



सत्यमेव जयते

**Government of India  
Ministry of Environment, Forest and Climate Change**



Date: 18/12/2023

**ACKNOWLEDGEMENT**

This is to acknowledge that STEEL EXCHANGE INDIA LIMITED has provided the information on PARIVESH Portal in respect of Proposed Establishment of new 6/11 Caster & Establishment of new Bar mill in the existing Plant premises under No Increase in Pollution Load in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1. The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) 'No increase in Pollution Load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry; (ii) last Consent to Operate certificate for the project or activity; and (iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal.
2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

[CAFForm 10](#)

**Application for No Increase in Pollution Load - Form-10**

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## Basic Details

1.		Whether Project /Activity accorded prior EC?	Yes
1.1.		Proposal No.	SEIAA/AP/VZM-09/2008
1.2.		Name of Project	Steel Exchange India Limited
1.3.		Whether the Project Activity attracts the provisions under	7(ii) (b)
1.3.1.		Category	B1
1.3.2.		Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors?	Yes
1.3.3.		Whether multiple items (Components) as per the notification involved in the proposal?	No
1.3.3.1.	Item No. as per schedule to EIA Notification, 2006 for Major Activity	3(a) Metallurgical Industries (ferrous and non ferrous)	Secondary metallurgical processing industry (Toxic and heavy metals)
1.3.3.2.	Capacity	0.250	MTPA
1.3.3.3.		Whether Project/Activity falls in 'B2' Category	No
2.		Whether the project proposed to be located in the Notified industrial area?	No

## 3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Consent No/Application No	Date	Valid Up to	Copy of Consent order
APPCB-11022/ 126/ 2019-TEC-CFO-APPCB	14/12/2022	30/11/2025	25.CTO order of Steel exchange VZN.pdf Preview

## 4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Authorization No./ Application No	Date	Valid Up to	Copy of Authorization order
APPCB-11022/ 126/ 2019-TEC-CFO-APPCB	14/12/2022	30/11/2025	25.CTO order of Steel exchange VZN.pdf Preview

## Product Details

### 1. Details of products & by-products including changes in product mix

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Captive Power Plant Units megawatt	60	TPA	Captive Power Plant Units megawatt	60	TPA	No Change in Power Generation under NIPL proposal (Captive Power Plant Units megawatt)
Structural Steels (Rolling Mill-Rebar division 20 stand continuous Mill)	250000	TPA	Structural Steels (Rolling Mill-Installation of new Bar mill)	250000	TPA	There will be no change in production capacity. Installation of new Bar mill does not Contribute to any Pollution. Moreover we also proposed to go for Hot charging of billets instead of previously adopted cooling of hot billets followed by heating of billets in reheating Furnace. The eliminates the air pollution completely
Billets(Billet division 4X25T Induction Furnace and 4/7 Caster machine)	250000	TPA	Billets(Installation of new 6/11 Caster (Existing 3-Strand 4/7 caster will become standby.)	250000	TPA	There will be no change in production capacity. Installation of new 6/11 Caster does not contribute to any Pollution. Moreover we also proposed to go for Hot charging of billets instead of previously adopted cooling of hot billets followed by heating of billets in reheating Furnace. The eliminates the air pollution completely
Sponge Iron	220000	TPA	Sponge Iron	220000	TPA	No Change

### 2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Billets(through Reheating Furnace)	264900	TPA	Hot Billets(Through hot charging without the replacement of Reheating Furnaces)	264900	TPA	No Change
Sponge Iron	225000	TPA	Sponge Iron	225000	TPA	No Change
Scrap	51900	TPA	Scrap	51900	TPA	TPA
Ferro Alloys	2700	TPA	Ferro Alloys	2700	TPA	No Change

2.1.	No
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Approval for additional water consumption if applicable	
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### 3.Details of Effluent Generation

#### 3.1.Quantity

Propose	Quantity of existing effluent generati on in KLD (as per EC/CTO)	Quantity of effluent generation after the proposed change in product or raw material mix in KLD	Mode of Disposal Ultimate Receiving Body
Domestic	8	8	Zero Liquid Discharge will be followed

#### 3.2.Quality

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
pH:- 6.5-8.5, TSS:- 100 mg/l, TDS:- 2100 mg/l, Oil and Grease:- 10mg/l	0	pH:- 6.5-8.5, TSS:- 100 mg/l, TDS:- 2100 mg/l, Oil and Grease:- 10mg/l	0	Nil

#### 3.3.Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatmen t facility existing (with capacity in KLD)	Total load in respect of Effluent after proposed change in product or raw material mix in KLD	Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD	Remarks if any
8	0	8	0	There will be no additional effluent generation with proposed NIPL

#### 3.4.Details of effluent management

<b>3.4.1.</b> Whether Segregation of Concentrated stream and its disposal is proposed?	No
<b>7.4.2.</b> Whether Reduction / Recycle / Reuse of effluent are proposed?	No
<b>7.4.3.</b> Whether any additional Effluent Treatment Facilities Provided?	No
<b>7.4.4.</b> Whether is there any proposal for up-gradation of ETP?	No
<b>7.4.5.</b> Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility?	No
<b>7.4.6.</b> Whether it is Proposed to achieve zero discharge?	Yes

7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility	Effluent Management.pdf Preview
7.4.7. Whether Project has Membership of CETP?	No

## Emission Generation

### 1.Details of Emission Generation

#### 1.1.

#### Quantity

##### (i) From Stacks

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
SO2 From Rolling Mill	50	1600.8	Kg Per Day	1600.8	Kg Per Day	0	Kg Per Day	0	Kg Per Day
NOx From Induction Furnaces 4x25 T	30	673.8	Kg Per Day	673.8	Kg Per Day	673.8	Kg Per Day	673.8	Kg Per Day
PM from Induction Furnaces 4x25 T	30	336.9	Kg Per Day	336.9	Kg Per Day	336.9	Kg Per Day	336.9	Kg Per Day
NOx From Rolling Mill	50	233.3	Kg Per Day	233.3	Kg Per Day	0	Kg Per Day	0	Kg Per Day
PM From Rolling Mill	50	155.5	Kg Per Day	155.5	Kg Per Day	0	Kg Per Day	0	Kg Per Day

##### (ii) From Fugitive sources

Fugitive Sources	Height of discharge in m	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
0	0	0	Kg Per Day	0	Kg Per Day	0	Kg Per Day	0	Kg Per Day

##### (iii) From other sources

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
0	0	0		0	Kg Per	0	Kg Per	0	Kg Per

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
					Day		Day		Day

## 1.2.

### Quality

Stack attached to	Stack Height in Meter	APCM	Parameter	Concentration			
				As per EC / CTO	Unit	After the proposed change in product or raw material mix	Unit
Rolling Mill	50	Stack	PM	155.5	Kg Per Day	0	Kg Per Day
Induction Furnaces 4x25 T	30	Fume Extraction System with Bagfilters	PM	336.9	Kg Per Day	336.9	Kg Per Day

## 2.

### Total load in respect of Emission

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
492.4	Kg Per Day	100	Miligram per Normal cubic meter (mg/Nm <sup>3</sup> )	336.9	Kg Per Day	100	Miligram per Normal cubic meter (mg/Nm <sup>3</sup> )	(-) 31.57% Reduction

## 3. Details of emission management

3.1. Whether there is any Proposal for switching over to cleaner fuel?	No
3.2. Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)	No
3.3.	No

Whether there is Proposal for the installation of new APCM? (with time-bound program)	
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## 1. Hazardous Waste Generation

### 1.1.

#### Quantity and type of waste

Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Generation per Year						
		Existing as per the EC / CTO	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
Slag from SMS	Non Hazardous	25000	Tons per Annum (TPA)	25000	Tons per Annum (TPA)	SMS Unit	Covered shed	Will be used in road Construction
Mill Scales From Rolling Mill	Non Hazardous	12500	Tons per Annum (TPA)	5000	Tons per Annum (TPA)	Rolling Mill	Covered Shed	Mill Scales will reused in SMS Unit

### 1.2.

#### Details of Waste management

<b>1.2.1.</b> Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	No
<b>1.2.2.</b> Whether Project has Membership of Common Secured Landfill Site?	No
<b>1.2.3.</b> Whether Project has Membership of Common hazardous waste incineration facility	No

## 2.

#### No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

2.1.	Institution Empaneled By the MoEFCC
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Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC	
2.2. Upload the Certificate of 'No Increase in Pollution' Load.	NIPL 16.12.23.pdf Preview

3.

### Online Continuous effluent/emission Monitoring System

Quantity

							Date of connection to the servers of	
Attribute	Constituents	Date of installation	Details calibration of OCEMS	No. of time data exceeds the limit	Value Exceeded	Status of OCEMS functioning	CPCB	SPCB
Emissions	PM < 100 mg/Nm3	19/01/2015	Last calibration date:-04-10-2023	0	0	Yes	20/01/2015	20/01/2015

### 1.Additional Information

S. No.	Document Name	Remark	Document
1	NIPL Certificate	NIPL Certificate	NIPL 16.12.23.pdf Preview
2	EC Copy	EC Copy	5. 17.05.2016 Steel Exchange EC Amendment -EAF to IF.pdf Preview
3	Solid waste Management.	Solid waste Management.	Solid waste Management.pdf Preview
4	Effluent Management	Effluent Management	Effluent Management.pdf Preview
5	Authorization Letter	Authorization Letter	Board Resolution Final.pdf Preview
6	Air Emission Management	Air Emission Management	Air Emission Management.pdf Preview
7	CFE Copy	CFE Copy	24.CFE- 854 dated 30.06.2009.pdf Preview
8	CTO Copy	CTO Copy	25.CTO order of Steel exchange VZN.pdf Preview

### 1.Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hereby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	MVMK Varma Raju
1.2. Designation	Vice President

<b>1.3.</b> Company	STEEL EXCHANGE INDIA LIMITED
<b>1.4.</b> Address	Malliveedu & Sreerama Puram Villages, L. Kota Mandal, Vizianagaram District, Andha Pradesh
<b>1.5.</b> Date	18-12-2023

