



File No: IA-J-11011/418/2023-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date **04/06/2025**



To,

M/s. STEEL AUTHORITY OF INDIA LTD
ISPAT BHAWAN, LODI ROAD, SOUTH, DELHI, 110003
Email: parivesh_sail@sail.in

Subject: Modernization and expansion of capacity from 2.5 to 7.1 MTPA Crude Steel of Integrated Steel Plant by M/s SAIL-IISCO Steel Plant (ISP), located at Burnpur, West Bengal- EC-Reg

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/WB/IND1/518455/2025 dated 29/01/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A1001WB5393606N
(ii) File No.	IA-J-11011/418/2023-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),4(b) Coke oven plants,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Modernization and expansion of capacity from 2.5 to 7.1 MTPA crude steel of SAIL-IISCO Steel Plant (ISP)
(viii) Name of Company/Organization	STEEL AUTHORITY OF INDIA LTD
(ix) Location of Project (District, State)	PASCHIM BARDHAMAN, WEST BENGAL
(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 and Non-ferrous), 4(b) Coke Oven Plants, and 1(d) Thermal Power Plants under Category "A" of the schedule of the EIA Notification, 2006, and appraised at

Central Level.

4. The proposal was considered in the 74th meeting EAC Industry-I sector held on 10th – 11th February, 2025 and further during 3rd EAC (Industry-1) Meeting of – 8th – 9th May, 2025, wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. 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 at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 74th meeting EAC Industry-I sector held on 10th – 11th February, 2025, inter-alia, deliberated the following:

i. The instant proposal is for Modernization and expansion of Crude Steel Capacity from 2.5 to 7.1 MTPA.

ii. The existing project was accorded environmental clearance vide F. No. J-11011/348/2005-IA II (I) dated 07.08.2007 with subsequent corrigendum dated 22.11.2007, amendment dated 01.06.2011, validity extension dated 14.11.2013 and amendment dated 29.10.2014. Consent to Operate for the existing unit was accorded by West Bengal State Pollution Control Board vide Ir. No. CO131804 dated 30.11.2021. The validity of CTO is up to 31.12.2026.

iii. 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.

iv. 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.

v. 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.

vi. 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.

vii. PP submitted that total land is 1165.58 ha [Govt: 1165.58 ha]. Land is already acquired and converted for industrial use.

viii. Asansol is at a distance of 1 km from the project site along with other sensitive areas exists within the study area of the project site. The EAC opined that 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.

ix. Damodar River is at a distance of 1.22 km in West along with other water bodies within the study area of the project site. The PP also reported that Burnpur area does not fall under the flood hazard zone of Damodar. In this regard, the HFL data of Damodar Bridge from DVC vide letter No. HDD/HFL/DATA/995 dated 07.02.2025 and the NOC from Executive Engineer, Damodar Division, C.W.C Asansol vide letter No. DD/ASN/Met/2025/39 dated 12.02.2025 certifying that in the last 25 years there is no known case of flood in the area of Damodar Railway Bridge site (Burnpur) is submitted. The EAC opined that 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.

x. The existing water requirement is 31,632 m³/day, which is obtained from River Damodar and permission for the same has been obtained from Damodar Valley Corporation (DVC) vide agreement dated 24.09.2014. The water requirement for the proposed project is estimated as 60,096 m³/day, which will be met from the River Damodar. The application for permission for drawl of surface water is submitted to DVC Vide Lr. No. PROJECTS/DVRRRC/2024/1893 Dated. 16.03.2024. PP reported that Damodar river is the source of fresh makeup water required for the proposed expansion project of SAIL-ISP. New pipeline shall be installed from the intake point near Dihika to the new water reservoir to be constructed in Rangapara. The detail engineering plan is submitted and the installation of new pipeline shall be completed in 3 years. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority. Also the pipeline shall be installed as per the submitted plan and timeline.

xi. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and noted that PM_{2.5} and PM₁₀ are reported high. The EAC opined that PP shall prepare and implement a project specific AAQ Management plan to minimise the levels of PM₁₀ and PM_{2.5}.

xii. 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.

xiii. The PP submitted that existing green belt has been developed in 305 ha area which is about 26.17% of the total project area of 1165.58 ha with total sapling of 610,000 Trees. Proposed greenbelt will be developed in 79.64 ha which is about 6.83 % of the total project area. Thus total of 384.64 ha area (33% of total project area) will be developed as greenbelt. Total of 200,000 saplings will be planted and nurtured in 79.64 hectares in 2 years. SAIL-ISP is committed to complete the entire plantation within 2 years of time. The EAC deliberated on the greenbelt layout plan and is of the opinion that greenbelt shall be developed as committed.

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 EAC deliberated on the certified compliance report of IRO dated 21-02-2025 along with the ATR submitted by the project proponent. The EAC made pointwise deliberations on the observations of IRO and it was noted that majority of the partial compliances are documentation-related, few are concerning environmental aspects. The Committee noted that PP has submitted an Action Taken Report (ATR) on 07-02-2025 addressing the observations of the Regional Office, MoEF&CC, and the ATR is under evaluation for the issuance of a closure report. The Committee expressed displeasure that inspite of having submitted the project for expansion, requisite efforts for obtaining closure from IRO are not visible. The EAC, however, considered the status presented in the ATR against the partial compliances along with an undertaking by the PP (through Executive Director, SAIL) duly committing to comply with the observations of IRO and follow-up to obtain closure report. Given the assurance from the IRO, MoEF&CC, for an early resolution and the firm commitment of the PP to comply with all directives, the EAC opined that as committed PP shall abide by the directives of IRO/ MoEF&CC and submit the closure report to MoEF&CC.

xvi. The EAC noted the details presented on the status of the court cases related to the project, and observed that some have been disposed of while others remain ongoing. The Committee maintained a view that the recommendation of EAC or decision of MoEF&CC in respect of any project remain subject to the outcome of the judicial pronouncements on pending legal proceedings.

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

xviii. 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.

xix. 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.

xx. 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.

Recommendations of the Committee (74th meeting EAC held on 10th – 11th February, 2025)

8. In view of the foregoing and after detailed deliberations, the committee recommended the instant proposal subject to submission of CCR closure report from IRO and uploading of written submission on the PARIVESH portal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of following specific conditions and general conditions based on project specific requirements:

9. Based on the ADS submission of PP, and as per the letter dated 23.04.2025 issued by Compliance & Monitoring Division, the proposal was re-considered during the 3rd meeting of EAC (Industry-I sector) held on 8th – 9th May, 2025. The committee deliberations inter alia deliberated the as follows:

Deliberations by the Committee (EAC during 8th – 9th May, 2025)

The Committee noted the following:

i. The EAC noted that the instant proposal was recommended for grant of Environment Clearance during 74th meeting of EAC (Industry-I sector) held on 10th – 11th February, 2025 subject to submission of CCR closure report from IRO.

ii. The EAC took into consideration the letter dated 23.04.2025 issued by the Compliance & Monitoring Division of MOEF&CC stating that “the concerned sector may be approached by the PP to evaluate the need for amendments in the existing ECs or to confirm any instances of non-compliance as noted above, while considering any application for expansion of the project. The same may be recorded in detail along with time bound action plan and assurance for completing the compliance of the partially complied EC conditions, in the minutes of the EAC meeting held on the subject.”

iii. The EAC deliberated in detail on the pointwise compliance status submitted by the project proponent in response to the observations of the Compliance & Monitoring Division of MoEF&CC. The Committee noted that the project proponent has already complied with some of the stipulated conditions and has submitted a time-bound action plan for the remaining two partially complied conditions. After thorough discussion, the EAC found the submitted action plan and the compliance approach to be satisfactory.

Recommendations of the Committee (EAC during 8th – 9th May, 2025):

In view of the foregoing and after detailed deliberations, the committee reiterate its decision and recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of following additional condition in addition to specific conditions and general conditions mentioned in the minutes of meeting of 74th EAC (Industry-1) held on 10th – 11th February, 2025.

· Project proponent to ensure strict adherence to the submitted time-bound action plan for the partially complied conditions and to regularly monitor the progress of implementation. The PP shall submit periodic progress reports to the Regional Office of MoEF&CC, and a final compliance report upon completion of all actions.

10. 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. Steel Authority of India Limited (SAIL) IISCO Steel Plant** under the provisions of EIA Notification, 2006 subject to the specific conditions and general conditions (**Annexure-I**)

11. 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.

12. 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.

13. 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.

14. 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.

15. This issues with approval of the competent authority.

(Dinesh Runiwal)
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 - **with a request to initiate action in line with the provisions of OM dated 14-01-2025**
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, Paschim Bardhaman District, West Bengal.
11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal

Annexure 1

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

1. Specific

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	Asansol is at a distance of 1 km from the project site along with other sensitive areas exists 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.
1.5	Damodar River is at a distance of 1.22 km in West along with other water bodies within the study area of 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.
1.6	The existing water requirement is 31,632 m ³ /day, which is obtained from River Damodar. The water requirement for the proposed project is estimated as 60,096 m ³ /day, which will be met from the River Damodar. PP shall obtain necessary permission from the Competent Authority. Also the pipeline for withdrawing water shall be installed as per the submitted plan and timeline.
1.7	PP shall undertake stringent measures to minimise the levels of PM ₁₀ and PM _{2.5} . PP shall strictly implement a project-specific air quality management plan.
1.8	PP shall abide by the directives of IRO/MoEF&CC based on the observations in certified compliance report.
1.9	Three tier Green Belt shall be developed in atleast 33% of the project area, as committed within a period of 2 years, of adequate width and tree density shall not be less than 2500 per ha. Survival rate

S. No	EC Conditions
	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.
1.10	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area, as the case may be, as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.11	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. 153.52 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.12	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with the State Administration.
1.13	CO sensors with alarm must be installed at strategic locations in the Plant.
1.14	The health of the soil in the vicinity of the Plant (within a radius of 5 K.M.) must be monitored periodically (once in a year) and reported to the IRO.
1.15	Necessary coordination shall be made with concerned SPCB (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE

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

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
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, if any, as may be applicable to this project.

2. Air Quality Monitoring And Preservation

S. 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 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	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.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	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.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	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.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), 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

S. No	EC Conditions
	and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	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.
2.16	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.
2.17	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.
2.18	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke
2.19	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). Land-based APC system shall be installed to control coke pushing emissions.
2.20	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
2.21	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.
2.22	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
2.23	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.
2.24	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.
2.25	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
2.26	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.

S. No	EC Conditions
2.27	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	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.
3.2	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.
3.3	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.
3.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
3.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
3.6	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.
3.7	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.
3.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

4. Water Quality Monitoring And Preservation In Case Of Rolling Mills

S. No	EC Conditions
4.1	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
4.2	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF.

S. No	EC Conditions
4.3	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
4.4	Treated water from ETP of COBP shall not be used for coke quenching.
4.5	Air Cooled condensers shall be used in the captive power plant.
4.6	Tailing management plan shall be implemented as included in EIA report.
4.7	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	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.
5.3	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.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
6.2	Restrict Gas flaring to < 1%.
6.3	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;
6.4	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Reheating Furnace

S. No	EC Conditions
7.1	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.

S. No	EC Conditions
7.2	Practice hot charging of slabs and billets/blooms as far as possible.
7.3	Ensure installation of regenerative type burners on all reheating furnaces

8. Energy Conservation Measures In Case Of Blast Furnace

S. No	EC Conditions
8.1	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.
8.2	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.

9. Waste Management

S. No	EC Conditions
9.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
9.2	Kitchen waste shall be composted or converted to biogas for further use.
9.3	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.
9.4	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.
9.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
9.6	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.

10. Waste Management In Case Of Sinter Plant

S. No	EC Conditions
10.1	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.
10.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
10.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
10.4	In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
10.5	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).

11. Green Belt

S. No	EC Conditions
11.1	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.
11.2	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.
11.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

12. Public Hearing And Human Health Issues

S. No	EC Conditions
12.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
12.2	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.
12.3	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.

S. No	EC Conditions
12.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

13. Environment Management

S. No	EC Conditions
13.1	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. 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.
13.2	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 be submitted to the MoEF&CC as a part of six-monthly report.
13.3	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.
13.4	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.

14. Miscellaneous

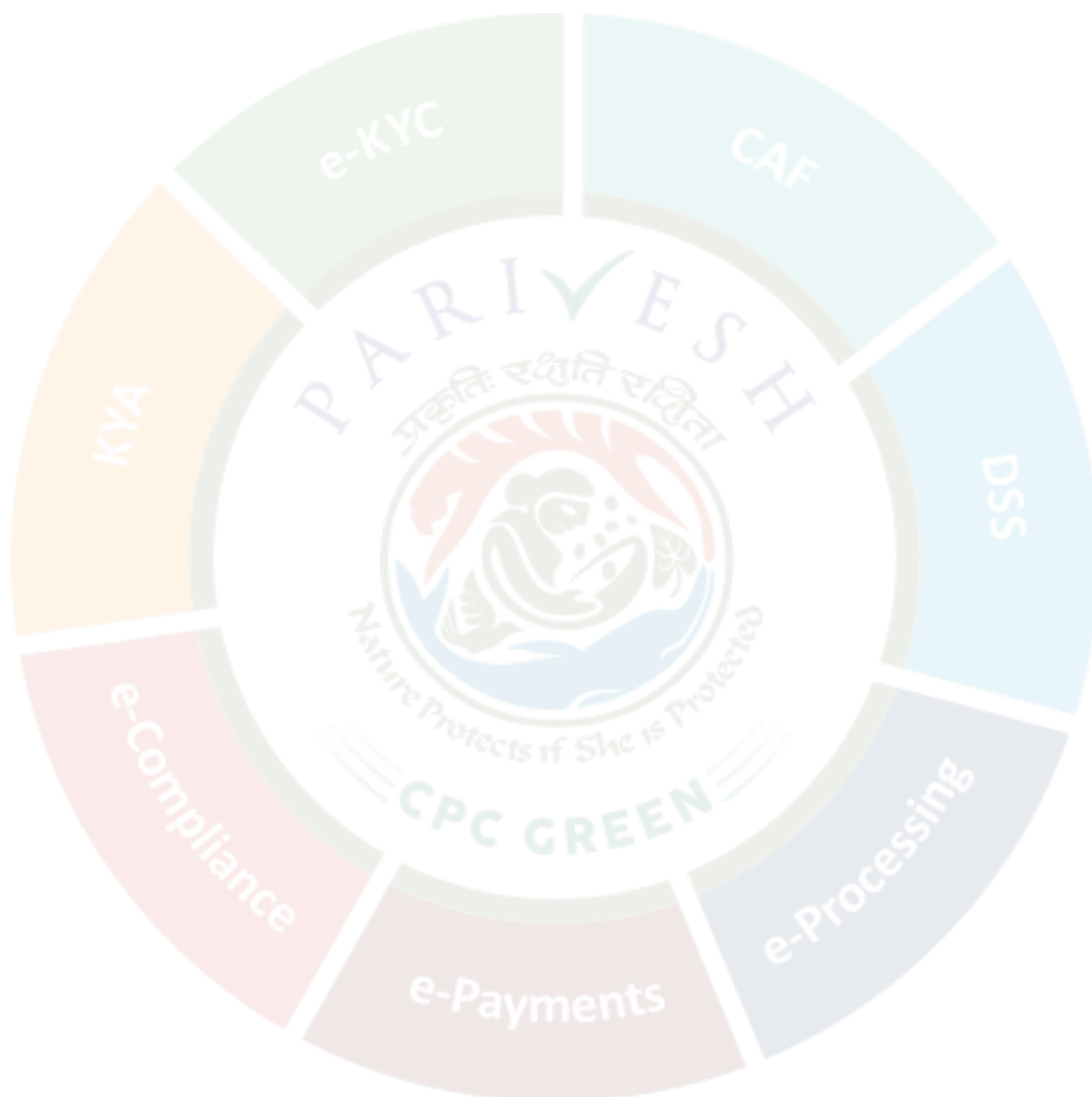
S. No	EC Conditions
14.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
14.2	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.
14.3	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.
14.4	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

S. No	EC Conditions
	company.
14.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
14.6	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.
14.7	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.
14.8	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.
14.9	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.
14.10	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.
14.11	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.
14.12	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).
14.13	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.
14.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14.16	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.
14.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period

S. No	EC Conditions
	of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Additional EC Conditions

- Project proponent to ensure strict adherence to the submitted time-bound action plan for the partially complied conditions and to regularly monitor the progress of implementation. The PP shall submit periodic progress reports to the Regional Office of MoEF&CC, and a final compliance report upon completion of all actions.



Environmental Site Settings

S. No	Particulars	Details				
a.	Terms of Reference for undertaking EIA study	Date of application	Consideration	Details	Date of accord	ToR Validity
		29.11.2023	Standard ToR issued	Terms of Reference	23.02.2024	22.02.2028
b.	Period of baseline data collection	March 2023 to May 2023				
c.	Date of Public Consultation	20.08.2024				
d.	Action plan to address the PH issues	Action plan as per MoEF&CC O.M. dated 30/09/2020 to address the issues raised during public hearing with a budget of Rs. 153.52 Crores is attached as Annexure IV.				
e.	Location of the project	Burnpur in Salanpur Tehsil of Paschim Bardhaman District of West Bengal				
f.	Total land	Total land area for the proposed project is 1165.58 ha [Govt land] is under the possession of the company.				
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land ownership under SAIL				
h.	Existence of habitation & involvement of R&R, if any	Project site: Existing premises of SAIL ISP at Burnpur				
		Study Area:				
		Habitation	Direction	Distance		
		Asansol	E	1 km		
i.	Elevation of the project site	150 m (maximum) above mean sea level				
j.	Involvement of Forest land if any.	Not Applicable				
k.	Water body exists within the project site as well as study area	Project site: No natural water bodies exist in the project area				
		Study area :				
		Waterbody	Direction	Distance		
		Damodar River	West	1.22 km		

S. No	Particulars	Details						
		Distance of HFL from Project Site : 1.22 km. Project site does not fall under flood hazard zone as per Flood Hazard Atlas of West Bengal, 2021						
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	None in the study area						
m.	Project cost	The capital cost of the proposed project is Rs 45810.92 Crores						
n.	EMP cost	<table border="1"> <thead> <tr> <th>EMP</th><th>Capital (Rs. in Lakhs)</th><th>Recurring (Rs. in Lakhs)</th></tr> </thead> <tbody> <tr> <td></td><td>Rs. 1,728.22 Crores</td><td>Rs. 185.55 Crores</td></tr> </tbody> </table>	EMP	Capital (Rs. in Lakhs)	Recurring (Rs. in Lakhs)		Rs. 1,728.22 Crores	Rs. 185.55 Crores
EMP	Capital (Rs. in Lakhs)	Recurring (Rs. in Lakhs)						
	Rs. 1,728.22 Crores	Rs. 185.55 Crores						
o.	Employment opportunity	The employment generation from the proposed expansion is 500 direct and 6,500 indirect during construction period and 3,092 direct and 2,408 indirect during operation period.						
p.	Water and Power requirement	Existing Water requirement is 31,632 m ³ /day, the water requirement for the proposed project is estimated as 60,096 m ³ /day, Existing power requirement of 149.72 MW, the power requirement for the proposed project is estimated as 324 MW						
q.	CPA/SPA	The plant site is not located in CPA/SPA						

The unit configuration and capacity for the proposed project are provided below.

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
Coke Oven	COBP 11 having 74 ovens and COBP 10 having 78 ovens 1.55 MTPA	1 battery of 74 ovens (COBP 12)+ 2 batteries of 70 ovens each (COBP 13 & 14) COBP 10 will be phased out	1×74 ovens+2×70 ovens+1×74 ovens All units with CDQ 3.5 MTPA
Sinter Plant	2 × 204 m ² 3.87 MTPA	1 × 256 m ² 2.67 MTPA	2 × 204 m ² + 1 × 256 m ² 6.54 MTPA
Pellet Plant	-	1 x 4.2 MTPA 4.17 MTPA	1 x 4.2 MTPA 4.17 MTPA
Blast Furnace	1 × 4160 cum 2.7 MTPA	1 × 5650 cum 4.3 MTPA Hot metal production from the existing BF to be increased to 3.3 MTPA	1 × 4160 cum + 1 × 5650 cum 7.6 MTPA
HMDS	2 x 150 ton	3 x 180 ton	2 x 150 ton + 3 x 180 ton
Steel Melt Shop			
• BOF	3 x 150 tons	3 x 165 ton	3 x 150 tons + 3 x 165 ton
• LF	2 x 150 tons	3 x 165 ton + 1 x 150 ton	3 x 150 tons + 3 x 165 ton
• RHOB	1 x 150 tons	2 x 165 ton	1 x 150 tons + 2 x 165 ton
Caster			
• Bloom Caster	1 x 4 strand 0.84 MTPA	-	1 x 4 strand 0.84 MTPA
• Billet Caster	2 x 6 strand 1.67 MTPA	-	2 x 6 strand 1.67 MTPA
• Continuous Slab Caster	-	3 x 1 Strand (3 X 1.5) MTPA 4.08 MTPA	3 x 1 Strand (3 x 1.5) MTPA 4.08 MTPA
Rolling Mills			

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
• Universal Section Mill	0.85 MTPA	-	0.85 MTPA
• Bar Mill	0.9 MTPA	-	0.9 MTPA
• Wire Rod Mill	0.55 MTPA	0.55 MTPA	1.1 MTPA
• HSM	-	4 MTPA	4 MTPA
• PLTCM	-	1.5 MTPA	1.5 MTPA
- CAL	-	0.9 MTPA	0.9 MTPA
- CGL	-	0.50 MTPA	0.50 MTPA
- CCL	-	0.2 MTPA	0.2 MTPA
Calcining Plant	3x330 TPD Lime & 1x200 TPD Dolomite calcination Plant	3 x 600 tpd (Lime) 1 x 600 tpd (Dolo)	3x330 TPD Lime & 1x200 TPD Dolo + 3 x 600 tpd,(Lime) 1 x 600 tpd (Dolo)
Air Separation Plant (BOO basis)	2 × 750 tpd	2 × 2500 tpd + 1 × 750 tpd	3 × 750 tpd + 2 × 2500 tpd
Captive Power Plant	(2+1) × 18 MW + 1 × 14 MW (TRT) + 8.28 MW BPTG	3 x 40 MW + 1 x 26 MW (BF TRT)	(2+1) × 18 MW, 3 × 40 MW + 1 × 14 MW (TRT) + 1 × 26 MW (BF TRT) + 8.28 MW BPTG
Micro pellet plant	-	0.25 MTPA	0.25 MTPA

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

Total budget allocated for social upliftment : 153.52 Cr

**SUMMARY OF ISSUES RAISED DURING PUBLIC HEARING ALONG WITH
YEAR WISE ACTION PLAN AND BUDGET ALLOCATION**

Sl. No.	Description	Year 1	Year 2	Year 3	Total in Lakh
1	Development of village roads in Alutia, Kalajharia, Dihika, Bagunbari	Dihika village: 600 m Alutia: 1.5 km 280 Lakh	Kalajharia: 1 km Bagunbari: 1 km road repair with drain 270 Lakh	Bagunbari: 0.5 km 70 Lakh	620
2	Health care facilities in Kalajharia village	Construction of 1 health centre 35 Lakh	-	-	35
3	Education facilities / vocational training to improve employability of local people (Kuilapur, Dihika)	Initiation of construction activity for 1 Vocational Training Centre at Kuilapur 25 Lakh	Completion of 1 Vocational Training Centre at Kuilapur Initiation of construction of 1 Vocational training centre at Dihika 80 Lakh	Completion of the Vocational training centre at Dihika 90 Lakh	195
4	Improvement of the local library in Rahmatnagar	Renovation of the library building 4 Lakh	Renovation of the library building, procurement of library furniture 8 Lakh	Procurement of computers (5 nos.), providing internet facility with power backup and donation of books 10 Lakh	22
5	Boundary wall to prevent encroachment in Rahmatnagar	Construction of a boundary wall of 0.5 km length 56 Lakh	Construction of boundary wall of another 0.5 km 56 Lakh	Construction of boundary wall of another 0.5 km 56 Lakh	168

Sl. No.	Description	Year 1	Year 2	Year 3	Total in Lakh
6	Tribal Cultural Centre in Hadamdih	Initiation of construction of a 300 ft * 150 ft Tribal Cultural Centre 78 Lakh	i) continued construction of tribal cultural centre ii) construction of 2 nos. of toilet blocks iii) construction of community kitchen 312 Lakh	i) Completion of construction, ii) Procurement of furniture iii) Commissioning of tribal cultural centre 390 Lakh	780
7	Community centre at Keradih	Repairing of the existing community hall 25 Lakh	Construction of first floor of the community hall 40 Lakh	-	65
8	Improvement of Sanitation facility in Keradih, Thakurpukur, Dihika	Keradih village: construction of toilet blocks in the community centre with bathing facilities 25 Lakh	Dihika & Thakurpukur: construction of toilet blocks in the community centre with bathing facilities 50 Lakh	-	75
9	Solar powered submersible pump at Keradih, Bagunbari	3 solar powered submersible pump at Keradih 36 Lakh	2 solar powered submersible pump each at Bagunbari 24 Lakh	-	60
10	Plantation in Dihika and plant boundary	Plantation along the plant boundary (total of 3000 trees) Dihika: 2000 trees shall be planted 18 Lakh	Plantation along the plant boundary (total of 3000 trees) Dihika: 1000 trees shall be planted 14 Lakh	-	32
11	Cleaning and restoration of a village pond at Thakurpukur	Desilting of pond for increase the depth 12 Lakh	Construction of bathing ghat and changing room 12 Lakh	Continuation of Construction of bathing ghat and changing room 3 Lakh	27
Total					2079

**SUMMARY OF ISSUES RAISED DURING SOCIAL IMPACT ASSESSMENT
STUDY ALONG WITH YEAR WISE ACTION PLAN AND BUDGET
ALLOCATION**

Sl. No.	Demand/Need	Year 1	Year 2	Year 3	Total in Lakh
1.	Development/repair of village road	Talkudi, Dhenua, Chassapatti: 4.1 km 550 Lakh	Rahmatnagar, Badadigheri, Kuilapur, Baradanga: 4.6 km 620 Lakh	Alutia, Sanmara, Chota Dighari, Bara Dighari 6.7 km 900 Lakh	2070
2	Health care facilities	Construction of 3 health centre Mithani, Baradanga, Dhenua 100 Lakh	Construction of 3 health centre Shyamdi, Nakrasota, Purushottampur 100 Lakh	Construction of 3 health centre Suryanagar, Hadamdi, Bhuiapara 100 Lakh	300
3	Procurement of Ambulance	Procurement of Ambulance for Hadamdi 30 Lakh	Procurement of Ambulance for Shyamdi 30 Lakh	-	60
4	Construction of boundary wall	Hirapur, Dhemomein, Dihika, Nakrasata, 6 km 690 Lakh	Kuilapur, Keradi, Bagunbari, Dhenua 5 km 575 Lakh	Kuilapur, Sanmara, Chota Dighari, Bara Dighari, 7.5 km 860 Lakh	2125
5	Village community hall (Dihika, Santagram, Thakurpukur)	Thakurpukur: Initiation of construction activities for 1 community centre Dihika: Renovation of the existing community hall with drinking water and solar lights 75 Lakh	Santagram: Initiation of construction activities for 1 community centre Dihika: Renovation of the existing community hall with drinking water and solar lights 75 Lakh	Completion and commissioning of all 3 community centres 75 Lakh	225
6	Improvement of sanitation facilities (community toilets)	Shaldanga : Construction of	Baradighari, Rahmatnagar: Construction of	Kalajharia, Talkuri-Santhalpara,	175

Sl. No.	Demand/Need	Year 1	Year 2	Year 3	Total in Lakh
	at Shaldanga, Baradighari, Rahmatnagar, Kalajharia, Talkuri-Santhalpara, Kalajharia, Nakrasota	Community toilet block 25 Lakh	Community toilet blocks at each village 50 Lakh	Kalajharia, Nakrasota : Construction of Community toilet blocks at each village 100 Lakh	
7	Drinking water supply in villages	Shaldanga: overhead tank with pumping system 1.5 km pipeline, 3 Solar submersible pump) 80 Lakh	2 Solar submersible pump in Mithani & Baradanga 30 Lakh	-	110
8	Solar light with pole and battery (400 nos)	Dihika: installation of 20 nos of solar lights Keradih: installation of 20 nos of solar lights Baradigheri: installation of 15 nos of solar lights Dhenua: installation of 15 nos of solar lights Nakrasota: installation of 10 nos of solar lights 20 Lakh	Dihika: installation of 10 nos of solar lights Nakrasota: installation of 10 nos of solar lights Road along Sanmara to Purulia GT road inter connector : installation of 80 nos of solar lights 25 Lakh	Balance road connecting Sanmara to GT road, Shyamdihi: installation of 252 nos of solar lights 63 Lakh	108
9	Bathing ghat at village pond	-	Dihika: Construction of bathing ghat and changing room 10 Lakh	Keradih: Construction of bathing ghat and changing room 10 Lakh	20
10	Augmentation of roads Sanmara to GT road inter connector : 8 kms- Arterial main	1 km Arterial	3 km Arterial + 5 km branch road	4 km Arterial + 5 km branch road	5,500

Sl. No.	Demand/Need	Year 1	Year 2	Year 3	Total in Lakh
	road connecting to GT road 10 kms of Branch roads connecting main road to villages (ChotoDighari, BaraDighari, Mithani, Dhemomein, Patmohania, Bidyanandapur)	700 Lakh	2,100 Lakh	2,700 Lakh	
11	Infrastructure/ amenities for surrounding localities	Hadamdih, Kuilapur, 90 Lakh	Purshatampur, Nakrasota, Alutia, Sanmara, 180 Lakh	ChotoDighari, BaraDighari, Beldanga, Saldanga 180 Lakh	450
12	Transport facility in Suryanagar	Provision of e-rickshaw, 5 nos. 7.5 Lakh	Provision of e-rickshaw, 10 nos. 15 Lakh	Provision of e-rickshaw, 5 nos. 7.5 Lakh	30
	Total				11173

DETAILS OF VILLAGE ADOPTION

Activities	Year 1	Year 2	Year 3	Total budget Rs in Lakh
<ul style="list-style-type: none"> • Providing aids to local school • Development of community toilets • Plantation • Construction of community centre • Construction of library with computers • Providing e-rickshaws • Installation of Solar lights • Installation of solar submersible pumps 	Haramdih, Naksaradata, Gutgutpara, Dhoyrapara, Kakardanga, Purhshottampur, Bhallukjor 700 Lakh	Haramdih, Naksaradata, Gutgutpara, Dhoyrapara, Kakardanga, Purhshottampur, Bhallukjor 700 Lakh	Haramdih, Naksaradata, Gutgutpara, Dhoyrapara, Kakardanga, Purhshottampur, Bhallukjor 700 Lakh	2100