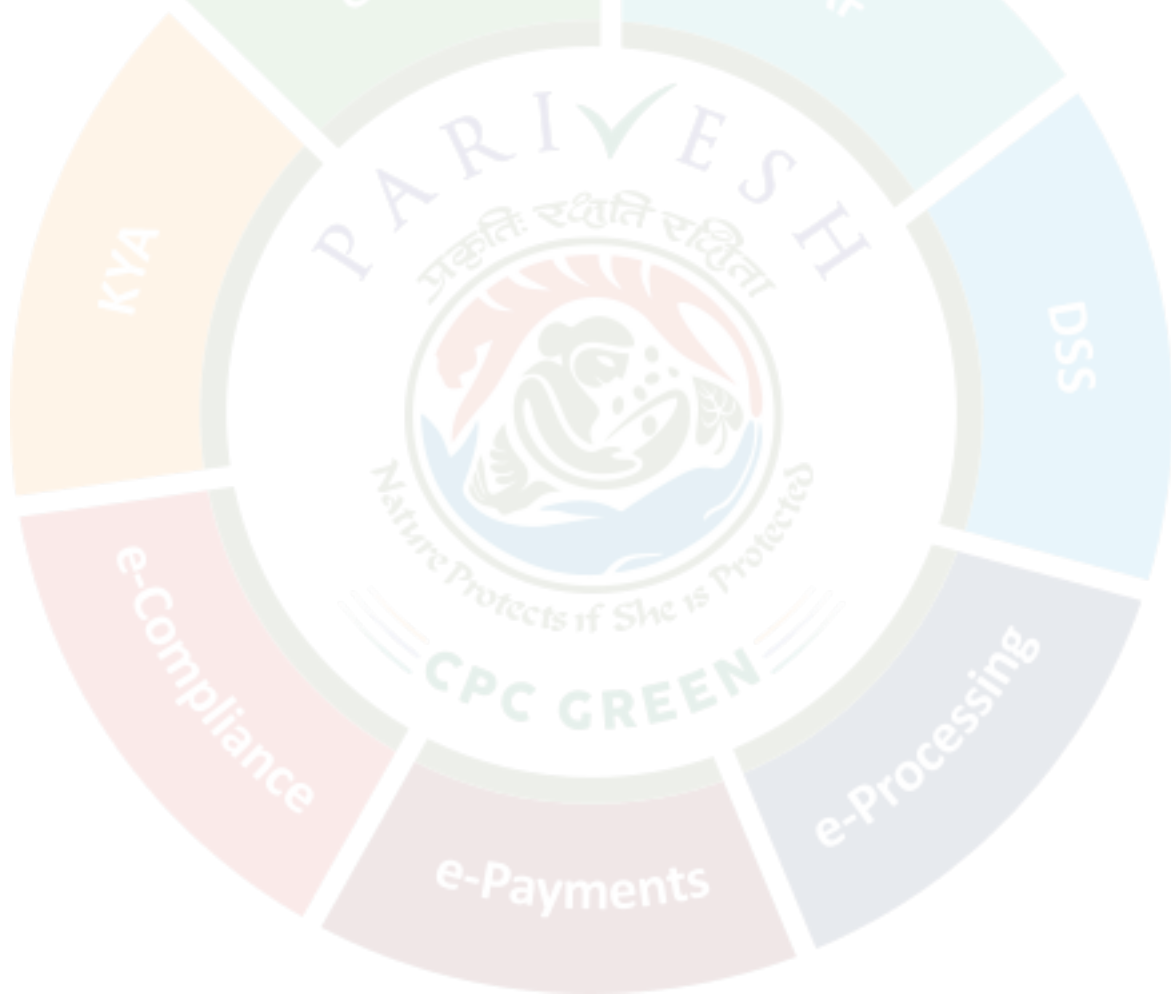
**Details of the Project**

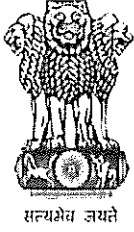
S. No.	Particulars	Details	
a.	Details of the Project	Expansion of Sponge iron plant production from 33,000TPA to 62700 TPA by enhancement of Kiln 100 TPD to 190 TPD M/s. Niranjana Metallic Limited	
b.	Latitude and Longitude of the project site	24.11644393827372,86.3403969931622 24.11994270569214,86.34849650671131	
c.	Land Requirement (in Ha) of the project or activity	<b>Nature of Land involved</b>	
		<b>Area in Ha</b>	
		Non-Forest Land (A)	9.08
		Forest Land (B)	0
		Total Land (A+B)	9.08
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	35.69	
g.	EMP Cost (in lacs)	858	

S. No.	Particulars	Details
h.	Employment Details	

**Details of Products & By-products**

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Sponge Iron	Product	33000	29700	62700	Tons per Annum (TPA)	Road
Dolochar	By-Product	8250	7425	15675	Tons per Annum (TPA)	Road





**State Level Environment Impact Assessment Authority, Jharkhand.**

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

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website: [www.jseiaa.org](http://www.jseiaa.org)

Letter No.- EC/SEIAA/2024-25/3123/2024/

Ranchi, Date:

To: M/s Niranjan Metallic Limited,  
Directors : 1. Shri Binay Kumar Singh  
2. Shri Nishant Banka 3. Shri Uday Kumar Soni,  
Nandlal School Road - 153 Chirkunda,  
Nirsa-cum-Chirkunda, District : Dhanbad,  
Jharkhand : 828202.

Sub.: Environmental Clearance for the project “Expansion of Sponge Iron Plant Production From 30,000 TPA to 57000 TPA By Enhancement of Kiln 100 TPD to 190 TPD by M/s Niranjan Metallic Limited at Village : Gadi Srirampur, Tehsil : Giridih, District : Giridih, Jharkhand” (Proposal No. : SIA/JH/IND1/513292/2023) – regarding.

Ref: Your application no. Nil, dated - 12.12.2024.

Sir,

It is in reference to the project “Expansion of Sponge Iron Plant Production From 30,000 TPA to 57000 TPA By Enhancement of Kiln 100 TPD to 190 TPD by M/s Niranjan Metallic Limited at Village : Gadi Srirampur, Tehsil : Giridih, District : Giridih, Jharkhand”, submitted by you for seeking prior Environmental Clearances (EC).

This is an expansion project which has been taken for appraisal on 21.12.2024.

**Project Sector: 3 (a) Metallurgical Industries (secondary metallurgical processing) as per EIA Notification, 2006, Category: B1.**

**Application for Environmental Clearance (EC) after ToR.**

The State Expert Appraisal Committee, Jharkhand deliberated the project during its 113<sup>th</sup> meeting held on 30.05.2024 - 03.06.2024 and SEIAA, Jharkhand has approved the ToRs in 113<sup>th</sup> meeting held on 07<sup>th</sup> & 08<sup>th</sup> June, 2024. TOR for the project was issued by SEIAA, Jharkhand vide letter no. EC/SEIAA/2024-25/3123/2024/120, dated 14.06.2024. The final EIA / EMP submitted by PP to SEAC on 12.12.2024.

**Project details:**

S.N.	Parameters	Description
1	Identification of project	Project falls under Metallurgical Industries (secondary metallurgical processing) Item 3(a) of the schedule of EIA notification of Sept 14, 2006 issued by MOEF & CC.

S.N.	Parameters	Description						
2	Project Proponent	M/s. Niranjana Metallic Limited						
3	Brief description of nature of the project	Expansion of Sponge iron plant production from 30,000 TPA to 57000 TPA by enhancement of Kiln 100 TPD to 190 TPD						
4	<b>Salient Features of the Project</b>							
4.1	Proposed production capacity	Expansion of Sponge iron plant production from 30,000 TPA to 57,000 TPA by enhancement of Kiln 100 TPD to 190 TPD.						
4.2	Existing Capacity	Sponge Iron~100 TPD or 30,000 TPA						
4.3	Capacity after proposed expansion	Sponge iron~ 190 TPD or 57,000 TPA						
4.4	Total Plot Area	38.23 Acre						
	Khata	111	168	125	63	171	1	
	Plot	2464, 2491	2483	2465, 2463	2494	2463,2466,2467, 2469,2472,2487, 2495,2484, 2490	2490	
4.5	Location	Village-Gadi Srirampur, Mauza-Panchkurhi, Dist: Giridih – 815301, Jharkhand.						
4.6	Geo-Coordinate	Latitude-24°7'0.060"N to 24°7'12.620"N, Longitude-86°20'25.647"E to 86°20'54.762"E						
4.7	Water requirement	Overall water requirement for the proposed expansion project will be approx. 169 KLD out of which 79.0 KLD will be used as makeup water including domestic purpose. Total water requirement for the existing project was 82 KLD.						
4.8	Source of water	Borewell						
4.9	Wastewater	The domestic water consumption will result in generation of ~7.2 KLD of domestic wastewater. The wastewaters will be managed through septic tank & soak pits.						
4.10	Man Power	Construction phase: Around 150 persons Operation phase: Around 195 persons						
4.11	Electricity/Power requirement	Existing Power requirement was 500 KVA. Proposed requirement will be 1000 KVA. Total power requirement after expansion will be 1500 KVA or 1.5 MW. For emergency power requirement 1x600 KVA DG Set has been installed. Additionally, 1x600 KVA. DG set shall be installed under the proposed expansion.						
4.12	Alternative site	The proposed addition will be established in the existing plant						

S.N.	Parameters	Description
		premises only.
4.13	Project Cost	35.69 Crs.

**Land Details:**

<b>Khata no.</b>	111	168	125	63
<b>Plot no.</b>	2464, 2491	2483	2465, 2463	2494

Plant obtained CTE from Jharkhand State Pollution Control Board (JSPCB) vide Application.No. N-342 dated 21-05-2005 for production capacity of Sponge Iron-100 MT/day. The unit has obtained CTO for the same production though vides Ref No. JSPCB/HO/RNC/CTO-18573366/2024/1148 dated 12/07/2024 valid upto 31/03/2025.

**SALIENT FEATURES OF THE PROJECT EXISTING & PROPOSED**

S.No.	Particulars	Existing	Proposed	Total Production (After expansion final)
Unit processes/ machinery				
1.	Sponge Iron Plant	1x100 TPD Sponge Iron (30,000 TPA)	Installed additional 1x 90 TPD 27,000 TPA	(1X100 TPD+1X90 TPD) 57,000 TPA
2.	Fixed capital investment (Rs)	~ 20.47 Crore	~15.22 Crore	~35.69 Crore
3.	Electrical power requirement	~500 KVA	~300 KVA	~800KVA
4.	Manpower requirement	~45	~40 (Direct) ~110 (Indirect)	~195
5.	Makeup water requirement	35 KLD	42 KLD	79 KLD
6.	Domestic water requirement	2.0 KLD	7.0 KLD	9.0 KLD
7.	Domestic wastewater generation	1.6 KLD	5.6 KLD	7.2 KLD
8.	Raw Material	Pellets: 58090 TPA Non-Coking Coal: 32858 TPA	Pellets: 47528 TPA Non-Coking Coal: 25818 TPA	Pellets: 105618 TPA Non-Coking Coal: 58676 TPA

		Dolomite/Limestone: 1810 TPA	Dolomite/Limestone: 1543 TPA	Dolomite/Limestone: 3353 TPA
9.	Fuel	HSD- DG sets		

**Mass balance of pellets based proposed sponge iron of 190 TPD Niranjana Metallies Limited, Giridih**

S.N.	INPUT	Quantity TPD	Per annum	OUTPUT	Quantity TPD	Per annum
1	Pellets/ Iron Ore	275.5	82,650.0	Sponge Iron	190.0	57000
2	Coal	237.5	71,250.0	Wet scrapper sludge	5.1	1539
3	Dolomite	7.6	2,280.0	Dolochar	47.5	14250
4		0.0	0.0	ESP, Bag Filter Dust	15.4	4617
5				Accretion	12.8	3847.5
6		0.0	0.0	Volatile losses	249.8	74926.5
	<b>Total</b>	<b>521</b>	<b>1,56,180</b>		<b>521</b>	<b>156180</b>

**Total Water Requirement for the Existing Plant (KL)**

S.No.	Unit	Purpose	Existing (100 TPD)		Proposed (90 TPD)			Waste water generation (KLD)
			Recirculating water (KLD)	Make up water (KLD)	Recirculating water (KLD)	Make up water (KLD)	Total water requirement after proposed expansion (KL)	
1.	DRI Plant	Cooling	45	35	45	35	160	0
2.	Domestic	Drinking & Sanitation	0	2	0	7.0	9	7.2
3	Plantation	Green belt development	03	00	04	00	07	0
<b>Total</b>			<b>48</b>	<b>37</b>	<b>49</b>	<b>42</b>	<b>176</b>	<b>7.2</b>

Total waste water generation is 7.2 KLD which will be used for green belt development

**Make-up Water (Fresh) Requirement for the Existing & Proposed Plant (KLD)**

Unit	Makeup water Existing (KLD)	Makeup water for Proposed Units	Makeup water Total after expansion
DRI Plant	35	35	70
Drinking & Sanitation	2	7	9
<b>Total</b>	<b>37</b>	<b>42</b>	<b>79</b>

Total waste water generation is 7.2 KLD which will be used for green belt development

The capacity of the rain water pond is around 5500 sqm with an average depth 4 m, water holding capacity is 22,000 Cum. Source of water ground water and rainwater harvesting. The water from RWH tank can meet approximately 60 days of industrial demand.

**Raw Material details for sponge iron unit**

Unit	Annual Requirement (TPA)	Mode of Transportation	Distance covered	Source as e.g. #
<b>Pellets/ Iron Ore</b>	82,650.0	Railway/Truck	Approx. 250 km	Rungta Mines Ltd.Jharkhand Amalgam Jharkhand Rashmi Metallic, Kharaghpur, W.B. and other sources
<b>Non-Coking Coal</b>	71,250.0	Truck	Approx. 300 km	Adani Enterprises Haldia (Bengal) Madhya Pradesh and other sources
<b>Dolomite/Limestone</b>	2,280.0	Truck	Approx. 370 km	Bhutan, Banaras and other sources

This is an indicative source of material while materials can be sourced from open market as per availability.

### Solid Waste Generation & Management

Unit	Solid Waste Generated	Quantity in (TPD)	Mode of Disposal	Recycle & Reused Unit
Sponge Iron Plant (190 TPD)	Char	47.5	Char will be sold to Power plant. Will be supplied to vendors - use as construction & low-lying areas filling.	Will be sold to Ankit Metal Power Limited; BISCO Metal Power Pvt. Ltd. etc. Shyam Metal
	Wet Scrapper	5.1		
	Accretion	12.8		
ESP & Bag Filter	Dust	15.4	Brick making plants.	ESP & Bag Filter dust sold to authorized recycler. For proposed expansion the generated dust will be sold to Mongia Bricks.
Domestic	MSW	10237kg/annum	The Municipal waste generated during the project will be segregated and handed over to local municipal	--
Cooling Tower	Sludge/Salt	192kg/annum	Used as earthing	--

### Public Hearing Details

S.N.	Particulars	Date and Description
1.	Date of Advertisement	<sup>th</sup> 6 October, 2024
2.	Date of Public Hearing	8th October, 2024.
3.	Place of Public Hearing	Utkramit Prathmik Vidyalaya Kalhamanjho, Panchayat- Gadi Srirampur, District- Giridih (Jharkhand).

4.	<b>Officials in Public Hearing</b>	1. Shri Jitendra Prasad Singh, Regional Officer, Regional Office, Jharkhand State Pollution Control Board, Hazaribagh. 2. Shri Sumit Kumar Jha, Assistant Environmental Engineer, Jharkhand State Pollution Control Board Headquarters.
5.	<b>Public attended Public Hearing</b>	More than 25
6	<b>Main issue discussed during the Public Hearing</b>	Pollution Control Measures (for Air pollution, Dust emission). Employment for local people, Water Crises and its management, Greenbelt developed, Street Lighting, Road Development,

### Budgetary Provision for Action Plan based on Public Hearing

Action Plan	Budgetary Provision	Time Frame (Year)		
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Pollution Control Measures(Air Pollution) at plant site	Covered under EMP Budget	-	-	-
Road militance fund at Village Purani Pateria	5.00	2.5	2.5	-
Educational support for Local People at village Kalahmajhi	10.00	5	5	-
Plantation along village pond at	5.00	-	-	5
Safety cover to employees	Covered under EMP Budget	-	-	-
Health checkup/facilities to local people at village Purani Pateria	4	2	2	-
Drinking Water facility at village Gadishrirampur	6	3	3	-

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Marriage Fund to Poor Families at village Kalahmajhi	9	3	3	3
Total	39.00 lakhs	15.5 lakhs	15.5 lakhs	8 Lakhs

**Budget for Environmental Monitoring and management Plan  
(OPERATION PHASE)**

Sl No	Description		Capital Cost (Lakh)	Recurring Cost/annum (Lakhs)
1	Air Pollution Management	Lime wet scrubber + Bag filter + stack	450	112.5
2	Effluent Treatment (Water Pollution Management)	Effluent and sewage treatment plant	200	25
3	Environment Monitoring	Online monitoring of air and water	50	12.5
		Third party investment for monitoring	10	2.5
4	Noise Pollution Control	(Including cost of Landscaping, Equipment's/, Road side plantation, etc.)	12	3
5	Solid waste management	Slag and ash handling & management	50	12.5
		Others.	10	2.5
6	Greenbelt & plantation development	Plantation & Greenbelt (Core and Buffer Zone)	28	7
7	RWH (Rain water collection tank and Ground water Recharge).	Required Infrastructure,	24	6
8	Safety and OHSAS	Safety Audits in the industry,	12	3
	(Occupational Health & Safety including PPEs etc.)	Primary Health Center and Emergency System,	12	3

9	PH commitment	Action plan budgetary provision	39 (the amount will be used for 3 years)	-
		<b>Total</b>	<b>878</b>	<b>189.5</b>

**Details of Solid waste and Mode of disposal**

Description of the Plant	Plant Capacity	By-product/Waste Product	Mode of Disposal	Authorized Persons e.g.
Sponge Iron Plant	190 TPD X 300 Days	Char -47.5 TPD Wet scrapper sludge 5.1 TPD Accretion 12.8 TPD	Char will be sold to Power plant Will be supplied to vendors - use as construction & low-lying areas filling.	Will be sold to Ankit Metal Power Limited; BISCO Metal Power Pvt. Ltd. etc.  Shyam Metal & others
	ESP Bag Filter units-7 Nos.	Approximately 15.4 TPD of ESP dust + from bag filter unit generated during the plant operation	Brick making plants.	ESP & Bag Filter dust sold to authorized recycler. For proposed expansion the generated dust will be sold to Mongia Bricks and others
Domestic	195 Persons	10237 kg/annum	The Municipal waste generated during the project will be segregated and handed over to local municipal	--
Sludge/Salt from cooling towers	--	192 kg/annum	Used as earthing	Inhouse and nearby factory

**Expected Budget of the CSR activities based on the need-based assessment of Socio Economic survey**

S.No	Activities	Expected Budget (in Lakh)	Time Frame		
			1 <sup>st</sup> Yr	2 <sup>nd</sup> Yr	3 <sup>rd</sup> Yr
1.	Infrastructure support to the schools in villagesKalahmajhi	6	3	2	1
2.	Distribution of sports kits to the Middle schools and books to the High Schools in villagesHatamahari,	4	2	1	1
3.	Distribution of 25 Water purifiers @ Rs. 8000 to the Public Health Centers (PHCs) and schools of the nearby villagesGadishrirampur and Purani Pateria.	2	2	0	0
4.	<b>Total Budget</b>	<b>12</b>	<b>7</b>	<b>3</b>	<b>2</b>

### Conservation Plan

As per the Wildlife (Protection) Act, 1972 and its recent amendment in December, 2022, a total of five (5) number of schedule-I species were have been receded from the different parts of the study area.

A detailed site-specific conservation plan for these faunal species has been prepared. However, care will be taken during the developmental activities if any other wildlife species will be found. Although, all the activities of the steel plant will be limited to its premises only, hence there is no direct impact on the any wildlife fauna of the present study area.

An amount of 1.58 Cr has been allocated for the Conservation Plan and the allocated amount will be used for a period of 9 years for different purposes.

The amount of conservation plan may change as per the approval from CWW/PCCF Jharkhand

### STATUTORY CLEARANCES:

1	LOI/Lease docs	:	Private land, owned by M/s. Niranjn Metallic Limited
2	CO	:	The CO, Giridih vide letter no. 912, dated 15.09.2022 has mentioned the plot no. of the project is not recorded as "Jungle Jhari" in R.S. Khatiyen.
3	DFO Wild Life	:	DFO, Wildlife Hazaribagh vide letter no. 236, dated 10.02.2024 certified that the proposed project site is outside Eco Sensitive Zone of Parasnath & Topchanchi Wildlife

		Sanctuary.
4	DFO Forest Distance	: DFO, Giridih East Forest Division vide letter no. 1350, dated 20.04.2024 certified that the distance of notified forest is <b>18 meters</b> from project site.  This being an expansion in a existing project and no addition of new land, siting criteria is not applicable.
5	Consent to Establish (CTE)	: <b>CTE</b> issued by JSPCB vide Ref. no. N-342, dated 21.05.2005.
6	Consent to Operate (CTO)	: <b>CTO</b> granted by JSPCB vide Ref. no. i. JSPCB/HO/RNC/CTO-15553178/2023/1232, dated 16.07.2023. ii. JSPCB/HO/RNC/CTO-18573366/2024/1148 dated 12/07/2024 valid upto 31/03/2025.
7	Public Hearing	: JSPCB, Regional Office –cum- Laboratory, Hazaribag vide letter no. 1818, dated 15.10.2024 informed that Public Hearing conducted on 08.10.2024.
8	Baseline data collection	: 1 <sup>st</sup> March, 2024 to 31 <sup>st</sup> May, 2024.

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its 119<sup>th</sup> meeting held on 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> December, 2024.

State Level Environment Level Impact Assessment Authority (SEIAA), Jharkhand in its 119<sup>th</sup> meeting held on 30<sup>th</sup> & 31<sup>st</sup> December, 2024 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 of Sponge Iron Plant Production From 30,000 TPA to 57000 TPA By Enhancement of Kiln 100 TPD to 190 TPD by M/s Niranjan Metallic Limited at Village : Gadi Srirampur, Tehsil : Giridih, District : Giridih, Jharkhand**” alongwith the following specific conditions as recommended by SEAC.

**I. Specific Conditions :**

1. 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.

*Signature*

*Signature*

*Signature*

2. The Wildlife Conservation Plan prepared is to be submitted to the competent authority for approval and evidence of the same is to be submitted to SEIAA prior to issuance of the EC. The Approved copy of Wildlife Conservation Plan shall be submitted to SEIAA/SEAC within 06 months of the grant of EC.
3. Maximum quantity of Rain Water Harvested shall be used within the plant permises and only surplus RWH water shall be recharged to ground.
4. No effluent to be discharged out side the plant premises.
5. In compliance of OM no.F.No. IA3-22/3/2024-IA.III (E-241594) dated 24.07.2024 of MoEF&CC, Govt. of India plantation of saplings shall be carried out in the earmarked green belt area as the part of tree plantation campaign “*Ek Ped Ma Ke Naam*” and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).
6. Ground water to be drawn for use in the project only after obtaining permission from the Competent Authority.
7. Environment management system including organization structure to be drawn to ensure compliance of EC conditions stipulated based on principles of Continual Improvement and periodical management review.
8. All raw material to be stored only under covered shed.
9. Trees should be developed & maintained not less than 33% of project area.

## II. Statutory Compliance :

1. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3. 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).
4. In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors. the Hon'ble Supreme Court passed an order dated 03.06.2022 " National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to".
5. 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.
6. 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.






7. 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 :

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31<sup>st</sup> 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.
2. 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.
3. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> 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)
4. 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.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8. 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.
9. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
10. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
11. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
12. 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:

1. 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).
2. 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.
3. 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.
4. Adhere to 'Zero Liquid Discharge'.
5. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
6. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time.
7. 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
8. The project proponent shall practice rainwater harvesting to maximum possible extent.
9. 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:

1. 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.
2. 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 Conservations measures:

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. Ensure installation of regenerative type burners on all reheating furnaces.
4. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
5. Provide the project proponent for LED lights in their offices and residential areas.

## VII. Waste Management:

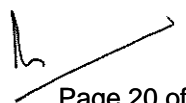
1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
5. 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:

1. 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.
2. 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:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. 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.
3. 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.

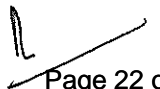
#### **X. Corporate Environment Responsibility:**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
4. 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.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
7. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

#### **XI. Miscellaneous:**

1. 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.
2. 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.

3. 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.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral 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.
5. 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.
6. 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.
7. 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.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. 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.
10. 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).
11. 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.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14. 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.
15. 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.

16. 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:

1. 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.
2. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.
3. 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.

Sd/-  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.

Memo No.- EC/SEIAA/2024-25/3123/2024/534

Dated: 13/01/2025

Copy to:

1. Principal Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District – Giridih, Jharkhand.
3. Divisional Forest Officer, Giridih East Forest Division, Giridih, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Regional Office, Ministry of Environment, Forest and Climate Change, Govt. of India, 2<sup>nd</sup> Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Member Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.

Member Secretary

State Level Environment Impact  
Assessment Authority, Jharkhand