सत्यमेव जयते

Government of India
Ministry of Environment, Forest and Climate Change

Date: **28/11/2023**

ACKNOWLEDGEMENT

This is to acknowledge that JD STEEL INDUSTRIES PRIVATE LIMITED has provided the information on PARIVESH Portal in respect of For proposed “Change in Submerged Electric Arc Furnace plant Configuration from 1 x 10 MVA to 4 x 2.5 MVA There will be no change in over all Ferro Alloys production capacity due to the proposed change in configuration the production capacities will remains Ferro Silicon 7,700 TPA/ Ferro Manganese 28,000 TPA / Silico Manganese 16,000 TPA / Ferro Chrome 16,000 TPA only. without increase in the Pollution Load in the existing plant premises as per Gazette Notification dated 23rd November 2016 & 16t 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.	IA/CG/IND1/436588/2023
1.2. Name of Project	Expansion of Induction Furnace unit (Hot Billets / MS Billets/ Ingots from 29,200 TPA to 1,98,000 TPA), New Rolling Mill # 1 (TMT Bar, Patra, Wire Rod, CR Sheets, HR Sheets, Pipe Plant and Other Rerolled Products - 70% Hot charging and remaining 30% through RHF - 2,64,000 TPA), New Rolling Mill # 2 (Square Pipe & Round Pipe - 2,64,000 TPA), New Ferro Alloys Unit (1 x 10 MVA - FeSi – 7700 TPA / SiMn – 16,000 TPA / FeMn – 28000 TPA / FeCr – 16,000 TPA), New Coal Gasifiers (Producer Gas - 1 x 50
1.3. Whether the Project Activity attracts the provisions under	7(ii) (b)

1.3.1. Category	A
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)	Ferro Alloy Plants
1.3.3.2. Capacity	0.028	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
IA-J-11011/432/2021-IA-II(IND-I)	15/11/2023	14/11/2033	CTO.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
IA-J-11011/432/2021-IA-II(IND-I)	15/11/2023	14/11/2033	Hazard.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
Silico Manganese	16000	TPA	Silico Manganese	16000	TPA	Change in Configuration of Submerged Electric Arc Furnace plant from 1 x 10 MVA to 4 x 2.5 MVA with no change in overall production of Ferro Alloys production capacity", due to the proposed change in configuration the production capacities will remains same
Ferro Silicon	7700	TPA	Ferro Silicon	7700	TPA	Change in Configuration of Submerged Electric Arc Furnace plant from 1 x 10 MVA to 4 x 2.5 MVA with no change in overall production of Ferro Alloys production capacity", due to the proposed change in configuration the production capacities will remains same
Ferro Manganese	28000	TPA	Ferro Manganese	28000	TPA	Change in Configuration of Submerged Electric Arc Furnace plant from 1 x 10 MVA to 4 x 2.5 MVA with no change in overall production of Ferro Alloys production capacity", due to the proposed change in configuration the production capacities will remains same
Ferro Chrome	16000	TPA	Ferro Chrome	16000	TPA	Change in Configuration of Submerged Electric Arc Furnace plant from 1 x 10 MVA to 4 x 2.5 MVA with no change in overall production of Ferro Alloys production capacity", due to the proposed change in configuration the production capacities will remains same

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
Briquetted Bag Filter Dust(For Silico Manganese)	240	TPA	Briquetted Bag Filter Dust(For Silico Manganese)	240	TPA	No Change
FeMn. Slag(For Silico Manganese)	16929	TPA	FeMn. Slag(For Silico Manganese)	16929	TPA	No Change
Briquetted Bag Filter Dust(For Ferro Manganese)	1400	TPA	Briquetted Bag Filter Dust(For Ferro Manganese)	1400	TPA	No Change
LAM Coke(For Silico Manganese)	6000	TPA	LAM Coke(For Silico Manganese)	6000	TPA	No Change
LAM Coke(For Ferro Chrome)	5280	TPA	LAM Coke(For Ferro Chrome)	5280	TPA	No Change
MS Scrap/Mill Scale(For Ferro Chrome)	2400	TPA	MS Scrap/Mill Scale(For Ferro Chrome)	2400	TPA	No Change
Briquetted Bag Filter Dust(For Ferro Chrome)	1024	TPA	Briquetted Bag Filter Dust(For Ferro Chrome)	1024	TPA	No Change
LAM Coke(For Ferro Silicon)	4312	TPA	LAM Coke(For Ferro Silicon)	4312	TPA	No Change
Magnetite/Bauxite(For Ferro Chrome)	2704	TPA	Magnetite/Bauxite(For Ferro Chrome)	2704	TPA	No Change
Mill Scales(For Ferro Silicon)	1810	TPA	Mill Scales(For Ferro Silicon)	1810	TPA	No Change
Electrode Paste(For Silico Manganese)	320	TPA	Electrode Paste(For Silico Manganese)	320	TPA	No Change
Quartz(For Silico Manganese)	3840	TPA	Quartz(For Silico Manganese)	3840	TPA	No Change
Dolomite(For Ferro Manganese)	4760	TPA	Dolomite(For Ferro Manganese)	4760	TPA	No Change
Electrode Paste(For Ferro Silicon)	154	TPA	Electrode Paste(For Ferro Silicon)	154	TPA	No Change
Lam Coke(For Ferro Manganese)	10200	TPA	Lam Coke(For Ferro Manganese)	10200	TPA	No Change
Briquetted Bag Filter Dust(For Ferro Silicon)	293	TPA	Briquetted Bag Filter Dust(For Ferro Silicon)	293	TPA	No Change
Quartz(For Ferro Chrome)	2800	TPA	Quartz(For Ferro Chrome)	2800	TPA	No Change
Manganese Ore(For Ferro Manganese)	63700	TPA	Manganese Ore(For Ferro Manganese)	63700	TPA	No Change
MS Scrap/Mill Scales(For Ferro Manganese)	4200	TPA	MS Scrap/Mill Scales(For Ferro Manganese)	4200	TPA	No Change
Quartz(For Ferro Silicon)	11704	TPA	Quartz(For Ferro Silicon)	11704	TPA	No Change
Dolomite(For Silico Manganese)	3600	TPA	Dolomite(For Silico Manganese)	3600	TPA	No Change
MS Scrap(For Ferro Silicon)	270	TPA	MS Scrap(For Ferro Silicon)	270	TPA	No Change
Chrome Ore(For Ferro Chrome)	32000	TPA	Chrome Ore(For Ferro Chrome)	32000	TPA	No Change
Electrode Paste(For Ferro Chrome)	480	TPA	Electrode Paste(For Ferro Chrome)	480	TPA	No Change
Electrode paste(For Ferro Manganese)	364	TPA	Electrode paste(For Ferro Manganese)	364	TPA	No Change

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
Manganese Ore(For Silico Manganese)	26080	TPA	Manganese Ore(For Silico Manganese)	26080	TPA	No Change

2.1. Approval for additional water consumption if applicable	No

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
Industrial	2	2	Waste water generated from Ferro Alloys Plant will be treated in ETP and used for greenbelt development
Domestic	8	8	Sanitary waste water will be treated in STP and after treatment it will be utilized for greenbelt development

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:-2100mg/l, Oil and grease:-10mg/l	0	pH:- 6.5-8.5,TSS:- 100 mg/l, TDS:-2100mg/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
10	0	10	0	There will be no additional Effluent generation with Proposed NIPL

3.4. Details of effluent management

3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed?	No
7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed?	No
7.4.3. Whether any additional Effluent Treatment Facilities Provided?	No
7.4.4. Whether is there any proposal for up-gradation of ETP?	No
7.4.5. Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility?	No
7.4.6. 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 Managment.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
PM from Submerged Electric Arc Furnaces	30	1.44	Kg Per Day	1.44	Kg Per Day	1.44	Kg Per Day	1.44	Kg Per Day
NOx Submerged Electric Arc Furnaces	30	9.72	Kg Per Day	9.72	Kg Per Day	9.72	Kg Per Day	9.72	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 Day	0	Kg Per Day	0	Kg Per 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
Submerged Electric Arc Furnaces	30	4th Hole Fume Extraction system with PTFE bag filters	PM	1.44	Kg Per Day	1.44	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
1.44	Kg Per Day	30	Miligram per Normal cubic meter (mg/Nm3)	1.44	Kg Per Day	30	Miligram per Normal cubic meter (mg/Nm3)	No Change

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	No

existing APCM? (with the time-bound program)	
3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program)	No

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 SiMn	Non-Hazardous	14252	Tons per Annum (TPA)	14252	Tons per Annum (TPA)	SEAF	Covered Shed	will be used for Road construction / will be given to slag cement manufacturing
Slag from FeSi	Non-Hazardous	1854	Tons per Annum (TPA)	1854	Tons per Annum (TPA)	SEAF	Covered Shed	Will be given to Cast iron foundries
Slag from FeMn	Non-Hazardous	16929	Tons per Annum (TPA)	16929	Tons per Annum (TPA)	SEAF	Covered Shed	Will be reused in manufacture of SiMn as it contains high SiO2 and Silicon.
Slag from FeCr	Non-Hazardous	9293	Tons per Annum (TPA)	9293	Tons per Annum (TPA)	SEAF	Covered Shed	Will be processed in Jigging plant for Chrome recovery. After Chrome recovery, the left-over slag will be analyzed for Chrome content through TCLP test, if the Chrome content in the slag is within the permissible limits, then it will be given to Road contractors for road laying. If Chrome content exceeds the permissible limits, it will be sent to nearest TSDF.

1.2.

Details of Waste management

1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	No
1.2.2. Whether Project has Membership of Common Secured Landfill Site?	No
1.2.3. 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. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC	Institution Empaneled By the MoEFCC
2.2. Upload the Certificate of 'No Increase in Pollution' Load.	NIPL Certificate.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	15/11/2023	At present Submerged Arc Furnaces yet to be commissioned. After obtaining NIPL. we will installed the OCEMS	0	0	No	No	No

1.Additional Information

S. No.	Document Name	Remark	Document
1	JD Steels - EC copy	JD Steels - EC copy	JD Steels - EC copy.pdf Preview
2	Kml File	Kml File	JD Steel kml file.kml Preview
3	NIPL Certificate	NIPL Certificate	NIPL Certificate.pdf Preview

S. No.	Document Name	Remark	Document
4	Project Report - JD Steel NIPL	Project Report - JD Steel NIPL	Project Report - JD Steel NIPL.pdf Preview
5	Effluent Managment	Effluent Managment	Effluent Managment.pdf Preview
6	Air Emission Managment	Air Emission Managment	Air Emission Managment.pdf Preview
7	Solid Waste Managment	Solid Waste Managment	Solid Waste Managment.pdf Preview
8	Topo Map	Topo Map	topo.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 hearby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	Shiv Kumar Goel
1.2. Designation	Director
1.3. Company	JD STEEL INDUSTRIES PRIVATE LIMITED
1.4. Address	West end Society, Flat no.102, Vidhya Vihar Colony, Bhilai, Durg District.
1.5. Date	27-11-2023