



सत्यमेव जयते

File No: IA-J-11011/185/2013-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 21/07/2023



To,

M/S PRIME STEEL PROCESSORS
VPO- JANDIALI, Budhewal road, Chandigarh road , Jandiali, LUDHIANA, PUNJAB, 141010
primestl14@gmail.com

Subject: Expansion in existing steel manufacturing unit from existing capacity of 1,12,000 TPA (Hot Roll) of Steel Ingots/Billets/Rods and 45,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel to 3,50,000 TPA of Steel Ingots/Billets/Rods (Hot Roll) and 3,40,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel through re-heating by M/s Prime Steel Processors, located at Village- Jandiali, Budhewal road, Tehsil – Kum Kalan, District- Ludhiana, Punjab – Environmental Clearance-regarding

Sir/Madam,

This refers to your proposal no. IA/PB/IND1/421295/2023, dated 20th April, 2023 along with copy of EIA report and Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1010PB5632705E
(ii) File No.	IA-J-11011/185/2013-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1 Expansion in existing steel manufacturing unit from existing capacity of 1,12,000 TPA (Hot Roll) of Steel Ingots/Billets/Rods and 45,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel to 3,50,000 TPA of Steel Ingots/Billets/Rods (Hot Roll) and 3,40,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel through re-heating at Village- Jandiali, Budhewal road, Tehsil
(vii) Name of Project	

	– Kum Kalan, District- Ludhiana, Punjab, by M/s Prime Steel Processors .
(viii) Name of Company/Organization	M/S PRIME STEEL PROCESSORS
(ix) Location of Project (District, State)	LUDHIANA, PUNJAB
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous & non-ferrous) under Category “B” of the schedule of the EIA Notification, 2006 and attracts general condition due to project falls at a distance of 3.89 km from boundary of Critical Polluted Area, Ludhiana Punjab, and therefore being appraised at Central Level.

4. The above-mentioned proposal was considered by the EAC (Industry 1) in its 29th EAC meeting held on 1st May 2023. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in> _

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

Unit configuration and capacity:

-

6. The EAC, in its meeting held on 1st May, 2023, inter-alia, deliberated the following:

1. The instant proposal is for expansion in existing steel manufacturing unit from existing capacity of 1,12,000 TPA (Hot Roll) of Steel Ingots/Billets/Rods and 45,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel to 3,50,000 TPA of Steel Ingots/Billets/Rods (Hot Roll) and 3,40,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel through re-heating.
2. Initially as per TOR, it was proposed to enhance the capacity of unit by replacing existing 3 no. Induction furnaces (2x10 TPH and 1x4.5 TPH) with two no. Induction furnaces of capacity 25 TPH each and one no with 12 TPH Induction Furnace, one LRF of 30TPH capacity, Concast and to enhance the capacity of rolling mill 8TPH to 40TPH. However due to technological reasons it is proposed to install two number of Induction Furnaces of capacity 30 TPH capacity each instead of two number 25 TPH capacity each in order to increase the heating/melting/holding period of molten metal without increase in the production capacity for which the TORs have been issued.
3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken

with utmost precautions and following the safety norms and best practices.

6. The existing project was accorded environmental clearance vide letter no. J-11011/185/2013-IA II(I) dated 14th October, 2015 for expansion of steel manufacturing unit (Induction Furnace from 2x4.5 TPH to 2x10 TPH and Rolling Mill – 1x10 TPH) for production of MS Ingots - 1,12,000 TPA and Wire Rods – 45,000 TPA. The industry has valid CTO's from Punjab Pollution Control Board. CTO under water act vide no. CTOW/RENEWAL/LDH1/2020/12614507 dated 08.06.2020 valid up to 31.03.2024. CTO under Air act vide no. CTOA/RENEWAL/LDH1/2020/12614470 dated 08.06.2020 valid up to 31.03.2024.
7. The total project area is 14.83 acre. The existing project area is 11 acres and while obtaining TORs it was proposed to add additional 1.6 acres of land area to make total project of 12.6 acres. Since, it is an existing unit and in order to have proper spacing for parking of vehicles and greenbelt, the industry has to purchased 2.23 acres of land area adjoining to the industrial premises to make total area of 14.83 acres. With this additional area PP has managed to develop 40% of 14.83 acres of land area as greenbelt/area. The additional 2.23 acres of land area now added has been developed as greenbelt.
8. The project site falls at a distance of 3.89 km from boundary of Critical Polluted Area, Ludhiana Punjab. PP has further submitted the compliance to CEPI guidelines. The EAC deliberated on the same and is of the opinion that the submitted action plan shall be strictly implemented.
9. The total water requirement of the project is estimated at 513 KLD which is proposed to be met through the Ground Water, for which application to PWRDA has already been filled on dated 2nd February, 2023. The EAC is of the opinion that water permission shall be obtained from the Competent Authority prior to commencement of project.
10. The Committee has found that the baseline data and incremental GLC due to the proposed project and is of the view that mitigation measures as proposed shall be strictly implemented.
11. The PP has submitted that greenbelt will be developed in 40% of project area i.e. 5.932 acres. 8224 no. of trees has already been planted conducive to local monitoring in association with renowned NGO 'Eco Sikh' in the mission 'Lungs of Ludhiana' striving to make Ludhiana the greenest city of Asia by adopting 'Miyawaki Forest Methodology'. Additional 2325 trees will be planted in the left-out area. The additional 2.23 acres of land area now added has been developed as greenbelt. The EAC is of the opinion that remaining greenbelt (@2500 saplings/ha) shall be completed within 1st year of grant of EC.
12. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
13. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
14. The Committee deliberated on the certified compliance report of IRO and the action taken report and is of the opinion that the observations of IRO shall be completely addressed.
15. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
16. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. 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. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

7. The EAC, in its 29th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 1st May, 2023, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

8. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert

Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s Prime Steel Processors** under the provisions of EIA Notification, 2006 subject to the specific conditions and general conditions given in Annexure 1.

Table 1: Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No.	Particulars	Details	Proposed Units	Total after expansion
S. No.	Particulars	Existing (As per EC dated 14/10/2015)		
i.	Terms of Reference for undertaking EIA study	08 th June, 2021 27 th January, 2022 (Amendment in Terms of Reference)		
ii.	Period of baseline data collection	January to March, 2020		
iii.	Date of Public Consultation	23 rd March, 2022		
iv.	Action plan to address the PH issues	An amount of Rs. 2.54 Cr has been earmarked to address the issues raised during public hearing. Detail of activities proposed in Table 1.		
v.	Location of the project	Village- Jandiali, Budhewal road, Tehsil – Kum Kalan, District- Ludhiana, Punjab		
vi.	Latitude and Longitude of the project site	Latitude 30°52'58.53"N, 30°53'02.30"N, 30°53'02.33"N, 30°52'54.66"N, 30°52'54.61"N, 30°52'56.52"N Longitude 75°59'34.73"E, 75°59'47.97"E, 75°59'52.61"E, 75°59'51.00"E, 75°59'39.40"E, 75°59'34.65"E		
vii.	Total land	4.9544 ha [existing 4.6268 + additional 0.3276 ha]		
1.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land acquisition is completed		
1.	Existence of habitation & involvement of R&R, if any	As this is brownfield project, the project doesn't involve any displacement of population and subsequent Rehabilitation & Resettlement. For expansion, land measuring 3.83 acres had already been acquired and the employment will be hired from local areas.		
1.	Elevation of the project site	253.6 m above mean sea level		

S. No.	Particulars	Details	Proposed Units	Total after expansion
S. No.	Particulars	Existing (As per EC dated 14/10/2015)		
1.	Involvement of Forest land if any.	No Forest Land is involved.		
1.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	<u>Project site:</u> Nil <u>Study area:</u> Sirhind Canal – 8.7 km, Buddha Nallah – 4.3 km		
1.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil.		
1.	Project cost	The capital cost of the project is Rs. 135 Crores including the cost of expansion (Rs. 90 Crores)		
1.	EMP cost	The capital cost for environmental protection measures is proposed as Rs 416 Lakhs. The annual recurring cost towards the environmental protection measures is proposed as Rs 155.1 Lakhs.		
1.	Employment opportunity	The proposed project will provide employment to total 450 number of people.		
1.	Water and Power requirement	The total water requirement of the project is estimated at 513 KLD. Domestic water requirement is 21.0 KLD and for cooling purposes is 492 KLD. The total power requirement for the proposed project is estimated as 41,000 kVA.		
A EXISTING & PROPOSED CAPACITY				
1	Induction Furnace	2x10 TPH 1x4.5TPH (To be Replaced) Concast	2x30TPH & 1x12TPH & (LRF – 1x30 TPH and conCAST)	& 2x25TPH & 1x12TPH & 1x30 TPH and conCAST)
2	Reheating Furnace (Oil Fired)	On no. of 10TPH	Increase the capacity of Reheating Furnace (1x40 TPH)	1x40TPH
B PRODUCTS				
1	Steel Ingot/Billets (TPA)	1,12,000	2,38,000	3,50,000
2	Rounds, TMT Bars, wire rode, Flats and structural	45,000	2,95,000	3,40,000

S. No.	Particulars	Details		
S. No.	Particulars	Existing (As per EC dated 14/10/2015)	Proposed Units	Total after expansion

steel

Note:

- As per TOR, it was proposed to enhance the capacity of unit by replacing existing 3 no. Induction furnaces (2x10 TPH and 1x4.5 TPH) with two no Induction furnaces of capacity 25 TPH each and one no with 12 TPH Induction Furnace, one LRF of 30TPH capacity, Concast and to enhance the capacity of rolling mill 8TPH to 40TPH. Since, the unit is manufacturing special steel for which the main thrust is the composition of the steel. In order to get required composition of the special steel, the heat time required will be more than the ordinary steel melting and casting through an Induction furnace.
- Therefore, after discussing matter with experts and technology advancement in the Induction furnaces, it has been felt to install two number of Induction Furnaces of capacity 30 TPH capacity each instead of two number 25 TPH capacity each in order to increase the heating/melting/holding period of molten metal without increase in the production capacity for which the TORs have been issued the MoEF. By doing so the power rating will not increase as 12MW power will require for 2x25 TPH Induction Furnaces and same power load will be required for 2x30 TPH. However, due to increase in the batch size, total consumables per heat will reduce to significant extent resulting into reduction in the cost to be incurred for each heat.
- Thus, after expansion, production capacity will be 3,50,000 TPA of Steel Billets/Ingots/Rods (Hot roll) by operating 2x30 TPH & 1x12 TPH Induction Furnace and 3,40,000 TPA of Rounds, TMT Bars, wire rod, Flats and structural steel through re heating with the proposed rolling mill.

Sr. No.	Physical Activity to be done	Timeline	DSS			Budget (Rs in Lakhs)
			1st Year	2nd Year	3rd Year	
1.	Installation of APCD on Two Induction Furnace of 30 TPH One Induction Furnace of 12 TPH	New Bag filter house containing PTFE membrane. Bag filter house containing PTFE membrane.				250.0
2.	Reheating Furnace capacity 40 TPH DG Set of capacity 320 KVA Development of lawn in Government school of Budhewal, Ludhiana.	of Double Cyclone followed by wet scrubber Stack of adequate height middle village Tree plantation District				4.0
TOTAL COST ALLOCATED						254.0

Annexure 1

Specific EC Conditions for (Metallurgical Industries (ferrous and non ferrous))

1. Specific Condition

Sr. No	EC Conditions
1.1	TCLP analysis of the slag samples shall be carried out periodically. In case of presence of hazardous material, the same shall be sent to TSDF. In case of non-hazardous material, slag shall be utilized at project site for brick manufacturing and construction work after the recovery of metal
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, or any direction issued by statutory body, if any, as may be applicable to this project
1.3	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report
1.4	Two online Continuous Ambient Air Quality Monitoring station shall be set up. The location of the CAAQMS shall be decided in consultation with the SPCB
1.5	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
1.6	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG
1.7	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented
1.8	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard
1.9	In pursuance to MoEF&CC OMs dated 31st October, 2019 & 30th December, 2019 issued in compliance of the order of Hon'ble NGT in OA No. 1038/2018 dated 19 th August, 2019, the compliance of all the conditions applicable to CEPI shall be implemented as per the submitted plan
1.10	The water requirement for the project is 513 KLD which is proposed to be met through the Ground Water. Necessary permission shall be obtained from the Competent Authority in this regard. PP shall also explore the possibility of shifting to alternate source of water to reduce dependency on groundwater
1.11	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
1.12	A proper action plan must be implemented to dispose of the electronic waste generated in the industry
1.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers),

Sr. No	EC Conditions
	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
1.14	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or LSHS as a fuel
1.15	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report
1.16	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
1.17	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
1.18	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals
1.19	Three tier Green Belt shall be developed in at least 40% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also emphasize on road side plantation. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC
1.20	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface
1.21	All the commitments made towards socio economic 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 in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC. PP shall adopt nearby villages and prepare and implement a robust plan to develop them into model villages in next 10 years
1.22	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <ul style="list-style-type: none"> • Fog / Mist 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. • Proper covered vehicle shall be used while transport of materials. • Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system
1.23	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed

Sr. No	EC Conditions
1.24	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
1.25	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

2. Specific Conditions

Sr. No	EC Conditions
2.1	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
2.2	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
2.3	The water requirement of 3.5 m ³ /day, shall be obtained from APIIC Growth Center Water Supply. Necessary permission shall be obtained from the Competent Authority in this regard. No ground water abstraction shall be permitted.
2.4	PP shall adopt nearby Village and prepare and implement a robust plan to develop it into model villages in next 10 years
2.5	Vegavati River is at a distance of 3.6 km from the project site in the SSW direction. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
2.6	Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. As committed, 100 additional trees shall be planted in the nearby areas. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
2.7	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest

Sr. No	EC Conditions
	fire station & time required to reach the proposed site shall be prepared and implemented.
2.8	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <ul style="list-style-type: none"> • Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. • Proper covered vehicle shall be used while transport of materials. • Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
2.9	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
2.10	Action plan for Fe-Cr slag management shall be implemented.
2.11	The proposed project shall be designed as "Zero Liquid Discharge" Plant. Septic Tank and soak pit shall be installed and there shall be no discharge of effluent from the plant and domestic wastewater. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
2.12	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC
2.13	Particulate matter emission from exhaust hoods/stacks shall be less than 30 mg/Nm ³
2.14	100% of the slag generated through the process shall be utilised.
2.15	PP shall carry out periodically occupational health survey as per the applicable norms.
2.16	The 4 th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
2.17	The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
2.18	The PP shall install CO sensors at the furnace top level and the monitoring report shall be submitted to the IRO, MoEFCC in this regard.
2.19	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
2.20	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
2.21	Dry gas cleaning systems shall be provided by the project proponent to meet particulate matter emission norms of less than 30mg/Nm ³ for the furnace flue gases.
2.22	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the runoff material.

Sr. No	EC Conditions
2.23	The Piezometric wells shall be established in all directions surrounding the project area to monitor groundwater levels and determine aquifer parameters such as transmissibility, hydraulic conductivity, storage, to sample groundwater for chemical/ heavy metals/ toxic leachates and microbiological analysis.
2.24	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
2.25	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.
2.26	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.
2.27	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, or any direction issued by statutory body, if any, as may be applicable to this project.
2.28	In pursuance to MoEF&CC OMs dated 31st October, 2019 & 30th December, 2019 issued in compliance of the order of Hon'ble NGT in OA No. 1038/2018 dated 19th August, 2019, the compliance of all the conditions applicable to CEPI shall be implemented as per the submitted plan.
2.29	The nearest human settlement from the project site are Yerur (1 km, SE), Tadali (2 km, NE), Sakharwadi (2.13 km, NW), Khutala (5km, E), Kochi (5.69 km, NNW) and Shengaon (5.8 km, SW). Project Proponent shall prepare and implement an action plan for environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include some of these locations in its environmental monitoring programme.
2.30	There is a seasonal storm water drainage passing through NE boundary of the Project which shall be protected from the erosion, side collapsing and without obstructing the course of the drainage channel. There are other water bodies such as ponds, Nallah and river within the study area of 10 km from the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented

Sr. No	EC Conditions
2.31	The water requirement of 5973 KLD, shall be obtained from MIDC after obtaining necessary permission from the Competent Authority.
2.32	As committed, PP shall adopt 5 nos. of villages namely Sakharwahi, Yerur, Sonegaon, Tadali (CT) and Shengaon. PP shall formulate robust village Adoption program consisting of need-based community development activities, to develop them into model villages.
2.33	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted
2.34	The company shall assist nearby university or institution working towards socio-economic development programs for the upliftment of tribals of the area.
2.35	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or Mixed BF/CO gas/Producer gas
2.36	All the observations stated in the certified compliance report of IRO shall be complied with as committed. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC
2.37	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <ol style="list-style-type: none"> 1. Fog / Mist 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. 2. Proper covered vehicle shall be used while transport of materials. 3. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
2.38	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.
2.39	Three tier Green Belt shall be developed in a atleast 40% of total project area in the monsoons of 2023 as committed with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy alongwith windshield inside the plant premises to act as green barrier for air pollution & noise levels towards Yerur, Tadali, Sakharwadi, Khutala, Kochi and Shengaon villages. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
2.40	Air Cooled condensers shall be used in the captive power plant
2.41	<p>Solid waste utilization</p> <ul style="list-style-type: none"> • 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. • PP shall recycle/reuse solid waste generated in the plant as far as possible.

Sr. No	EC Conditions
	<ul style="list-style-type: none"> Used refractories shall be recycled as far as possible.
2.42	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant
2.43	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.
2.44	Blast Furnaces shall be equipped with Top Recovery Turbine (capacity more than 450 m ³), dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
2.45	Submerged Arc Furnace shall be closed type with 4 th hole extraction system
2.46	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC
2.47	Secondary fume extraction system shall be installed on converters of Steel Melting Shop
2.48	Dust emission from all the stacks shall be less than 30 mg/Nm ³
2.49	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948
2.50	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented
2.51	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. MSW waste shall be treated in digester and recovered gas shall be used in the canteen

3. Specific conditions

Sr. No	EC Conditions
3.1	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

Sr. No	EC Conditions
3.2	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
3.3	The water requirement of 3.5 m ³ /day, shall be obtained from APIIC Growth Center Water Supply. Necessary permission shall be obtained from the Competent Authority in this regard. No ground water abstraction shall be permitted.
3.4	PP shall adopt nearby Village and prepare and implement a robust plan to develop it into model villages in next 10 years
3.5	Vegavati River is at a distance of 3.6 km from the project site in the SSW direction. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
3.6	Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. As committed, 100 additional trees shall be planted in the nearby areas. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
3.7	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented.
3.8	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <ul style="list-style-type: none"> • Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. • Proper covered vehicle shall be used while transport of materials. • Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
3.9	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
3.10	Action plan for Fe-Cr slag management shall be implmented.
3.11	The proposed project shall be designed as "Zero Liquid Discharge" Plant. Septic Tank and soak pit shall be installed and there shall be no discharge of effluent from the plant and domestic wastewater. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
3.12	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC

Sr. No	EC Conditions
3.13	Particulate matter emission from exhaust hoods/stacks shall be less than 30 mg/Nm ³
3.14	100% of the slag generated through the process shall be utilised.
3.15	PP shall carry out periodically occupational health survey as per the applicable norms.
3.16	The 4 th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
3.17	The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
3.18	The PP shall install CO sensors at the furnace top level and the monitoring report shall be submitted to the IRO, MoEFCC in this regard.
3.19	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
3.20	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
3.21	Dry gas cleaning systems shall be provided by the project proponent to meet particulate matter emission norms of less than 30mg/Nm ³ for the furnace flue gases.
3.22	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the runoff material.
3.23	The Piezometric wells shall be established in all directions surrounding the project area to monitor groundwater levels and determine aquifer parameters such as transmissibility, hydraulic conductivity, storage, to sample groundwater for chemical/ heavy metals/ toxic leachates and microbiological analysis.
3.24	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
3.25	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.
3.26	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

Sr. No	EC Conditions
	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.
3.27	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, or any direction issued by statutory body, if any, as may be applicable to this project.
3.28	In pursuance to MoEF&CC OMs dated 31st October, 2019 & 30th December, 2019 issued in compliance of the order of Hon'ble NGT in OA No. 1038/2018 dated 19th August, 2019, the compliance of all the conditions applicable to CEPI shall be implemented as per the submitted plan.
3.29	The nearest human settlement from the project site are Yerur (1 km, SE), Tadali (2 km, NE), Sakharwadi (2.13 km, NW), Khutala (5km, E), Kochi (5.69 km, NNW) and Shengaon (5.8 km, SW). Project Proponent shall prepare and implement an action plan for environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include some of these locations in its environmental monitoring programme.
3.30	There is a seasonal storm water drainage passing through NE boundary of the Project which shall be protected from the erosion, side collapsing and without obstructing the course of the drainage channel. There are other water bodies such as ponds, Nallah and river within the study area of 10 km from the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented
3.31	The water requirement of 5973 KLD, shall be obtained from MIDC after obtaining necessary permission from the Competent Authority.
3.32	As committed, PP shall adopt 5 nos. of villages namely Sakharwahi, Yerur, Sonegaon, Tadali (CT) and Shengaon. PP shall formulate robust village Adoption program consisting of need-based community development activities, to develop them into model villages.
3.33	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted
3.34	The company shall assist nearby university or institution working towards socio-economic development programs for the upliftment of tribals of the area.
3.35	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or Mixed BF/CO gas/Producer gas
3.36	All the observations stated in the certified compliance report of IRO shall be complied with as committed. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC
3.37	Following additional arrangements to control fugitive dust shall be provided: 1. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron

Sr. No	EC Conditions
	<p>Ore, Coal and for Fly Ash and similar solid waste storage areas.</p> <ol style="list-style-type: none"> 2. Proper covered vehicle shall be used while transport of materials. 3. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
3.38	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.
3.39	<p>Three tier Green Belt shall be developed in a atleast 40% of total project area in the monsoons of 2023 as committed with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy alongwith windshield inside the plant premises to act as green barrier for air pollution & noise levels towards Yerur, Tadali, Sakharwadi, Khutala, Kochi and Shengaon villages. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.</p>
3.40	Air Cooled condensers shall be used in the captive power plant
3.41	<p>Solid waste utilization</p> <ul style="list-style-type: none"> • 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. • PP shall recycle/reuse solid waste generated in the plant as far as possible. • Used refractories shall be recycled as far as possible.
3.42	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant
3.43	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.
3.44	Blast Furnaces shall be equipped with Top Recovery Turbine (capacity more than 450 m ³), dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
3.45	Submerged Arc Furnace shall be closed type with 4 th hole extraction system
3.46	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC
3.47	Secondary fume extraction system shall be installed on converters of Steel Melting Shop
3.48	Dust emission from all the stacks shall be less than 30 mg/Nm ³

Sr. No	EC Conditions
3.49	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948
3.50	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented
3.51	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. MSW waste shall be treated in digester and recovered gas shall be used in the canteen

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

1 Energy Conservation measures

Sr. No	EC Conditions
1.1	Restrict Gas flaring to < 1%.
1.2	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
1.3	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;
1.4	Provide LED lights in their offices and residential areas.
1.5	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.

2 Air quality monitoring and preservation

Sr. 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 Nos. Continuous Ambient Air Quality Station (CAAQS) 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.
2.2	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.

Sr. No	EC Conditions
2.3	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.4	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.
2.5	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.6	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.7	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.
2.8	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).
2.10	Land-based APC system shall be installed to control coke pushing emissions.
2.11	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
2.12	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
2.13	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.14	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

3 Environment Management

Sr. No	EC Conditions
3.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.
3.2	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

Sr. No	EC Conditions
	be submitted to the MoEF&CC as a part of six-monthly report.
3.3	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 to the head of the organization.

4 Green Belt

Sr. No	EC Conditions
4.1	Green belt shall be developed in an area equal to 33% of the plant area with native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
4.2	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
4.3	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 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 monitorable with defined time frames.

5 Miscellaneous

Sr. No	EC Conditions
5.1	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.
5.2	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.
5.3	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.
5.4	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.
5.5	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

Sr. No	EC Conditions
	Climate Change at environment clearance portal.
5.6	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.
5.7	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.
5.8	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.
5.9	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).
5.10	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the 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.
5.11	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.
5.12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
5.13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
5.14	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.
5.15	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.

6 Noise monitoring and prevention

Sr. No	EC Conditions
6.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

7 Public hearing and Human health issues

Sr. No	EC Conditions
7.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
7.2	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.
7.3	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

8 Statutory compliance

Sr. No	EC Conditions
8.1	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.

9 Waste management

Sr. No	EC Conditions
9.1	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.
9.2	Kitchen waste shall be composted or converted to biogas for further use.

10 Water quality monitoring and preservation

Sr. No	EC Conditions
10.1	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 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) 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.
10.2	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
10.3	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.

Sr. No	EC Conditions
10.4	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.
10.5	Tyre washing facilities shall be provided at the entrance of the plant gates.
10.6	Water meters shall be provided at the inlet to all unit processes in the steel plants.

Annexure 2

Details of the Project

Sr. No.	Particulars	Details	
a.	Details of the Project	Expansion in existing steel manufacturing unit from existing capacity of 1,12,000 TPA (Hot Roll) of Steel Ingots/Billets/Rods and 45,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel to 3,50,000 TPA of Steel Ingots/Billets/Rods (Hot Roll) and 3,40,000 TPA of Round, TMT Bars, wire rod, Flats and structural steel through re-heating at Village- Jandiali, Budhewal road, Tehsil – Kum Kalan, District- Ludhiana, Punjab, by M/s Prime Steel Processors .	
b.	Latitude and Longitude of the project site	30.88184428549661,75.99293026138577 30.88398372749738,75.99795421693747	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	0
		Forest Land (B)	0
		Total Land (A+B)	0
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost	13500	
g.	EMP Cost	375	
h.	Employment		

Sr. No.	Particulars	Details
	Details	

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Steel Billets/Ingots/Rods (Hot Rolled)	Product	112000	238000	350000	Tons per Annum (TPA)	Road
Rounds, TMT Bars, wire rods, Flats and structural steel (Re-heating)	Product	45000	295000	340000	Tons per Annum (TPA)	Road

Additional EC Conditions

Specific and General conditions are attached herewith.

Copy To

1. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
2. The Addl. Chief Secretary, Department of Forests, Government of Punjab.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
4. The Principal Chief Conservator of Forests (HoFF), Govt. of Punjab, Forest Complex, Sec. 68, Mohali, Punjab.
5. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Bays No.24-25, Sector 31-A, Dakshin Marg, Chandigarh – 160030.
6. The Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
7. The Chairman, Chandigarh Pollution Control Committee, Paryavaran Bhawan, Ground Floor, Sector-19 B, Madhya Marg, Chandigarh.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001.
9. The District Collector, Ludhiana District, Punjab.
10. Guard File/Record File/Monitoring File.
11. MoEFCC website/Parivesh Portal