



File No: IA-J-11011/416/2019-IA-II(IND-I)

Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 08/05/2024



To,

M/s. ELECTROSTEEL CASTINGS LIMITED.
19 Camac Street, Kolkata-700017, West Bengal
Email: subir.ghosh@electrosteel.com

Subject: Expansion and modernization of the Blast Furnace & Ductile Iron Pipe Plant for the ultimate production of 4.25 LTPA Liquid Metal/Pig, 3.6 LTPA Sinter, 4.0 LTPA DI Pipes, 0.288 LTPA DI Accessories, 0.9 LTPA liquid hot metal along with 5.0 MW capacity Power based on Blast Furnace Gas (Boiler), 4000 Sm³/hr Oxygen, 2200 Sm³/hr Nitrogen within the existing premises by M/s Electrosteel Castings Ltd., located at 30, B.T. Road, P.O: Shukhear, Khardah, District – North 24 Parganas, West Bengal –Grant of Environmental Clearance under the provisions EIA Notification, 2006 -regarding.

Sir/Madam,

This refers to your proposal no IA/WB/IND1/455734/2023 dated 6th January, 2024 along with copy of EIA report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further, the PP has uploaded the information on portal on 28.02.2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1001WB5316144N
(ii) File No.	IA-J-11011/416/2019-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),1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1 Proposed expansion & modernization of the Blast Furnace & Ductile Iron Pipe Plant for the ultimate production of 4.25 LTPA Liquid Metal/Pig, 3.6 LTPA Sinter, 4.0 LTPA DI Pipes, 0.288 LTPA DI Accessories, 0.9 LTPA liquid hot metal along with 5.0 MW capacity Power based on Blast Furnace
(vii) Name of Project	

	Gas (Boiler), 4000 Sm ³ /hr Oxygen, 2200 Sm ³ /hr Nitrogen within the existing premises.
(viii) Name of Company/Organization	ELECTROSTEEL CASTINGS LIMITED.
(ix) Location of Project (District, State)	24 PARAGANAS NORTH, WEST BENGAL
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered 3(a) Metallurgical Industries (ferrous & non-ferrous) and 1(d) Thermal Power Plants under Category "A" of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

4. The proposal is considered in the 53rd meeting of the EAC for Industry-I sector held during 12th –14th February, 2024, wherein the Committee, after detailed deliberations, recommended the proposal. 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 given at **Annexure 1**, Unit configuration and capacity are given at **Annexure II**.

6. The EAC, in its meeting held during **12th to 14th February, 2024**, inter-alia, deliberated the following:

i. The instant proposal is for proposed expansion & modernization of the Blast Furnace & Ductile Iron Pipe Plant for the ultimate production of 4.25 LTPA Liquid Metal/Pig Iron, 3.6 LTPA Sinter, 4.0 LTPA DI Pipes, 0.288 LTPA DI Accessories, 0.9 LTPA liquid hot metal along with 5.0 MW capacity Power based on Blast Furnace Gas (Boiler), 4000 Sm³/hr Oxygen, 2200 Sm³/hr Nitrogen within the existing premises.

ii. The plant was implemented after getting NOC from WBPCB as per the prevailing notification (in the year 1994) of MoEF&CC, as per which No Environmental Clearance (EC) was required for this project as the project cost is less than 100 cr. The existing project has been accorded five (5) Consent to Establishes (CTEs) from West Bengal Pollution Control Board (WBPCB), and a EC from SEIAA for Induction furnace of 4.5 TPH (< 5 TPH), the details of which along with the corresponding CTOs are given in the minutes of the meeting.

iii. The PP stated that in 2008, Electrosteel obtained an EC from the SEIAA under item 5(k) to the schedule of EIA Notification, 2006 for iron melting by installing 2 Nos of induction furnaces (4.5 TPH each) as a replacement by dismantling existing two cupola furnaces (16 TPH & 20 TPH). Additionally, in 2008, Electrosteel received CTE for the aforementioned two induction furnaces (4.5 TPH each) by dismantling the two cupola furnaces (16 TPH & 20 TPH), for manufacturing liquid metal for spun pipes. This was followed by a CTO from 01.07.2009 for the operation of one induction furnace with a capacity of 4.5 TPH. Currently, one of the two furnaces covered under the Consent to Establish is operational, while the other is on standby for lining maintenance, etc. The iron melting plant has been operating with valid CTOs since then. Meanwhile, the Ministry vide notification number S.O. 3067 (E) dated 1/12/2009, amended the item 5(k) by omitting them and included the same under item 3(a) to the schedule of the EIA Notification, 2006. As per the said amendment, the threshold capacity for applicability of EC under EIA, 2006 for induction and electric arc furnace, submerged arc furnace, and cupola is more than 30,000 tonnes per annum (TPA) in place of 5 TPH capacity. As the induction furnace installed in 2008 has a capacity of 4.5 TPH (less than 5 TPH), it was considered not applicable for EC as per the EIA notification of 2006. This induction furnace was a replacement for existing cupola furnaces (16 TPH & 20 TPH) and was not intended for expansion. Consequently, no EC compliance report was submitted, comprehensive certified compliance report for the entire complex from WBPCB on conditions prescribed in the CTO has been submitted. The EAC reviewed the situation and concluded that since the induction furnace was not meant for expansion but only for

the replacement of existing cupola furnaces, and considering its capacity of 4.5 TPH, which did not require EC as per the EIA 2006 provisions, the compliance report of the latest CTO from WBPCB is sufficient to assess the project's compliance. The EAC deliberated the CCR Report of CTO issued by the SPCB and found in order.

iv. 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.

v. 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.

vi. 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.

vii. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

viii. The total existing land is 38.3 acres which is in possession by the Company. Proposed project will be set up on the available land within existing plant premises.

ix. There is a rich habitation within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

x. River Hooghly is at distance of about 1.2 km from the project site in West direction. PP has reported that HFL of Hooghly river at Khardah is 5.29 m above MSL whereas Electrosteel Castings Ltd, plant is at a level of around 9.5 m. Thus, the plant level is at a higher level than the HFL of Hooghly river at Khardah Zone. Therefore, there are no chances of flood from river for the plant. Also, Electrosteel Khardah Plant is in existing location for about 70 years & no such flood impact is seen in Plant's history. 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.

xi. The water to the tune of 3100 cu.m/day will be needed for the project after proposed expansion (No additional water requirement for proposed expansion). Local municipality has already been approached for supply of industrial water who has agreed to supply the water in future. Once that source of water is available, usage of ground water will be reduced in phases. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xii. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and is of the opinion that stringent action plan to minimise the level of particulate matter shall be prepared and implemented.

xiii. The PP has submitted that M/s Electrosteel Castings Ltd. has earmarked 10.59 acres (4.3 Hectares) for Green Belt Development within the existing plant premises, which is 27.65% of the total plant area of 38.3 acres (15.5 hectares) of

land. Land area measuring 5.0 acres (2.023 hectares) has been earmarked outside the plant premises for development of greenbelt which is 13% of the total plant area. Total greenbelt area comes to 15.59 acres which is around 40% of the total plant area. Out of this 10.59 acres of land for greenery, within the plant premises, 6.93 acres of land has already been used for greenery development where around 10,133 number of trees have been planted. Remaining 3.66 acres of land will be utilised for greenery development in the plant area where around 3,660 number of trees (@1000 trees per acre) will be planted. Thus, finally total 13,793 number of trees shall come under greenbelt within the plant premises (@1000 trees per acre). The Company is already in the process of enhancing greenery from present level. In addition to that around 5.0 acres (2.023 hectares) of land (13% of total plant area) will be used for greenbelt development purpose outside the plant premises. This 5.0 acres of land is outside the main plant. Private land has already been identified near village Bhatpara Noapara in North 24 Parganas District which is 5.0 km away from the project site. Around 5,000 number of trees (@1000 trees per acre) will be planted in this additional land. Thus, total plantation area will be 15.59 acres (6.309 Hectares). Thus, finally total 18,793 number of trees shall come under greenbelt in the plant premises. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed within a period of 1 year.

xiv. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xv. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvi. The EAC deliberated on the certified compliance report of RO, SPCB and found it satisfactory.

xvii. The PP reported that they received a directive on 20.3.2023 from the West Bengal Pollution Control Board (WBPCB) following their inspection of the Khardah unit on 12.10.2022 to 13.10.2022, prompted by a public complaint lodged on 25/08/2022. WBPCB instructed Electrosteel Castings Ltd to take certain actions based on their findings during the inspection. The PP further stated that WBPCB conducted effluent and stack sampling during the inspection, and the analysis report indicated compliance with the prescribed standards, as mentioned in WBPCB's directive. Electrosteel Castings Ltd complied with all the directives, and a compliance letter was sent to WBPCB on 16.8.23. Subsequently, the plant underwent another inspection by WBPCB on 29.09.2023, and a compliance status was provided by WBPCB on 16.10.23, stating that all directives had been implemented and were ongoing. Therefore, the directives are considered closed, with no outstanding issues.

xviii. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xix. 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.

xx. 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.

xxi. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised

through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

7. The EAC, in its 53rd meeting of Expert Appraisal Committee (Industry-1 Sector) held during 12th–14th February, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the instant proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements.

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 **M/s Electrosteel Castings Ltd** under the provisions of EIA Notification, 2006 subject to **specific conditions and general conditions** at **Annexure III**.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

11. Any appeal against this environmental clearance 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.

12. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

13. This issues with approval of the competent authority.

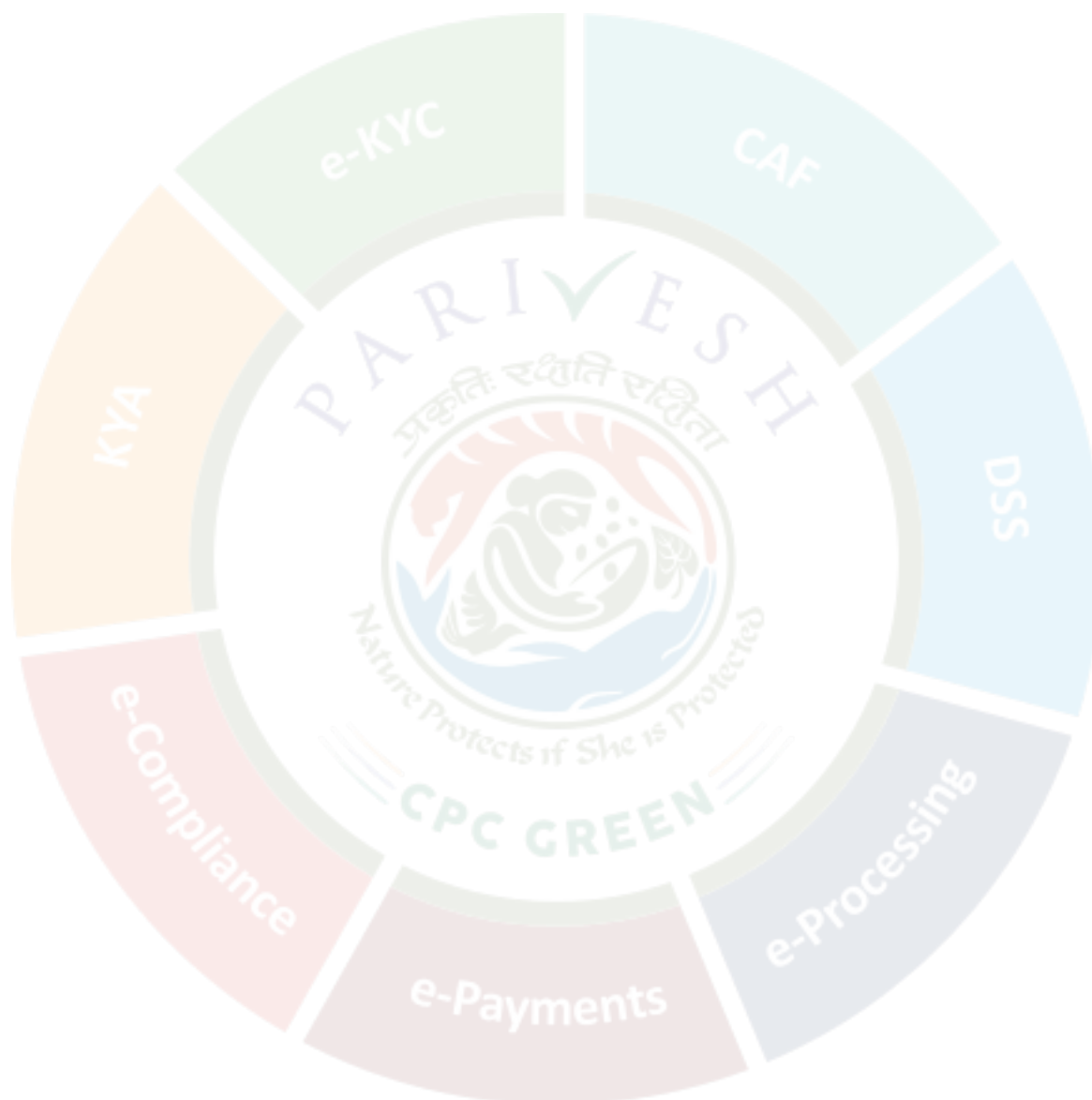
(Dr. R. B. Lal)
Scientist 'F'/ Director
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Copy To

1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests, Government of West Bengal, Block LA, 10A Sector-III, Salt Lake City, Kolkata-700098.
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, IB-198, Sector-II, Salt Lake City, Kolkata – 700106
6. The Member Secretary, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
7. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata – 700 098.

8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi 110001.
9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
10. District Collector, North 24 Parganas, District, West Bengal.
11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal

(Dr. R. B. Lal)
Scientist 'F'/ Director



Details of the proposal are as per the EIA/EMP report

S. No.	Particulars	Details		
a.	Terms of Reference for undertaking EIA study	24.01.2020		
b.	Period of baseline data collection	December, 2022 - February, 2023		
c.	Date of Public Consultation	7th January, 2021		
d.	Action plan to address the PH issues	An amount of Rs. 502 Lakhs has been earmarked for implementation of the commitments made during Public Hearing and need based activities. Detail of activities proposed attached as Annexure IV.		
e.	Location of the project	located at 30, B.T. Road, P.O: Shukhcar, Khardah, District – North 24 Parganas, West Bengal		
f.	Latitude and Longitude of the project site	POINT NO.	LATITUDE	LONGITUDE
		1.	22°42'46.84"N	88°22'30.71"E
		2.	22°42'59.16"N	88°22'27.37"E
		3.	22°43'3.48"N	88°22'37.93"E
		4.	22°43'16.13"N	88°22'40.25"E
		5.	22°42'48.80"N	88°22'46.21"E
g.	Total land	Total Land: 38.3 acre (15.50 Hec).		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Proposed project will be set up on the available land within existing plant premises comprising of total 38.3 acre (15.50 Hec) land. The land is in possession by the Company.		
i.	Existence of habitation & involvement of R&R, if any	The project site is located within Khardah Municipal Area. Study Area:		
		Habitation	Distance in Km	Direction
		Dopere	2.4	ENE
		Patulia (CT)	3.2	NNE
		Dangadhila	3.5	NE
		Ishwaripur	3.7	ENE
		Karana Madhabpur	3.9	E
		Manishpota	4.0	ESE

S. No.	Particulars	Details		
		Bilkanda (CT)	3.7	SE
		Ruiya (CT)	4.1	NNE
j.	Elevation of the project site	Above Mean Sea Level (AMSL): 15 m (49.2 ft)		
k.	Involvement of Forest land if any.	No forest involved		
l.	Water body exists within the project site as well as study area	Project site: No water body exists within the project site		
		Study area : (1) River Hooghly – about 1.2 km. from the project site in West direction		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil		
n.	Project cost	Proposed – INR Rs 330 Crores		
o.	EMP cost	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)
		Proposed	40	2.6
p.	Employment opportunity	300 persons		
q.	Water and Power requirement	(Total)Water -3100 KLD, Power –30 MW		

Unit configuration and capacity

Sl. No.	Unit	Existing Capacity	Additional Capacity	Proposed Final Capacity
1	Liquid Metal / Pig Iron (Blast furnace)	2.84 LTPA	1.41 LTPA	4.25 LTPA
2	Sinter Plant	3.6 LTPA	-	3.6 LTPA
3	DI Pipes	2.73 LTPA	1.27 LTPA	4.0 LTPA
4	DI Accessories	0.238 LTPA	0.05 LTPA	0.288 LTPA
5	Iron Melting	0.3 LTPA (1X4.5 TPH)	0.6 LTPA (2X4.5TPH)	0.9 LTPA (3X4.5 TPH)
6	Captive Power Plant - Blast Furnace Gas based (Boiler)	3.25 MW (20 TPH Boiler)	1.75 MW (10 TPH Boiler)	5.0 MW
7	Oxygen Plant	Nil	4000 Sm ³ /hr.	4000 Sm ³ /hr.
8	Nitrogen Plant	Nil	2200 Sm ³ /hr.	2200 Sm ³ /hr.

Specific and General EC conditions

A. Specific Condition:

- i. 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, if any, as may be applicable to this project.
- ii. 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.
- iii. 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.
- iv. There is a dense habitation within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
- v. River Hooghly is at distance of about 1.2 km from the project site in West 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.
- vi. Total water requirement of 3100 cu.m/day shall be met from Ground water after obtaining necessary permission from the Competent Authority. As committed, PP shall shift to industrial water supply from local municipality once the same is available.
- vii. PP shall implement stringent action plan to minimise the level of particulate matter.
- viii. Three tier Green Belt shall be developed in 40% of the project area including 5.0 acres of land outside the main plant, as committed, all along the project site in a period of one year 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 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 along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- ix. 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 amounting to Rs. 5.02 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

- x. The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
- xi. Pellets shall be procured for using in the Blast furnace for proposed expansion. There shall be no expansion of sinter plant considering the pollution potential and space constraints for green belt development.
- xii. PP shall augment the capacity of existing ETP to meet the requirement of treatment of additional process wastewater.
- xiii. Project proponent shall comply with the following requirements in respect to the operation of the existing unit:
 - a. Mechanise the sludge handling in the ETP by installing filter press.
 - b. Install tertiary treatment in ETP to achieve Zero Liquid discharge.
 - c. Install compact STP and recycle the treated domestic wastewater for process/green belt.
 - d. Install digital pressure drop indicator in the zinc dust filter area with alarm system in event of sudden pressures drop across the bag house.
 - e. Provision for run off control and water spraying system in raw material storage yard shall be provided.
 - f. Green belt developed in the existing unit needs further improvement by planting suitable local species with 15-20 m width and density of 1000 trees per acres all along periphery of the plant and inside the railway siding.
 - g. Project proponent shall install Continuous Emission Monitoring System (CEMS) for the existing process stacks and Continuous Ambient Air Quality Monitoring Station (CAAQMS) to monitor the stack emission and AAQ level.

B. General Conditions

I. Statutory compliance:

- i. 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.
- ii. 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, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 02 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.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and

PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area covering upwind and downwind directions.

- iii. 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.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. 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.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. 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.
- x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. 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.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xvi. 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.
- xvii. 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.
- xviii. Following additional arrangements to control fugitive dust shall be provided:

- a. 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.
 - 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.
- xix. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xx. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m^3 , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxi. 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/Nm^3 .
 - f. ETP with recycling facility shall be included.
- xxii. 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.
- xxiii. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. 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.
- ii. 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.
- iii. 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.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. 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.

- vii. 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.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. 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.
- ii. 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.
- iii. 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.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. 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;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. 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.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 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.
- iv. 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.

- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. 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.
- vii. 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.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.

VII. Green Belt

- i. 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.
- ii. 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.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

- ii. 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.
- iii. 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.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. 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. 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.
- ii. The company shall have a well laid down environmental policy duly approved 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.
- iii. 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 report to the head of the organization.
- iv. 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.

X. Miscellaneous

- i. 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.
- ii. 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.
- iii. 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.
- iv. 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.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
 - vi. 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.
 - vii. 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.
 - viii. 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.
 - ix. 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.
 - x. 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.
 - xi. 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.
 - xii. 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).
 - xiii. 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.
 - xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xvi. 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.
 - xvii. 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.

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

A. Budget Allocated based on Public consultation/Hearing:

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
• Proper/legal use of sand and other raw materials	The Company always procures sand and other raw materials from authorized mine owners.	Physical Nos. & Village/ward		-		-
		Budget in Lacs		-		-
• Ground water depletion	Total water requirement for the project is 3100 KLD (Existing 3100 KLD + Proposed - 3100 KLD (No additional water requirement for proposed expansion)), which will be sourced from Borewells & Khardha Municipality water supply system. Consent letters from municipality are attached. <ul style="list-style-type: none"> Internal usage network along with storage reserv 	Physical Nos. & Village/ward	Shall be complied			-
		Budget in Lacs	Included in the EMP Cost (Rs. 9 Cr.)			-

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
	air will start along with project & will be completed within 2 years.					
<ul style="list-style-type: none"> Development of ancillary units in the surrounding locality 	<p>The company has already encouraged & supported local people for development of ancillary industries in the surroundings locality & will continue to encourage & support those industries & formation of new ancillary industries in local area promoted by local people.</p>	Physical Nos. & Village/ward	Shall be complied.			-
		Budget in Lacs	--			-
<ul style="list-style-type: none"> More manpower deployment is preferred in the proposed project matching with expansion 	The project will generate employment opportunities under skilled, semi-skilled and unskilled categories during both construction & operational phases.	Physical Nos. & Village/ward.	Vocational training to unemployed youth. 8 Nos women & 12 Nos men of Santinagar area	Vocational training to unemployed youth. 8 Nos women & 12 Nos men of Adarshpally area & Sidheswari Para area .	Vocational training to unemployed youth. 8 Nos women & 12 Nos of Kulinpara area.	45

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
<p>percentage</p> <ul style="list-style-type: none"> • Involvement of local people in the expansion project • Deployment of women employees 	<p>Preference will be given to the local people based on their academic qualification and company requirement.</p> <ul style="list-style-type: none"> • The company shall provide vocational training for skill development to the local unemployed youths, including women. 	Budget in Lacs	15	15	15	
<ul style="list-style-type: none"> • Control of air emission • Strict control of the pollution in the nearby areas • Effect of pollution on children, if any and mitigation measures. 	<ul style="list-style-type: none"> • Adequate control measures like installation of ESP, Bag filters, Cyclone separator, Scrubber & Stacks of adequate height at relevant places will be installed. • All roads are paved on which movement of raw 	Physical Nos. & Village/ward	Shall be complied			
		Budget in Lacs	Included in the EMP Cost (Rs.12 Cr.)			

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
	<p>materials or products take place inside the plant premises.</p> <ul style="list-style-type: none"> • Air borne dust is/shall be controlled by mobile water tanker inside the plant premises. • Maintenance of air pollution control equipment is/shall be done regularly. • Will start along with project in phase wise & will complete within three years phase wise. 					
<ul style="list-style-type: none"> • Need of more initiatives to develop greeneries in the surrounding areas. 	<p>Plantation of trees in the nearby areas will be done and distribution of saplings will be done to the local area & school children.</p>	<p>Physical Nos. & Village/ward</p>	<p>250 plantation of trees each at Adarshpally, Santinagar, Sidheswari para & 500 saplings distributio</p>	--	--	9

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
			n each to Satadal high School, Sodepur high school,. Desh Bandhu School, Panihati high school, Sibnath School & Kalachand high school. Total 4000 plantation will be done.			
		Budget in Lacs	6			
<ul style="list-style-type: none"> More involvement of social activities in the nearby areas. 	PP is arranging Social & cultural activities in local area. Those will be continued & increased in coming days.	Physical Nos. & Village/ward	Cultural programme (1) , football tournament (1) & Cricket tournament (1) with sports kit.at Kulinpara	Cultural programme (1) , football tournament (1) & Cricket tournament (1) with sports kit.at Suryasen nagar.	Cultural programme (1) , football tournament (1) & Cricket tournament (1) with sports kit.at Santinagar	6
		Budget in Lacs	2	2	2	
<ul style="list-style-type: none"> Safe disposal of e-waste to the 	Utmost care shall be taken for the disposal of the e-waste to be	Physical Nos. & Village/ward	Shall be complied			

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
authorized vendor.	generated from the proposed project through the authorized Vendor following the existing practice.	Budget in Lacs	Recurring cost yearly approx. 0.2 Lac			
<ul style="list-style-type: none"> Increased vehicular movement in surrounding areas due to the project and arrange to control on the plying of those heavy vehicles in particular. 	<p>All roads are paved on which movement of raw materials or products will take place inside the plant premises.</p> <ul style="list-style-type: none"> Air borne dust is/shall be controlled by mobile water tanker inside/outside the plant premises. <p>Strict enforcement in form of PUC is/shall be made for all the vehicles plying inside/outside the plant premises.</p>	Physical Nos. & Village/ward	One (1) additional tanker will be procured for water sprinkling in nearby areas like Adarshapally, Santinagar, Kulinpara inside roads.			15
		Budget in Lacs	15	--	--	

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
<ul style="list-style-type: none"> Installation of more no of toilets in the tribal area (ward no 21) 	Construction of W/C/Toilet (2) each - 10 numbers in the tribal area (ward no 21) (@ Rs. 3.00 Lacs per set of 2 Toilets). Exact location in ward no 21 will be finalized at the time of commencement of work in consultation with local bodies.	Physical Nos. & Village/ward	3 sets of toilet will be constructed at ward no 21	3 sets of toilet will be constructed at ward no 21	4 sets of toilet will be constructed at ward no 21	30
		Budget in Lacs	9	9	12	
	Other developments in the tribal area (Ward no 21)	Budget in Lacs	5	5	5	15
<ul style="list-style-type: none"> Separate parking place of the vehicles 	Separate parking place will be developed for the additional vehicles. (2 nd year onwards recurring cost will be 50 lacs per annum & will continue)	Physical Nos. & Village/ward No.	--	25 Nos vehicle parking will be developed at outside gate. (Rented land)	25 Nos vehicles parking will be developed at outside gate. (Rented land)	100
		Budget in Lacs		50	50	
<ul style="list-style-type: none"> Deployment of more security personnel in front of main gate for safe entry and 	More security personnel will be appointed in front of main gate for safe entry and exit of employees. All safety concerns are	Physical Nos. & Village/ward No.	Shall be complied			
		Budget in Lacs		-		

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
exit of employees	/shall be in place on top most priority basis. Security personnel are already in place & PP has increased road safety during in/out of employees. Deployed additional personnel for safety.					
• Introduction of water sprinkling on the B.T. Road	Air borne dust shall be controlled by sprinkling of water by mobile water tanker on the B.T. Road. (running cost will continue)	Physical Nos. & Village/ward No.	1 water tanker with pumping system will be procured for water sprinkling on B T Road & Adarshpal ly, Kulinpara	1 water tanker with pumping system will be procured for water sprinkling on B T Road & Santinagar & Suryasennagar.	--	50
		Budget in Lacs	25	25	--	
• Installation of street light	Street Lighting (Solar/LED) will be provided at suitable public places - 60 nos. (@ Rs. 0.50 Lakhs per Unit).	Physical Nos. & Village/ward No.	20 Solar/LED lights will be provided at Santinagar.	20 Solar/LED light will be provided at Kulinpara.	20 Solar/LED lights will be provided at Adarshpal ly.	30
		Budget in Lacs	10	10	10	

Concerns raised during public hearing	Physical activity and action plan	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
			1 st Year	2 nd Year	3 rd Year	
Total Budget - Public Hearing related: Rs. 300 Lacs						

B. Budget Allocated for Social Welfare activities:

Need based Activities	Particulars	YEAR OF IMPLEMENTATION			Total expenditure (Rs. In Lacs)
		1 st Year	2 nd Year	3 rd Year	
Construction of charitable Dispensary (04 nos.) In consultation with local bodies.	Physical Nos. & Village/ward.	1 unit will be done at Santinagar	1 unit will be done at Kulinpara	1 unit will be done at Adarshpally & 1 unit will be done at Sidheswari Para	60
	Budget in Lacs	20	20	20	
Local Pond up gradation, cleaning & maintenance in consultation with local bodies with other local development.	Physical Nos. & Village/ward.	2 ponds will be upgraded along with other local development at Saradapally, Rahara.	2 ponds will be upgraded at Kulinpara & 1 ponds at Santinagar	1 pond will be upgraded at Sidheswari Para & 1 pond will be upgraded Bose para.	24
	Budget in Lacs	14	6	4	
Distribution of Chair/table, Ceiling Fan, Aquaguard water filter etc. to local schools	Physical Nos. & Village/ward.	2 Aquaguards, 10 Fans & 1 lot Chair/table each to Priyanath High School & Satadal high School	2 Aquaguards, 10 Fans & 1 lot Chair/table to Panihati School & Sibnath high School	2 Aquaguards, 10 Fans & 1 lot Chair/table to Desh Bandhu school & Sodepur high School	9
	Budget in Lacs	3	3	3	
Distribution of books and other reading items among the needy students in the area	Physical Nos. & Village/ward.				9
	Budget in Lacs	3	3	3	
Renovation of school buildings, school play grounds and other	Physical Nos. & Village/ward.	Natagarh Swami Bibekananda	Kamalkoli Bidyabhaban, Ramkrishna	Rahara Bhabanath Institution, Kalyan	100

development of the schools in the area		Sebha Samity School, Deshbondhu Bidyapith H. S School, Khardah Priyanath H S School & Khardah Shibnath H S School	Mission Brahamananda College of Education & Ramkrishna Mission Vivekananda Centenary College	Nagar Vidyapith & Bandipur Ideal Academy H S School	
	Budget in Lacs	40	30	30	
Total Budget - Need based activities: Rs. 202 Lacs					
Overall Budget (Public Hearing related + Need based Activities): Rs. 502 Lacs					

