



सत्यमेव जयते

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



Date: 19/09/2023

ACKNOWLEDGEMENT

This is to acknowledge that JINDAL STEEL & POWER LTD has provided the information on PARIVESH Portal in respect of Expansion of Steel Production from 3.60 MTPA to 4.0 MTPA 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

Application for No Increase in Pollution Load - Form-10

Basic Details

1.		Yes
Whether Project /Activity accorded prior EC?		
1.1.		J-11011/799/2008/IA/II (I)
Proposal No.		
1.2.		Jindal Steel & Power Limited
Name of Project		

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?	Yes

1.3.4. Item No. as per schedule to EIA Notification, 2006 for Minor Activity

1.3.4.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity	3(a) Metallurgical Industries (ferrous and non ferrous)	Integrated Steel Plants		
1.3.4.2. Capacity	3.60	MTPA		
Activity		Sub Activity	Capacity	Unit
3(a) Metallurgical Industries (ferrous and non ferrous)		Integrated Steel Plants	3.60	MTPA
1.3.4.3. 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
6577/TS/CECB/2022 Nava Raipur Atal Nagar, Raipur, Dated 20/12/2022	20/12/2022	31/12/2023	CertiFicate_JSP_CY_2023.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
380/HO/HSMD/CECB/NAVA RAIPUR ATAL NAGAR, RAIPUR	05/01/2021	24/06/2025	HWMCERT 2021-25.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
As per CTO	3600000	TPA	Steel Production	4000000	TPA	EXPANSION OF Steel production capacity from 3.60 MTPA to 4.0 MTPA by increasing capacity of EAF I, II & III along with other plants capacity i.e. DRI (From 1.32 MTPA to 1.50 MTPA), Plate Mill (From 1.0 MTPA to 1.20 MTPA)

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
Ferro Alloy in SMS	90000	TPA	Ferro Alloy in SMS	100000	TPA	SMS
Coal in DRI	1452000	TPA	High quality Coal in DRI	1425000	TPA	Increase in production capacity from 1.32 MTPA to 1.50 MTPA by using high quality of coal with reduced quantity
Lime and Dolime in SMS	468000	TPA	Lime and Dolime in SMS	519995	TPA	SMS
Sponge Iron in SMS	1320000	TPA	Sponge Iron in SMS	1466652	TPA	SMS
Iron Ore/ Pellet in DRI	2112000	TPA	Iron Ore/ Pellet in DRI	2100000	TPA	Increase in production capacity from 1.32 MTPA to 1.5 MTPA by using more pellets and high grade iron ore with reduced raw material quantity
Bloom/beam/blank/Slab in Plate Mill	1058000	TPA	Bloom/beam/blank/Slab in Plate Mill	1270000	TPA	Increase in speed and specific weight to increase the overall tonnage of production from Plate Mill
Scrap in SMS	762250	TPA	Scrap in SMS	846936	TPA	SMS
Hot Metal in SMS	2103750	TPA	Hot Metal in SMS	2337477	TPA	SMS

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

3.1. Quantity

Propose	Quantity of existing effluent generation 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
Cooling	432	432	No change in Plate Mill effluent generation and overall ZLD maintained by Reuse/ Recycle
Industrial	1390	1390	No change in SMS effluent generation and overall ZLD maintained by Reuse/ Recycle
Cooling	960	960	No change in DRI effluent generation and overall ZLD maintained by Reuse/ Recycle

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
As per norms	0	As per norms	0	Maintained ZLD as per CTO condition

3.3. Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatment 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
0	0	0	0	JSPL adopts recycle and reuse policy for its water conservation to maintain ZLD. Hence there is no additional load in the environment.

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?	Yes
7.4.2.1. Brief report on details of Reduction / Recycle /	Water Management.pdf Preview

Reuse of effluent	
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	Water 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
SMS II (B) EAF	50	50	Miligram per Normal cubic meter (mg/Nm ³)	513	Tons per Annum (TPA)	30	Miligram per Normal cubic meter (mg/Nm ³)	342	Tons per Annum (TPA)
DRI	45	50	Miligram per Normal cubic meter (mg/Nm ³)	299	Tons per Annum (TPA)	50	Miligram per Normal cubic meter (mg/Nm ³)	290	Tons per Annum (TPA)
SMS I EAF	50	50	Miligram per Normal cubic meter (mg/Nm ³)	427	Tons per Annum (TPA)	30	Miligram per Normal cubic meter (mg/Nm ³)	304	Tons per Annum (TPA)
Plate Mill	67	50	Miligram per Normal cubic meter (mg/Nm ³)	51	Tons per Annum (TPA)	30	Miligram per Normal cubic meter (mg/Nm ³)	31	Tons per Annum (TPA)
SMS II (A) EAF	50	50	Miligram per Normal cubic meter (mg/Nm ³)	513	Tons per Annum (TPA)	30	Miligram per Normal cubic meter (mg/Nm ³)	342	Tons per Annum (TPA)

(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
Material handling	30	50	Miligram per Normal cubic meter (mg/Nm ³)	89	Tons per Annum (TPA)	50	Miligram per Normal cubic meter (mg/Nm ³)	89	Tons per Annum (TPA)

(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
NA	0	50		1605	Tons per Annum (TPA)	30	Miligram per Normal cubic meter (mg/Nm ³)	1115	Tons per Annum (TPA)

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
Plate Mill	67	Cyclone	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm ³)	30	Miligram per Normal cubic meter (mg/Nm ³)
DRI WHRB	45	Electrostatic Precipitators	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm ³)	50	Miligram per Normal cubic meter (mg/Nm ³)
SMS I, II (A) and II (B)	50	Bag Filters	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm ³)	30	Miligram per Normal cubic meter (mg/Nm ³)

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
50	Miligram per Normal cubic meter (mg/Nm ³)	50	Miligram per Normal cubic meter (mg/Nm ³)	30	Miligram per Normal cubic meter (mg/Nm ³)	30	Miligram per Normal cubic meter (mg/Nm ³)	Overall emission will be reduced from 50 mg/Nm ³ to 30 mg/Nm ³ by making necessary changes in quality of bags from normal polyester bags to coated moisture rippelent needle felt high GSM polyester bags
50	Miligram per Normal cubic meter (mg/Nm ³)	50	Miligram per Normal cubic meter (mg/Nm ³)	50	Miligram per Normal cubic meter (mg/Nm ³)	50	Miligram per Normal cubic meter (mg/Nm ³)	Emission reduction will be achieved by reducing the gas volume due to decrease in quantity (due to high grade coal) and its conditioning by improving the Amp. and Voltage across the ESP for overall reduction in annual dust emission load.

3.Details of emission management

<p>3.1.</p> <p>Whether there is any Proposal for switching over to cleaner fuel?</p>	No
<p>3.2.</p> <p>Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)</p>	Yes
<p>3.2.1.</p> <p>Brief description on Proposal for up-gradation of existing APCM, if any (with time bound program)</p>	Emission reduction.pdf Preview

3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program)	No
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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
Decanted tar sludge and tar storage tank residue	33.4, 33.5	7300	Tons per Annum (TPA)	7300	Tons per Annum (TPA)	Process	Tar storage tank	Sale to authorized recycler
Empty barrel/ container	33.1	400	Others	400	Others	HW storage drums	Identified storage yard	Sale to registered recycler
Cotton rags	33.2	6	Tons per Annum (TPA)	6	Tons per Annum (TPA)	Cleaning during lubrication	Separate bins	Burnt into kiln/ furnace
Used Oil	5.1	300	Tons per Annum (TPA)	300	Tons per Annum (TPA)	Process	Identified storage yard	Sale to authorized recycler
Waste or residue containing oil	5.2	500	Tons per Annum (TPA)	500	Tons per Annum (TPA)	Process	Identified storage yard	Sale to authorized recycler

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	No

waste incineration facility	
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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	Authorized Environmental Auditors
2.2. Upload the Certificate of 'No Increase in Pollution' Load.	Certificate_NIPL.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	Particulate matter	15/06/2015	Done regularly/ in-built	0	0	Yes	30/06/2015	30/06/2015

1. Additional Information

S. No.	Document Name	Remark	Document
1	Current CTO	CTO	CertiFicate_JSP_CY_2023.pdf Preview
2	Environmental Clearance	EC 2016	Amendment_EC_Raigarh_29.04.2016.pdf Preview
3	Certificate from auditor	Certificate	Certificate_NIPL.pdf Preview
4	NIPL Report	NIPL	JSPL NIPL report.pdf Preview
5	NABET Certificate	Certificate	Certificate of auditor.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	Bhawani Shankar Guru
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1.2. Designation	AGM
1.3. Company	JINDAL STEEL & POWER LTD
1.4. Address	Jindal Steel & Power Limited Post Box No. 16, Kharsia Road
1.5. Date	19-09-2023

