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State Environment Impact Assessment Authority
West Bengal
Minutes of SEIAA Meeting
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Subject: **4th meeting of SEIAA (Reconstituted on 17.05.2023)**
Venue:- **Conference Room of Environment Department, Prani Sampad Bhavan, 5th Floor, LB – Block, Sector – III, Salt Lake, Kolkata – 700106**
From :- **16 June 2023**
To :- **16 June 2023**

(1) Proposed Expansion of Residential Complex “RISHI PRANAYA” at R.S. & L. R. Dag Nos. - 1061, 1062, 1063, 1064, 1065, 1067, 1074, 1075 (P), 1076, 1077, 1078, 1079, 1080, 1081(P), 1082/1274, 1083, 1084, 1085/1275, 1086/1277, 1087/1276, 1088(P), Mouza Kalikapur. JL No. 40 within Gram Panchayat Patharghata, Police Station - Rajarhat, District - North 24 Parganas, West Bengal by **M/s. Rishinox Buildwell LLP.**

Proposal No. :- SIA/WB/INFRA2/412262/2022, File No. : EN/T-II-1/050/2022, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/412262/2022** dated **28 December 2022** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification 2006.

Earlier the project proponent (PP) had obtained Environmental Clearance for their existing project with built up area of 57,792.575 S.qm. vide Memo No. 2031/EN/T-II-1/085/2017 dated 16/10/2019.

SEAC recommended the proposed project for Environmental Clearance during its 75th meeting held on 19.04.2023.

PROJECT DETAILS

The project of **M/s. Rishinox Buildwell LLP** located in as follows :

S. No.	State	District
(1.)	West Bengal	North 24 Parganas

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and accepted the same.

RECOMMENDATIONS OF SEIAA

The application for EC is approved based on the Building Permit vide Memo No. 779/RPS dated 01.10.2021 issued by the Executive Officer, Rajarhat Panchayat Samity.

CONCLUSION

Approved for EC.

Conditions

I. Statutory compliance:

- i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
- iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi. The project proponent should strictly comply with the guidelines for High Rise Buildings, issued by MoEF, GoI vide No. 21-270/2008-IA.III dated 07.02.2012.
- xii. The project proponent shall comply with the EMP as proposed in terms of Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020.

II. Air quality monitoring and preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel is mandatory. The location of the DG sets may be decided in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meters height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum

and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supply of recycled water and other for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. and for supplying fresh water for drinking, cooking and bathing etc. shall to be done.
- viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and

stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

- xiii. All recharge should be limited to shallow aquifer.
- xiv. No ground water shall be used during construction phase of the project.
- xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the State Water Investigation Directorate (SWID) in the matter. Formal approval shall be taken from the SWID for any ground water abstraction or dewatering.
- xvi. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening.
- xvii. No sewage or untreated effluent water would be discharged through storm water drains.
- xviii. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by MoEF&CC. Natural treatment systems shall be promoted.
- xix. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xx. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- ii. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic

capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.

- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- xi. **Construction and demolition activities should be equipped with adequate dust emission measures including installation of anti-smog guns.**

VII. Water Body Conservation:-

- i. Existing water body (if any) should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat.

VIII. Green Cover

- i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.
- ii. No tree can be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- iii. The proponent should plant at least **330** nos. trees. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The project proponent should follow plantation plan approved by DFO, 24-Parganas (North) Division vide Memo no. 1322/17-T-9 dated 11.07.2022.
- iv. Where the trees need to be cut with prior permission from the concerned Local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

IX. Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and to be operated only during non-peak hours.
 - iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

X. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

XI. Environment Management Plan (EMP)

- i. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.
- ii. Need based activities for local people is part of the EMP. Details of such activities for expansion project (in addition to the activities for the existing project) submitted by the Project Proponent.
- iii. The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations within their premises.
- iv. 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 Regional Office of MoEF&CC along with SEIAA and WBPCB as a part of six-monthly report.
- v. 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.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.

- vii. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF&CC along with SEIAA and WBPCB along with the Six-Monthly Compliance Report.

XII. Miscellaneous

- i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.
- ii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iii. 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.
- iv. 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.
- v. 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 with a copy to SEIAA and WBPCB.
- vi. 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.
- vii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, 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.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee (SEAC).
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.
- xi. 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.
- xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office of MoEF&CC / SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports.
- xv. 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.
- xvi. 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.

(2) Proposed Khatanga Quartz Mine at Plot No. 4(P) and 56(P), JL No. 191, Mouza – Khatanga, Block – Jhalda II, PS – Kotshila, Dist – Purulia, West Bengal by **M/s. Bankura Mines & Minerals Pvt. Ltd.**

Proposal No. :- SIA/WB/MIN/194366/2021, File No. : EN/T-II-1/050/2021, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/194366/2021** dated **10 March 2021** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. **1(a) Mining of minerals** projects under Category "**B2**" of EIA Notification 2006.

SEAC recommended the proposed project for Environmental Clearance during its 75th meeting held on 19.04.2023.

PROJECT DETAILS

The project of **M/s. Bankura Mines & Minerals Pvt. Ltd.** located in as follows :

S. No.	State	District
(1.)	West Bengal	Purulia

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and observed that the PP should submit the potential block no. (as per approved DSR of Purulia District) under which the proposed mining is to be undertaken with its locational geo-coordinates.

RECOMMENDATIONS OF SEIAA

Therefore, the application for EC is deferred for additional information.

CONCLUSION

Deferred (Additional Information).

(3) Proposed Gobindapur Quartz Mine project at Mouza – Gobindapur, JL No. 169, (formerly 170), Plot No. 1242, 1236, 1237, 1238(P), 1239, 1240, 1241(P), 1243(P) & 1244(P), PS & Block – Barabazar, Dist – Purulia, West Bengal by **M/s. JBS Projects Pvt. Ltd.**

Proposal No. :- SIA/WB/MIN/191772/2021, File No. : EN/T-II-1/060/2022, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/191772/2021** dated **21 January 2021** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. **1(a) Mining of minerals** projects under Category "**B2**" of EIA Notification 2006.

SEAC recommended the proposed project for Environmental Clearance during its 75th meeting held on 19.04.2023.

PROJECT DETAILS

The project of **M/s. JBS Projects Pvt. Ltd.** located in as follows :

S. No.	State	District
(1.)	West Bengal	Purulia

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and observed that the PP should submit the potential block no. (as per approved DSR of Purulia District) under which the proposed mining is to be undertaken with its locational geo-coordinates.

RECOMMENDATIONS OF SEIAA

Therefore, the application for EC is deferred for additional information.

CONCLUSION

Deferred (Additional Information).

(4) Proposed construction of Hospital Building of Gouri Devi Institute of Medical Science and Hospital (GIMSH) at Plot No. 759, 763, 766, 771, 822, 770, 773, 767, 769, 774, 775, 823, 825, 826, 755, 772, 768, 756, 749, 696, 699, 720, 827, 828, 830, 831, 760, 824, 753, JL No. 77, Mouza – Manikara, Amlajora Panchayat, Block – Kanksa, Dist – Paschim Bardhaman, PIN – 713212, West Bengal by **Gouri Devi Institute of Medical Sciences and Hospital** (VIOLATION CASE)

Proposal No. :- SIA/WB/MIS/204112/2021, File No. : EN/T-II-1/041/2018, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIS/204112/2021** dated **11 August 2021** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. **8(a) Building and Construction projects**, under Category "**B2**" of EIA Notification 2006 and the proposal is appraised at State level.

The PP obtained ToR for the proposed project vide Memo No. 484-2N-36/2018(E) dated 30.05.2019 against proposal no. SIA/WB/NCP/22890/2018.

SEAC recommended the proposed project for Environmental Clearance under violation category during its 55th meeting held on 09.11.2022.

The proposal was placed before SEIAA in its 91st meeting held on 21.03.2023 and it was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 04.04.2023.

PROJECT DETAILS

The project of **Gouri Devi Institute of Medical Sciences and Hospital** located in as follows :

S. No.	State	District
(1.)	West Bengal	Paschim Bardhaman

DELIBERATION IN SEIAA

SEIAA considered the submission made by the project proponent vide letter Ref. no. RF/GIMSH/06/0129-051 dated **04.04.2023** uploaded on **04.04.2023** and accepted the same.

RECOMMENDATIONS OF SEIAA

The application for EC is approved based on the Building Permit approved by Pradhan,Amlajorah Gram Panchayat.

CONCLUSION

Approved for EC.

Conditions

I. Statutory compliance:

- i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
- iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

II. Air quality monitoring and preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
- viii. Separation of grey and black water should be done.
- ix. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- x. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xi. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xii. No ground water shall be used during construction phase of the project.
- xiii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the State Water Investigation Directorate (SWID) in the matter. Formal approval shall be taken from the SWID for any ground water abstraction or dewatering.
- xiv. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening.
- xv. No sewage or untreated effluent water would be discharged through storm water drains.
- xvi. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to

the Regional Office of the MoEF&CC along with SEIAA and WBPCB before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by MoEF&CC. Natural treatment systems shall be promoted.

- xvii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xviii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Effluent Treatment Plant (ETP)

- i. The effluent generated from the hospital shall be segregated and treated separately in adequately designed ETP. The discharged liquid effluent should comply with the stipulated standards. No recharging of treated effluent to ground water is permitted.

V. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

VI. Energy Conservation measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VII. Waste Management

- i. The proponent should strictly abide by the Bio-Medical Waste Management (Amendment) Rules, 2018.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

- vi. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vii. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- viii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- ix. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- x. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VIII. Water Body Conservation:-

- i. Existing water body (if any) should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat.

IX. Green Cover

- i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- iii. The proponent should plant at least **2715** nos. trees. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The project proponent should follow plantation plan approved by DFO, Burdwan Division vide Certificate no. 219/DG-17 dated 22.03.2022.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

X. Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and

certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

XI. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

XII. Environment Management Plan (EMP)

- i. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.
- ii. Need based activities for local people is part of the EMP. Details of such activities are submitted by the Project Proponent.
- iii. The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations within their premises.
- iv. 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 Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly report.
- v. 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.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.
- vii. Year wise progress of implementation of action plan shall be reported to the Regional Office of the MoEF&CC along with SEIAA and WBPCB along with the Six Monthly Compliance Report.

XIII. Miscellaneous

- i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.
- ii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iii. 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.
- iv. 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.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the MoEF&CC at environment clearance portal with a copy to SEIAA and WBPCB.
- vi. 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.

- vii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, 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.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee (SEAC).
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.
- xi. 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.
- xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office of MoEF&CC /SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports.
- xv. 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.
- xvi. 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.

(5) Proposed project for installation of 2x10 Tonnes Induction Furnaces at JL No. 90, Touzi No. 1, C.S. Plot Nos. 33(P), 34(P), 35(F), 36(F), 37(F), 38(F), 57(P), 61(P), 596(P), 597(P), 698(P), 599(P), 600(P), 602(P), 604(P), 605(P), 606(P), 608(P), 609(P), 36/532, Touzi No. 10, C.S. Plot Nos. 37(P), 38(P), 39(F), 40(F), 41(P), 42(P), 579(P), 589(P), 590(P), 591(F), 592(F), 593(P), 594(P), 595(P), 597(P), 427(F), Raturia, Angadpur Industrial Area, Dist – Paschim Bardhaman, Durgapur – 713215, West Bengal by **M/s. C. P. Re-Rollers Limited.**

Proposal No. :- SIA/WB/IND/69795/2019, File No. : EN/T-II-1/021/2019, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND/69795/2019** dated **08 December 2021** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. **3(a) Metallurgical industries (ferrous & non ferrous)** under Category "**B1**" of EIA Notification 2006.

The project proponent obtained ToR for the proposed project vide Memo No. 414-2N-26/2019(E) dated 06.05.2019 against proposal no. SIA/WB/IND/30878/2019.

SEAC recommended the proposed project for Environmental Clearance during its 50th meeting held on 31.08.2022 with the additional conditions mentioned in O.M. issued by MoEF&CC vide F No. 22-23/2018.IA.III(Pt.) dated 31.10.2019 as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.

The proposal was placed before SEIAA in its 89th meeting held on 02.03.2023 and it was observed that some documents

required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 25.04.2023 and 08.06.2023.

PROJECT DETAILS

The project of **M/s. C. P. Re-Rollers Limited** located in as follows :

S. No.	State	District
(1.)	West Bengal	Paschim Bardhaman

DELIBERATION IN SEIAA

SEIAA considered the submissions uploaded by the project proponent on 25.04.2023 and 08.06.2023 and accepted the same. The revised salient features is given in Annexure 1.

RECOMMENDATIONS OF SEIAA

The application for EC is approved with the following additional conditions :-

- 1) The Exclusive Tree Plantation area should be exactly in compliance with the tree plantation plan approved by the DFO should be maintained in perpetuity by the PP or their successors subsequently.**
- 2) Display boards should be installed in the site mentioning that the exclusive tree plantation is undertaken as per the Environmental Clearance conditions of SEIAA, for the project at Raturia, Angadpur Industrial Area, Dist – Paschim Bardhaman, Durgapur – 713215 of M/s. C. P. Re-Rollers Limited and will be maintained by the project proponent or their successors, to be displayed in prominent places for information of the public.**

CONCLUSION

Approved for EC.

Conditions

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules,

2016 as amended from time to time.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R.277(E) dated 31st March 2012 (applicable to IF / EAF) as amended from time to time; S.O.3305(E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. 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.
- iii. The project proponent shall install system 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 (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- 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. 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.
- ix. The project proponent shall use leak proof trucks / dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

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 vide G.S.R.277(E) dated 31st March 2012 (applicable to IF / EAF) as amended from time to time; S.O.3305(13) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system

from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)

- 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. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. 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.
- vii. 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.
- viii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- ix. 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.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines 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.

V. Energy Conservation measures

- i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets / blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.
- iv. 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.
- v. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from roiling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.
- 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 waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.
- v. Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant).

VII. Green Belt

- i. The project proponent should follow plantation plan approved by DFO, Durgapur Division vide Memo no. 917/2-50(A) dated 25.05.2023. Plantation inside factory area is 4615 sq.m. (i.e. 14.25% of total land area 32375 sq.m.) and 8336.46 sq.m. outside factory area (i.e. 25.75% of land area 32375 sq.m.). Total plantation area 12951.46 sq.m. i.e. 40% of total land area 32375 sq.m. The plantation outside factory area will be at RS & LR Plot no. 4 & 5, Mouza – Bansgora, JL No. 46, PS – Faridpur, Paschim Bardhaman.
- ii. The Exclusive Tree Plantation area should be exactly in compliance with the tree plantation plan approved by the DFO should be maintained in perpetuity by the PP or their successors subsequently.
- iii. Display boards for information of the public should be installed at the site of compensatory plantation outside factory (at RS & LR Plot no. 4 & 5, Mouza – Bansgora, JL No. 46, PS – Faridpur, Paschim Bardhaman) mentioning that the exclusive tree plantation is undertaken as per the Environmental Clearance conditions of SEIAA, for the project at Raturia, Angadpur Industrial Area, Dist – Paschim Bardhaman, Durgapur – 713215 of M/s. C. P. Re-Rollers Limited and will be maintained by the project proponent or their successors.
- iv. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

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 of Factory Act.
- 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 as per the Factories Act.

IX. Environment Management Plan (EMP)

- i. The project proponent should submit the proposed EMP on six monthly basis. The office Memorandum issued by the MoEF&CC vide F.No.22-65/2017-IA, III dated 30/09/2020 should be strictly followed.
- ii. Need based activities for local people is part of the EMP. Details of such activities are submitted by the Project Proponent.
- iii. 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 Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board as a part of six-monthly report.

- iv. 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.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.
- vi. Year wise progress of implementation of action plan shall be reported to the Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board along with the Six Monthly Compliance Report.
- vii. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Additional conditions

The project proponent should comply with the additional conditions mentioned in O.M. issued by MoEF&CC vide F No. 22-23/2018.IA.III(Pt.) dated 31.10.2019 as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.

XI. Miscellaneous

- i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.
- ii. 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.
- iii. 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.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including result of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (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.
- 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, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board 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 State Environment Impact Assessment Authority, 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 authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. 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 State Expert Appraisal Committee.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the State Environment Impact Assessment Authority.
- xii. 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.
- xiii. The State Environment Impact Assessment Authority may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The State Environment Impact Assessment Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The State Environment Impact Assessment Authority 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.
- xvi. 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.
- 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.

(6) Proposed construction of B+G+10 storied Building for State of the Art, Director General, GSI Office, at Plot No. GN-40, Sector – V, Salt Lake, Kolkata, West Bengal by **M/s. Central Public Works Department**

Proposal No. :- SIA/WB/INFRA2/409765/2022, File No. : EN/T-II-1/060/2022, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/409765/2022** dated **08 December 2022** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification 2006.

SEAC, during its 69th meeting held on 11.03.2023, recommended the proposed project for Environmental Clearance with the additional condition that in addition to Kendriya Vidyalayas, other local schools, especially of the underprivileged communities, may also be considered under need-based EMP. Help may also be rendered to the local civic bodies for the increasing the environmental awareness, or improvement and maintenance of the locality.

The proposal was placed before SEIAA in its 96th meeting held on 25.04.2023 and it was observed that some documents

required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 01.06.2023.

PROJECT DETAILS

The project of **M/s. Central Public Works Department** located in as follows :

S. No.	State	District
(1.)	West Bengal	North 24 Parganas

DELIBERATION IN SEIAA

SEIAA considered the submission made by the project proponent vide letter No. 54(3)/EE & SM (C-II)/Rajarhat (Kolkata)/2022/28 dated 01.06.2023 uploaded on 01.06.2023. An inspection of the project has been conducted by the WBPCB on 15.05.2023. As per the inspection report it appears that the project proponent has already initiated construction activity without obtaining EC which is gross violation of the EIA Notification, 2006 and its subsequent amendments.

RECOMMENDATIONS OF SEIAA

The project proponent is required to appear for a hearing before the SEIAA, WB before a final decision on EC application is taken.

CONCLUSION

Deferred for further consideration.

II.

CONSIDERATION/RECONSIDERATION OF TOR PROPOSALS

(1) Proposed WB_APD_KAJ_A_15 Sand Mine over an area of 5.68 ha on the Kaljani River at Block: - Kalchini, P.S. - Kalchini, District: - Alipurduar, West Bengal by **M/s. West Bengal Mineral Development & Trading Corporation Limited.**

Proposal No. :- SIA/WB/MIN/422317/2023, File No. : EN/T-II-1/359/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/422317/2023** dated **06 April 2023** seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S. No. **1(a) Mining of minerals** projects under Category **B1** of EIA Notification, 2006.

SEAC, during its 75th meeting held on 19.04.2023, recommended issuance of Standard Terms of Reference for EIA preparation for the project with additional conditions.

PROJECT DETAILS

The project of **M/s. West Bengal Mineral Development & Trading Corporation Limited** located in as follows :

S. No.	State	District
(1.)	West Bengal	Alipurduar

The salient features of the project submitted by the project proponent is available at Report under online proposal no.

SIA/WB/MIN/422317/2023.

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and accepted the same.

RECOMMENDATIONS OF SEIAA

SEIAA approved the proposal for ToR.

CONCLUSION

Approved ToR.

Conditions

A. STANDARD TERMS OF REFERENCE

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from

mine lease, its land use, R&R issues, if any, should be given.

12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectorial programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and

justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

23. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
27. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
28. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
29. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
30. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
31. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
32. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
33. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
34. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
35. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
36. Public health implications of the Project and related activities for the population in the impact zone should be

systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

37. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
38. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
39. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
41. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
42. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
44. Besides the above, the below mentioned general points are also to be followed:-
 - a. Executive Summary of the EIA/EMP Report (enclosed as **Annexure – A**).
 - b. All documents to be properly referenced with index and continuous page numbering.
 - c. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e. Where the documents provided are in a language other than English, an English translation should be provided.
 - f. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i. As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

B. Additional Terms of Reference:-

- a) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
- b) A plan on the management and handling of sand during the period of intermediate stockpiling should be submitted.
- c) A Progressive Greenbelt Plan may be prepared. The project area being entirely on the riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.
- d) It appears that the proposed mine falls within 10 km from the periphery of a National Park/ Sanctuary/ Eco-Sensitive Zone/ Protected Area. As such the PP shall, – in compliance to the Hon'ble Supreme Court's order in I.A. No. 460 of 2004, obtain a no objection certificate from the Standing Committee of National Board of Wild Life (NBWL) and upload a copy of the same.
- e) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc) may also be uploaded.
- f) A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.
- g) Management plan of haul road to the public road.
- h) Spatial year wise progressive plantation programme.

The project proponent is requested to submit the final EIA/EMP prepared as per the above-mentioned ToRs and incorporating all the issues raised during Public Hearing / Public Consultation to the SEAC for further consideration of the proposal for environmental clearance.

The PP shall, – while applying for environmental clearance, upload in the PARIVESH portal, the EIA/EMP report along with the documents/ submissions/ clarifications sought hereinabove.

Annexure - A

Executive Summary

The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points:

- 1) Project name and location (Village, District, State, Industrial Estate (if applicable)).
- 2) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- 3) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative).
- 4) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- 5) Measures for mitigating the impact on the environment and mode of discharge or disposal.

- 6) Capital cost of the project, estimated time of completion.
- 7) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, with in 10km. other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary).
- 8) Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population.
- 9) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- 10) Likely impact of the project on air, water, land, flora-fauna and nearby population.
- 11) Emergency preparedness plan in case of natural or in plant emergencies.
- 12) Issues raised during public hearing (if applicable) and response given.
- 13) Environment Management Plan (EMP) as per Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 with proposed expenditure.
- 14) Occupational Health Measures.
- 15) Post project monitoring plan.

(2) Application regarding existing Rolling Mills of total capacity 72,000 TPA in the Aluminium Plant at 39, Grand Trunk Road, Belur Math, Howrah - 711202, West Bengal by **M/s. Hindalco Industries Ltd.**

Proposal No. :- SIA/WB/IND1/411416/2022, File No. : EN/T-II-1/012/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND1/411416/2022** dated **23 December 2022** seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S. No. **3(a) Metallurgical Industries (ferrous and non ferrous)** projects under Category **B1** of EIA Notification, 2006.

The PP had obtained Consent to Operate from WBPCB vide Memo no C0141710- 03/12- PCB- HOW-65-97, dated 07-12-22 which is valid from 01-12-22 to 30-11-27.

The SEAC during its 64th meeting held on 01.02.2023 recommended that Standard Terms of Reference be issued for conducting EIA study of the project as per the provisions laid down in the EIA Notification, 2006 (as amended till date) along with additional conditions.

The proposal was placed before SEIAA in its 91st meeting held on 21.03.2023 and it was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 04.05.2023.

PROJECT DETAILS

The project of **M/s. Hindalco Industries Ltd.** located in as follows :

S. No.	State	District
(1.)	West Bengal	Howrah

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/IND1/411416/2022.**

DELIBERATION IN SEIAA

SEIAA considered the reply of the PP submitted on 04.05.2023. In view of the O.M. F No. 22-23/2018-IA.III dated 30.12.2019 and No. 22-23/2018-IA.III[E115231] dated 05.07.2022 of MoEF&CC, the above project which is categorised as a ‘B1’ project is transferred to MoEF&CC for further necessary action.

RECOMMENDATIONS OF SEIAA

Transferred to MoEF&CC for further necessary action.

CONCLUSION

Transferred to MoEF&CC for further necessary action.

(3) Proposed Residential Complex at L.R. Plot No –21, 143, 144, 146, 147, 155, R.S. Plot No –88, 89, 91, 94, 97, 150, 151, L.R. Khatian No. – 217, 219, 220, 1244, J.L. No. – 81, Touzi No - 91, Mouza – Gourcharan, Pargana – Patharghata, P.S.- Matigara, Dist – Darjeeling, West Bengal by **M/s. City Developers** (Violation Case).

Proposal No. :- SIA/WB/INFRA2/417470/2023, File No. : EN/T-II-1/236/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/417470/2023** dated **08 February 2023** seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S. No. **8(a) Building / Construction** projects under Category **B2** of EIA Notification, 2006.

SEAC, during its 71st meeting held on 22.03.2023, recommended the proposal for Terms of Reference under violation category for conducting EIA study as per the provision of EIA Notification, 2006 and its amendments with additional conditions.

PROJECT DETAILS

The project of **M/s. City Developers** located in as follows :

S. No.	State	District
(1.)	West Bengal	Darjeeling

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/INFRA2/417470/2023.**

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and accepted the same.

RECOMMENDATIONS OF SEIAA

SEIAA approved the proposal for ToR under violation category.

CONCLUSION

Approved ToR.

Conditions

A) Terms of Reference for EIA and preparation of Environment Management Plan (EMP)

1. Project description, its importance and the benefits.
2. Project site details (location on toposheet of the study area of 10m, coordinates. google Map, layout map land use geological features and geo-hydrological status of the study area, drainage),
3. Land use as per the approved Master Plan of the area. Permission/approvals required from the land owning agencies. Development Authorities, Local Body, Water Supply & Sewerage Board. etc,
4. Land acquisition status and R&R details.
5. Forest and Wildlife and eco-sensitive zones. if any in the study area of 10 km - Clearances require under the Forest (Conservation) Act. 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, S02, NOx CO), water (both surface and ground) noise and soil for one month (except monsoon period) as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km.
7. Details on flora and fauna and socio-economic aspects in the study area.
8. Likely Impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic etc.).
9. Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be. Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area.
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act 1986. or an environmental laboratory accredited by NABL. or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to Violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

B) Additional ToRs:-

- 1) The unit should abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area. DFO approved plantation plan should be submitted.
- 2) The PP shall submit/ produce the following additional documents:-
 - i. Distance of the project from Mahananda ESZ certified by PCCF/CWLW.
 - ii. A notarized affidavit as per the enclosed format given in **Annexure – B**.
 - iii. Concurrence for waste water discharge, solid waste disposal and other services from the Competent Authority.

- iv. Ground water permission from the Competent Authority indicating the quantity of water to be abstracted and also the running hours of the pump for the bore wells.
- v. Power of Attorney.
- vi. Damage Assessment Plan.
- vii. Remedial Plan.
- viii. Community Augmentation Plan.
- ix. Present status of construction of the project clearly showing the violation portion with photographs.
- x. Authenticated documents for the total project cost compared to the cost incurred till the date of submission of the EC application along with EIA/EMP.
- xi. Statements regarding gross turn-over till the date of submission of EC application to be certified by Chartered Accountant.
- xii. Detailed hydrological study of the area (within 5 km radius) needs to be done including the quantity of groundwater flowing across the project area vis-a-vis the total amount of pumping of groundwater.
- xiii. Basement depth. A report on the impact of basement on confined water /groundwater flow to be submitted.
- xiv. Flowmeters (including totaliser) with recorders for raw, treated, recycled and discharged wastewater should be installed and the recorded values should be submitted with half-yearly compliance reports.
- xv. Undertaking to be submitted regarding location of recharge pits which should be shifted away from driveway. Regular monitoring of the groundwater level by constructing a piezometer is necessary for examining the efficacy of recharge.
- xvi. A plantation plan to the scale of 1:100 duly approved by the DFO is required to be submitted as per subsection (1) read with subsection (4) of section (9) of WB Trees (Protection and Conservation in Non-Forest Areas) Act, 2006. Certificate from Range-Officer will not be accepted as there is no such provision in the said Act.
- xvii. While submitting the land use plan within the project area, the details (exact width) of underground service lines including fire, electrical, sewerage and drainage should be depicted with a different colour in order to assess that the area required for exclusive tree plantation does not overlap with these underground service lines. The plan should be certified by the project architect.
- xviii. All sanction drawings, including individual floor plans and sections.
- xix. Detailed plan of solar power plant including PV array should be submitted.
- xx. Proposal for organic waste composter.
- xxi. Consents from the beneficiaries of the social part of EMP should be furnished. Any other local need should be identified.
- xxii. The PP shall install the following :-
 - a. Solar smart meter for recording generation.
 - b. Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.
 - c. Sensor based water quality management system.
 - d. STP with the digital data for inlet / outlet along with discharge quality.
 - e. Ambient air quality monitoring station. Mist cannon to be provided for dust control in the locality.
 - f. Ambient noise quality monitoring station.

The proponent, – while applying for environmental clearance, shall upload in the PARIVESH portal, the EIA/EMP report along with the documents/ sought above.

All the data and information uploaded should conform to the provisions of the NBC, 2016.

ANNEXURE – B

UNDERTAKING for Building projects

(To be done on Non-Judicial Stamp Paper of valuation Rs.10/- and duly notarized)

I, son of _____(Father's Name)_____, resident of _____(Address)_____ presently working as _____(Designation)_____ of M/s. _____(Organization Name)_____ am an authorized person of the above named organization, do hereby solemnly declare and state as follows :

1) THAT M/s._____ are the project proponent in respect of the _____(Project Name)_____.

2. THAT M/s._____ has constructed _____ sq.mt. built-up area at premises No._____.

3. THAT in terms of EIA Notification 2006 and amendments thereof, our project falls within the purview of environment clearance.

4. THAT M/s._____ has failed to get prior environmental clearance as per statutory provisions of EIA Notification due to the reasons mentioned below: (please mentioned the reasons) –

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

5. THAT M/s._____ has submitted the application form for obtaining necessary Terms of Reference / Environmental Clearance as per EIA Notification, 2006 and its amendments issued by the Ministry of Environment, Forest & Climate Change & Standard Operating Procedure (SoP) issued by MoEF&CC vide its OM dated 07.07.2021 which was upheld by hon'ble Supreme Court vide its order dated 09.12.2021 (MoEF&CC O.M. No.22-21/2020-IA.III[E 138949] dated 28.01.2022).

6. Now I, on behalf of the Project Proponent undertake the followings :-

- a) To comply with all statutory requirements/norms, for obtaining Environmental Clearance;
- b) To take all necessary permissions/licences/clearances from the concerned Government Departments and to submit compliance before the State Level Appraisal Committee, West Bengal;

c) To take all measures for the protection of the environment as may be prescribed by the Central Government or the State Government from time to time at the expenses of the project proponent.

7. THAT the project proponent also undertakes not to repeat such violation in future, in case of violation, the ToR/EC shall be liable to be terminated.

The above-mentioned statements are true to the best of my knowledge and belief.

DEPONENT

(4) Proposed Installation of Cold Rolling Mill Complex (CRMC) having capacity of 6,00,000 TPA over an area of (93.03 Acre) at Village - Dhasal, P. O. - Bahadurpur, P. S. - Jamuria, District- Pachim Bardhman, West Bengal by **M/s. Shyam Metalics Flat Product Pvt. Ltd.** (Violation Case).

Proposal No. :- SIA/WB/IND1/419432/2023, File No. : EN/T-II-1/258/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND1/419432/2023** dated **28 February 2023** seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S. No. **3(a) Metallurgical Industries (ferrous and non ferrous)** projects under Category **B1** of EIA Notification, 2006.

SEAC, during its 71st meeting held on 22.03.2023, recommended the proposal for issuance of Terms of Reference under violation category for conducting EIA study as per the provision of EIA Notification, 2006 and its amendments with additional conditions.

PROJECT DETAILS

The project of **M/s. Shyam Metalics Flat Product Pvt. Ltd.** located in as follows :

S. No.	State	District
(1.)	West Bengal	Pachim Bardhman

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/IND1/419432/2023**.

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and accepted the same.

RECOMMENDATIONS OF SEIAA

SEIAA approved the proposal for ToR under violation category.

CONCLUSION

Approved ToR.

Conditions

A. STANDARD TERMS OF REFERENCE

1. Executive Summary (Annexure – C)

2. Introduction

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3. Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Iexisting operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.

- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be
 - x. incorporated. Land use details of the study area
- xi. Geological features and Geo-hydrological status of the study area shall be included.
- xii. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xiii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiv. R&R details in respect of land in line with state Government policy.

5. Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7. Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum- rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10.** Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11. Environment Management Plan (EMP)**
- i. The project proponent should submit the proposed EMP on six monthly basis. The office Memorandum issued by the MoEF&CC vide F.No.22-65/2017-IA, III dated 30/09/2020 should be strictly followed.
- 12.** Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13.** A tabular chart with index for point wise compliance of above TOR.

B).SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR METALLURGICAL INDUSTRIES (FERROUS & NON-FERROUS)

- 1) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
- 2) Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
- 3) Details on installation/activation of opacity meters with recording with proper calibration system
- 4) Details on toxic metals including mercury, arsenic and fluoride emissions
- 5) Details on stack height requirement for integrated steel
- 6) Details on ash disposal and management -Non-ferrous metal
- 7) Complete process flow diagram describing production of lead/zinc/copper/ aluminium, etc.
- 8) Raw materials substitution or elimination

- 9) Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation
- 10) Details on Holding and de-gassing of molten metal from primary and secondary aluminium, materials pre-treatment, and from melting and smelting of secondary aluminium
- 11) Details on solvent recycling
- 12) Details on precious metals recovery
- 13) Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
- 14) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 15) Trace metals Mercury, arsenic and fluoride emissions in the raw material.
- 16) Trace metals in waste material especially slag.
- 17) Plan for trace metal recovery
- 18) Trace metals in water

C) Additional Conditions:-

- 1) Notary Affidavit as per the enclosed format given in **Annexure – D**.
- 2) Comparative statement of the salient features of the total project.
- 3) Damage Assessment Plan.
- 4) Remedial Plan.
- 5) Community Augmentation Plan.
- 6) Authenticated project cost incurred till date for which violation is done along-with the total project cost. Also provide turnover of the expansion project, if any.
- 7) Complete land documents (mutation & conversion) in the name of the project proponent.
- 8) Permission from the competent authority regarding water supply.
- 9) Detailed layout plan showing the area statement in sqm. and percentage of the plot area (adding upto 100%) should be provided.
- 10) Tree Plantation Plan approved by the DFO.
- 11) The EMP to be prepared must comply with the provisions of MoEF&CC Office Memorandum No. vide F. No. 65/2017.IA.III dated 30.09.2020 to be submitted. Local need should be assessed and items like hand washing station, toilet facility with running water, school infrastructure including incinerator for used sanitary napkins in case of girls schools, provision for sufficient service water supply and treatment of drinking water, training on environmental awareness including MSW segregation etc. in nearby schools to be considered. Restoration and/or maintenance of local water bodies, computer literacy training for the local youth may also be considered. Evidence of collecting data on the need of the locality should be submitted. Water sprinkling by mist canon may also be considered in dry seasons.

All the activities to be proposed by the project proponent in physical terms or to be prescribed by the SEAC shall form part of the Environment Management Plan.

- 12) The PP shall install the following and submit a suitable space-time plan of actions for each of them.
 - a) Solar smart meter for recording generation.
 - b) Smart flow water meter at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater.

- c) Sensor based water quality management system.
- d) STP with the digital data for inlet / outlet along with discharge quality.
- e) Ambient air quality monitoring station.
- f) Ambient noise quality monitoring station.

Annexure – C

Executive Summary

The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points:

- 1) Project name and location (Village, District, State, Industrial Estate (if applicable)).
- 2) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- 3) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative).
- 4) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- 5) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- 6) Capital cost of the project, estimated time of completion.
- 7) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, with in 10km. other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary).
- 8) Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population.
- 9) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- 10) Likely impact of the project on air, water, land, flora-fauna and nearby population.
- 11) Emergency preparedness plan in case of natural or in plant emergencies.
- 12) Issues raised during public hearing (if applicable) and response given.
- 13) Environment Management Plan (EMP) as per Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 with proposed expenditure.
- 14) Occupational Health Measures.

15) Post project monitoring plan.

Annexure – D

UNDERTAKING for Industrial projects
(To be done on Non-Judicial Stamp Paper of valuation Rs.10/- and duly notarized)

I, son of _____ (Father's Name) _____, resident of _____ (Address) _____ presently working as _____ (Designation) _____ of M/s. _____ (Organization Name) _____ am an authorized person of the above named organization, do hereby solemnly declare and state as follows :

1) THAT M/s. _____ are the project proponent in respect of the _____ (Project Name) _____.

2. THAT M/s. _____ has already started the proposed expansion activity consisting of _____ at _____.

3. THAT in terms of EIA Notification 2006 and amendments thereof, our project falls within the purview of environment clearance.

4. THAT M/s. _____ has failed to get prior environmental clearance as per statutory provisions of EIA Notification due to the reasons mentioned below: (please mentioned the reasons) –

- v.
- vi.
- vii.
- viii.

5. THAT M/s. _____ has submitted the application form for obtaining necessary Environmental Clearance as per Govt. of India Notification No.S.O.804(E) dated 14.03.2017, S.O.1030(E) dated 08.03.2018 and Office Memorandum issued by the Ministry of Environment, Forest & Climate Change, dated 15.03.2018, 16.03.2018, 09.09.2019 and Standard Operating Procedure (SoP) issued by MoEF&CC vide its OM dated 07.07.2021 which was upheld by hon'ble Supreme Court vide its order dated 09.12.2021.

6. Now I, on behalf of the Project Proponent undertake the followings :-

- a) To comply with all statutory requirements/norms, for obtaining Environmental Clearance;
- b) To take all necessary permissions/licences/clearances from the concerned Government Departments and to submit compliance before the State Level Appraisal Committee, West Bengal;
- c) To take all measures for the protection of the environment as may be prescribed by the Central Government or the State Government from time to time at the expenses of the project proponent.

7. THAT the project proponent also undertakes not to repeat such violation in future, in case of violation, the ToR/EC shall be liable to be terminated.

The above-mentioned statements are true to the best of my knowledge and belief.

DEPONENT

(5) Proposed Kharia Fire Clay & China Clay Mines over an area of (7.02 ha) at Mouza – Kharia, J.L No. 145, Plot Nos. 425 to 478, 481 to 484, 500 to 540, 543 to 555, 568 to 587 etc., P.O & P.S – Md. Bazar, Dist. – Birbhum, West Bengal by **M/s. Sharma Minerals, Joypore.**

Proposal No. :- SIA/WB/MIN/76475/2022, File No. : EN/T-II-1/281/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/76475/2022** dated **30 Mar 2022** seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S. No. **1(a) Mining of minerals** projects under Category **B** of EIA Notification, 2006.

SEAC, during its 71st meeting held on 22.03.2023, recommended the proposal for issuance of Terms of Reference for conducting EIA study as per the provision of EIA Notification, 2006 and its amendments with additional conditions.

The project of **M/s. Sharma Minerals, Joypore** located in as follows :

S. No.	State	District
(1.)	West Bengal	Birbhum

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/MIN/76475/2022.**

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and observed that the PP should submit the potential block no. (as per approved DSR of Birbhum District) under which the proposed mining is to be undertaken with its locational geo-coordinates.

RECOMMENDATIONS OF SEIAA

Therefore, the application for EC is deferred for additional information.

CONCLUSION

Deferred (Additional Information).

Annexure 1

Project Summary of C.P. Re-Rollers Ltd.																									
Proposed Project	Installation of 1 x 10 Tonnes Induction furnace																								
Project Proponent	C.P. Re-Rollers Ltd. , 5, Nafar Kundu Road, Flat No. 2B, Kolkata-700026, West Bengal																								
Project Location	J.L. No. 90, Raturia, Angadpur Industrial Area, Dist: Paschim Bardhaman, Durgapur – 713215, West Bengal Latitude : 23°30'39"N ; Longitude : 87°16'54"E																								
Proposed Modification /Addition	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Particulars</th> <th style="width: 35%;">Existing</th> <th style="width: 35%;">Subsequent Modification/Addition</th> </tr> </thead> <tbody> <tr> <td>Induction Furnace</td> <td>2 no. 8 T</td> <td>1 no 10 T</td> </tr> <tr> <td>M.S. Billets</td> <td>60,000 Tonnes/ Annum</td> <td>31,000 Tonnes/ Annum</td> </tr> <tr> <td>Continuous Caster</td> <td>1 Nos. 2 strand</td> <td align="center">-</td> </tr> <tr> <td>Reheating Furnace</td> <td>2 no. 20 Ton/hr</td> <td align="center">-</td> </tr> <tr> <td>Rolling mill</td> <td>90,000 Tonnes/ Annum</td> <td align="center">-</td> </tr> <tr> <td>Section Mill</td> <td>30,000 Tonnes/ Annum</td> <td align="center">-</td> </tr> <tr> <td>Ladle</td> <td>4x12MT</td> <td align="center">-</td> </tr> </tbody> </table>	Particulars	Existing	Subsequent Modification/Addition	Induction Furnace	2 no. 8 T	1 no 10 T	M.S. Billets	60,000 Tonnes/ Annum	31,000 Tonnes/ Annum	Continuous Caster	1 Nos. 2 strand	-	Reheating Furnace	2 no. 20 Ton/hr	-	Rolling mill	90,000 Tonnes/ Annum	-	Section Mill	30,000 Tonnes/ Annum	-	Ladle	4x12MT	-
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Land Area	Expansion will be within existing land area. Total area 8 acres (32374.9 sqm)																								
Project Cost	Rs. 640 Lakhs																								

Raw Materials & Quantity	Raw Material Requirement at 100 % Capacity				
	Sponge iron		21600 T		
	Pig iron		5400 T		
	Scrap		7720 T		
	Ferro Manganese		310 T		
	Ferro Silicon		620 T		
Water requirement and source	Existing:100 KLD; Proposed for Expansion:23KLD; Total: 123KLD,				
	Sl. No.	Purpose	Quantity (KLD)		
			Existing	Proposed	Total
	A.	Water for cooling (Make up)	90.00	20.0	110.00
	B.	Domestic purposes & other uses	10.00	3.00	13.0
		TOTAL	100.00	23.00	123.00
	Source : Durgapur Municipal Corporation & Rain Water Harvesting				
Power Requirement & source	Total : 17 MVA; Existing: 13 MVA; Additional: 4 MVA Source : DPL Existing D.G. Set : 500 KVA, Proposed D.G. Set : Nil				
Fuel Requirement	Diesel. Existing Requirement: 50 L/hr				
Manpower requirement	Total : 426; Existing: 346; Proposed: 80				
Water Pollution Control System	There will not be any waste water generation from process. Cooling water totally will be recycled. Only the domestic effluent water (4.8 KLD) will be generated which will be taken in septic tank and followed by soak pit as per PHE norms.				
Air Pollution Control System	Source		Pollution Control System		
	Induction Furnace		Proposed induction furnace will be equipped with Spark arrestor, Bag Filter, ID Fan and stack of height 30m from GL.		

Solid Waste generation	<p>Induction Furnace Slag: 10 TPM will be used for road construction.</p> <p>Dust from Air Pollution Control System: 15TPM will be used in land filling, making of fly ash bricks.</p> <p>Scrap 10TPM will be re-melted in the process.</p>
Area For Greenbelt	Proposed Greenbelt: 40% of 8 acres (32374.9 sqm) land i.e. 3.2 Acre (12951.46 sqm)
Rain water harvesting features	<p>Minimum harvested water: 1044 m³ / year.</p> <p>Two rectangular rain water storage tanks will be constructed.</p> <p>Dimension of tank 14.3 m x 10.0 m x 4.4 m = 630 m³ and 10.0 m x 10.0 m x 4.5 m = 450 m³.</p> <p>3.4 KLD of harvested rainwater will be utilized for plant operation.</p>
Fund allocation for Corporate Environment Responsibility	Rs.6,40,000/- (1.0% of the total project cost)