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File No: IA-J-11011/110/2025-IA-II(Ind-I)

State Environment Impact Assessment Authority (SEIAA), Haryana

(Constituted as per the provision of EIA Notification, 2006, as amended by the Ministry of Environment, Forest and Climate Change, Government of India)

Date **26/05/2026**

To,

M/s Jindal Stainless limited.
O.P. Jindal Marg, Hisar, HARYANA, 125005
rajeshadv@jindalstainless.com

Subject: **EC for Proposed Expansion by Augmentation of Capacity for Ingot, Bloom/Billet and Slab in Steel Melting Shop. Installation of ESR and forging facilities at Jindal Stainless Limited [Hot Rolling Division], O P Jindal Marg, Hisar, Haryana – 125 005.**

Sir/Madam,

This has reference to your Proposal No. SIA/HR/IND1/522676/2025 dated 05.02.2025 and subsequent letter dated 11.02.2026 & 17.04.2026 for obtaining Environment Clearance for Expansion under **Category 3(a)** of EIA Notification dated 14.09.2006. The PP submitted the scrutiny fee of Rs.2,00,000/- vide DD No. 182248 dated 07.01.2025, in compliance with Haryana Government, Environment & Climate Change Department Notification No. DE&CCH/3060 dated 14.10.2021. The proposal has been appraised as per the prescribed procedure in light of the provisions under the EIA Notification, 2006, based on the mandatory documents enclosed with the application, viz., Form-1, Pre-feasibility Report, EIA/EMP report on the basis of approved TOR and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MoEF&CC, GoI vide Notification No. S.O. 5981(E) dated 24.12.2025, in its 313th & 320th meeting held on 11.02.2025 & 17.04.2026.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B1011HR5149481N
(ii) File No.	IA-J-11011/110/2025-IA-II(Ind-I)
(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	Proposed Expansion by Augmentation of Capacity for Ingot, Bloom/Billet and Slab in Steel Melting Shop. Installation of ESR and forging facilities at Jindal Stainless Limited [Hot Rolling Division], O P Jindal Marg, Hisar, Haryana – 125 005
(viii) Name of Company/Organization	Jindal Stainless limited
(ix) Location of Project (District, State)	HISAR, HARYANA
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. It is inter-alia, noted that the project involves in the Environmental Clearance for Proposed Expansion by Augmentation of Capacity for Ingot, Bloom/Billet and Slab in Steel Melting Shop. Installation of ESR and forging facilities at Jindal Stainless Limited [Hot Rolling Division], O P Jindal Marg, Hisar, Haryana.

4. The basic details of project are as under:

S. No	Particulars	Existing	Additional due to Expansion	Post Expansion	Unit
1.	Proposal No.	**SIA/HR/IND1/522676/2025**			
2.	Latitude	**29°07’30.47” N**			
3.	Longitude	**75°46’34.12” E**			
4.	Plot Area	6,30,000 [63 Ha]	No Change	6,30,000 [63 Ha]	sqm
5.	Green Area	Total Green Area: 2,34,313 [57.9 acre]~ 37.2% Within Plant 43,730.36sqm [10.8 acre] Outside the Plant: 19058.65sqm [47.09acre	No Change	Total Green Area: 2,34,313 [57.9 acre]~ 37.2% Within Plant 43,730.36sqm [10.8 acre] Outside the plant:190582.65sqm [47.09acre	sqm
6.	Rain water	Two Rain water collection tanks of 47066 cum and 14304 cum capacity	No Change	Two Rain water collection tanks of 47066 cum and 14304 cum capacity	cum
7.	Major Raw Material i) MS & SS scrap ii) Internal	500,000 65000	200,000 26000	700,000 91000	TPA TPA

	Revert				
8.	Boiler [LSHS fired]	20	No Change	20	TPH
9.	**Furnaces -**				T [Metric ton]
	Induction Furnace	2 @ 45 T	2 @ 45 T	4@45 T	
	EAF	2 @ 50 T	Nil	2 @ 50 T	
	AOD	2 @ 50 T	1 @ 50 T	3@50 T	
	LRF	2 @ 50 T	2 @ 50 T	4@50 T	
	ESR	Nil	2@20 T	2@20 T	
	Forging Press and Heating treatment Furnace	Nil	3@80 T & 1@20 T	3@80 T & 1@20 T	
	Raw Material Testing Induction	1@5 T	1@3T	1@5 T & 1@ 3T	
10.	Power Demand	100	50	150	MVA
11.	Generator backup	40	Nil	40	MVA
12.	Fresh Water demand [Industrial & domestic]	4500	800	5300	KLD
13.	Recycled treated water from onsite STP & ETP	900	200	1100	KLD
14.	Total water demand including recycled water from onsite STP and ETP	5400	1000	6400	KLD
15.	Wastewater [domestic& industrial] entering STP & ETP	1430	300	1730	KLD
16.	ETP capacity	6000	0	6000	KLD
17.	STP Capacity	1500	0	1500	KLD
18.	Solid wastes including colony and CRD unit	250	5	255	TPA

19.	Biomedical wastes	0.29	0.06	0.35	TPA
20.	Manpower	3387 [direct 1138 +Contractual - 2249]	350 [direct 150 +Contractual - 200]	3737 [direct 1288 + Contractual -2449]	Nos.
21.	Project Cost [INR]	1726.46	573	2299.46	Crore
22.	Incremental Load in respect of stack emission				
	(i) PM10	2.44	0.25	2.69	µg/m3
	(ii) PM 2.5	1.33	0.28	1.61	µg/m3
	(iii) SO2	3.6	3.41	7.01	µg/m3
	(Iv) NO2	12.8	4.4	17.2	µg/m3

Proposed Production capacity

S. No.	Unit Name	Existing Capacity (TPA)as per Previous EC	Proposed Expansion (TPA)	Total After Expansion Capacity (T PA)
1	**Ingot,Bloom/ Billet and Slabin Steel Melting Shop**	**800,000**	**320000**	**11,20,000**
2	**Steckel Mill**	**720,0000**	**-**	**720,0000**
3	**Strip Mill**	**250,000**	**-**	**250,000**
4	**ESR [Electro Slag Remelting]**	**0**	**6000**	**6000**
5	**Forging Press & HeatingTreatme nt Furnace**	**0**	**24000**	**24000**
6	**Oxygen Plant**	**78,000**	**-**	**78,000**
7	**Argon Plant**	**2700**	**-**	**2700**
8	**Cu, Ni Melting Shop**	**6200**	**-**	**6200**
3	**Strip Mill**	**250,000**	**-**	**250,000**
4	**ESR [Electro Slag Remelting]**	**0**	**6000**	**6000**

EMP BUDGET

Measures for mitigating the impacts	Existing CAPEX [INR] *	OPEX [INR]	Proposed Additional CAPEX [INR]	Proposed additional OPEX [INR]
Air pollution control–Air pollution control devices, stacks, fume extraction system, water Sprinkling	74,32,82,690	14,73,83,420	507800000	30950518
Water pollution control-ETP,STP, ZLD system	543,31,639	120,00,055	92300000	2520012
Storm water drainage and rainwater storage	454,47,680	43,20,000	13000000	907200
Solid wastes management–Non-hazardous, hazardous and municipal solid wastes	19,80,794	16,13,094	1000000	338750
Green area development	51,50,780	21,84,000	...	458640
Environmental monitoring	----	400,000	1500000	84000
Environment Management Cell	43,10,000	593,000	1000000	124530
Occupational Health Dept	26,60,000	4,20,000	600000	88200
Safety & Risk Mitigation Measures	43,39,016	81,50,110	1500000	1711523
Energy Conservation Measures	9,99,00,000	-	25000000	1000000
Total	9614,02,599	1770,63,679	643700000	38183373

CER activity

SN	Location	Proposed Expenditure [lakh INR]

01	To Adopt village Kaimri, District Hisar for the development of Green and Healthy Environment to the Residents of the Villagers of village Kaimri, District Hisar	136.50 Lakhs
02	To Adopt village Aryanagar, Tehsil & District Hisar for development works, plantation, E-Library in community centre and disposal of waste water.	150 Lakhs
Total		**286.50**

5. In view of the recommendations made by the State Expert Appraisal Committee (SEAC) in the said case, and after further consideration of the documents/details submitted by the Project Proponent, the Authority, after due deliberations, decided during the 200th meeting of SEIAA held on 14.05.2026 to "GRANT ENVIRONMENTAL CLEARANCE" to **M/s Jindal Stainless Limited (Hot Rolling Division) as per Transfer of EC Letter dated 31.01.2025 issued** by SEIAA, Haryana, under the provisions of the EIA Notification dated 14.09.2006 issued by the Ministry of Environment, Forest and Climate Change, Government of India.

Copy To

N/A

Annexure 1

Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

1. Recommendation:

S. No	EC Conditions
1.1	**Specific Conditions** The PP shall develop total 2,34,313 [57.9 acre]~37.2% as Green Area (within Plant 43,730.36 sqm [10.8 acre] outside the plant 190582.65 sqm).
1.2	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
1.3	The PP shall provide Two Rain water collection tanks of 47066 cum and 14304 cum capacity at the project site.
1.4	No ground water will be extracted.
1.5	The project proponent shall maintain ETP and STP and their treated water will be reused and shall maintain the ZLD status.
1.6	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, and other applications. The project proponent shall install a waste recycling facility to recover metal for recycle to SMS.

S. No	EC Conditions
1.7	The Oilscum and oily waste from plant shall be sent to registered recyclers.
1.8	All internal roads and connecting roads from project site to O. P. Jindal Marg shall be developed and maintained with suitable Indian Standards as per the traffic load due to existing and proposed project.
1.9	To Control fugitive dust emission fog/mist sprinklers will be installed in slag processing and metal recovery plant area.
1.10	Tyre washing facilities shall be maintained at the exit and entrance gates of plant for the vehicle loaded with material.
1.11	Performance test shall be conducted on all pollution control systems every year.
1.12	Particulate matter emission from stacks shall be less than 150 mg/Nm3
1.13	Hazardous waste generated i.e. Empty Barrel/Containers contaminated with Chemicals, Used Oil shall be sent to registered recyclers and the Oil soaked clothes/residues shall be sent to TSDF and Acid Recovery Plant shall be provided.
1.14	The progress made in CER/EMP Budget expenditure shall be submitted along with six monthly compliance report to the IRO, MoEF&CC and also be uploaded on the company web site.
1.15	Induction furnace should be provided with fume extraction and dedicated pollution control system and adequate stack height. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Adequate dust extraction system to be provided with reheating furnaces of rolling mills.
1.16	The gaseous emission from various processes should conform to the load/ mass based standards as prescribed by the Ministry of Environment & forest and the Central/State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
1.17	Particulate matter emission from stacks shall be as per the stipulated guidelines of SPCB.
1.18	Water meter to be installed at every inlet point of fresh water uptake and also at circulation point and regular record to be maintained.
1.19	A resource efficiency group shall be created to set annual targets for resource conservation and annual reports shall be furnished to RO.
1.20	All internal roads should be concreted/paved. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should confirm to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises. Solar lighting should be used as far as practicable complying with HAREDA norms, if applicable.
1.21	Vehicles carrying a raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.

S. No	EC Conditions
1.22	Regular Sweeping of Road shall be practiced with vacuum sweeping machine or water sprinkling to minimize dust.
1.23	Adequate measures to be adopted for control of fugitive emissions. Regular water sprinkling should be done to control the fugitive emissions. Bag filter of adequate capacity to be provided to the raw material handling section.
1.24	Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational health surveillance of workers shall be done on a regular basis and record maintained as per factories act.
1.25	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
1.26	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan (DMP) shall be implemented.
1.27	The project proponent shall carry out heat stress analysis for the workman who work in high temperature work zone and provide personal protection equipment as per the norms of the factory act.
1.28	**Standard** **3(a) Metallurgical Industries (ferrous and non ferrous)** **Statutory compliance** 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.
1.29	**Air Quality Monitoring and Preservation** 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.)
1.30	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.
1.31	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.

S. No	EC Conditions
1.32	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
1.33	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
1.34	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
1.35	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
1.36	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.
1.37	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
1.38	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
1.39	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
1.40	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
1.41	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
1.42	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
1.43	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
1.44	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
1.45	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
1.46	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist

S. No	EC Conditions
	Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
1.47	**Air Quality Monitoring and Preservation in case of Ferro Alloy Plants** Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
1.48	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
1.49	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
1.50	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m3 for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
1.51	No Ferro-chrome production shall be carried out without prior Environmental clearance from MOEF&CC.
1.52	**Air Quality Monitoring and Preservation in case of Aluminium Smelter / Aluminium Refinery** Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.
1.53	Practice use of low-sulphur tars for baking anodes
1.54	Adopt dry scrubbing combined with incineration in order to control emissions of tar and volatile organic compounds (VOCs). The waste heat shall be recovered from the flue gases of incinerator.
1.55	Make efforts to increase the life of pot lining through better construction and operating techniques.
1.56	Recycle alumina dust collected in ESPs installed in calciner.
1.57	Design the pot roofs with louvers and roof ventilators
1.58	**Air Quality Monitoring and Preservation in case of DI Pipe** Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm3. f. ETP with recycling facility shall be included.
1.59	**Air Quality Monitoring and Preservation in case of BOF** Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
1.60	**Water Quality Monitoring and Preservation** The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and

S. No	EC Conditions
	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.The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 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.
1.61	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
1.62	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
1.63	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.
1.64	Tyre washing facilities shall be provided at the entrance of the plant gates.
1.65	Water meters shall be provided at the inlet to all unit processes in the steel plants.
1.66	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.
1.67	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
1.68	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
1.69	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
1.70	**Water Quality Monitoring and Preservation in case of Rolling Mills** The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time. (in case of rolling mills)
1.71	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF. (in case of cold rolling mills)
1.72	**Water Quality Monitoring and Preservation in case of Alluminium Shelter** Reduce water consumption in bauxite beneficiation and alumina refinery by concentrating the solids

S. No	EC Conditions
	in the tailings.
1.73	**Noise Monitoring and Prevention** Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
1.74	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.
1.75	**Energy Conservation Measures** Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
1.76	Restrict Gas flaring to < 1%.
1.77	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
1.78	Provide LED lights in their offices and residential areas.
1.79	**Energy Conservation Measures in case of Reheating Furnace** Ensure installation of regenerative/recuperative type burners on all reheating furnaces.
1.80	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
1.81	Practice hot charging of slabs and billets/blooms as far as possible.
1.82	Ensure installation of regenerative type burners on all reheating furnaces
1.83	**Energy Conservation Measures in case of Blast Furnace** Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
1.84	**Energy Conservation Measures in case of DRI Kilns (Sponge Iron)** The project proponent shall provide waste heat recovery system on the DRI Kilns.
1.85	The dolochar generated shall be used for power generation.
1.86	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
1.87	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
1.88	**Waste Management** Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.

S. No	EC Conditions
1.89	Kitchen waste shall be composted or converted to biogas for further use.
1.90	Used refractories shall be recycled as far as possible.
1.91	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.
1.92	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
1.93	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
1.94	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
1.95	**Waste Management in case of Sinter Plant** SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
1.96	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
1.97	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
1.98	**Waste Management in case of Aluminium Smelter/ Aluminium Refinery** A plan for 100 % utilisation of red mud generated shall be implemented. Under the Plan, MOU with shall be signed with potential buyers including cement companies for supply of red mud.
1.99	The red mud generated from the project shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage.
1.100	**Green Belt**

S. No	EC Conditions
	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
1.101	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
1.102	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
1.103	**Public Hearing and Human Health Issues** Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
1.104	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.
1.105	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
1.106	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
1.107	All the commitments made towards socio-econmic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC/SEIAA. PP shall adopt nearby villages and prepare and implement a robust plan to develop them into model villages in next 10 years.
1.108	**Environment Management** The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
1.109	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
1.110	A separate Environmental Cell both at the project and company head quarter level, with qualified

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	personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
1.111	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
1.112	**Miscellaneous** 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.
1.113	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.
1.114	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.
1.115	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.
1.116	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
1.117	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.
1.118	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.
1.119	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.
1.120	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.
1.121	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1.122	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the

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	PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
1.123	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).
1.124	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.
1.125	The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1.126	The Ministry/ SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1.127	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.
1.128	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.