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State Environment Impact Assessment Authority
West Bengal
Minutes of SEIAA Meeting
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Subject: **41st 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 :- **27 May 2024**
To :- **27 May 2024**

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

(1) Proposed construction of 3 Nos. G+1 Storied Building at Block A, B, C, Under Group - D Mercantile, MC – 9, Kolkata West International City, R.S. Plot No. :20 to 21, 23 to 24, 39, 41 to 45, 47 to 52, 54 to 73, 79 to 87, 89 to 91, 93 to 97, 112, 116 to 118, 121, 126 to 128, 150 to 160, 163 to 164, 216 to 218, 222 to 223, 835 to 843, 845 to 848, 60/1068, 61/1069, 62/1070, 65/1071, 66/1072 150/1073, 1305 to 1307, 1311, L.R. Plot No. : 24 to 25, 27 to 28, 37, 39 to 43, 45 to 50, 52 to 76, 82 to 90, 92 to 99, 118 to 119, 122 to 123, 126, 131 to 133, 155 to 166, 169 to 170, 222 to 224, 228 to 229, 849 to 853, 856 to 857, J.L No. : 54 and 106, Khatian No. : 985 and 1004, Mouza-Kona, Balitikuri, Bankra, Pakuria, Tetulkuli, Khalia & Salap, PO & PS-Domjur, Dist.- Howrah, West Bengal by **M/s. KOLKATA W INT CITY PRIVATE LIMITED.**

Proposal No. :- SIA/WB/INFRA2/441704/2023, File No. : EN/T-II-1/526/2023, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/441704/2023** dated **20 September 2023** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification 2006.

Earlier the PP obtained EC vide No. 572/EN/T-II-1/126/2008 dated 09.03.2016 for their township project for a built up are 2922411.278 sqm. on a land parcel of 367.811 acres. The present project proposal is within the above township.

SEAC, during its 35th meeting held on 10.04.2024, recommended the proposed project for Environmental Clearance.

The proposal was placed before SEIAA in its 40th meeting held on 13.05.2024. SEIAA considered the recommendation of SEAC and decided to defer the proposal for next meeting.

PROJECT DETAILS

The project of **M/s. KOLKATA W INT CITY PRIVATE LIMITED** located is as follows :

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

The salient features of the project submitted by the project proponent is available at online proposal no. **SIA/WB/INFRA2/441704/2023.**

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and decided that the PP should submit the

following :-

- 1. A map showing all the dag nos. within the project boundary with water body area superimposed on it.**
- 2. A revised plantation plan should be submitted where 1100 saplings are required to be planted per ha.**
- 3. Detailed storm water drainage scheme with its outfall and present loading condition with its additional capacity to cater when predominantly the site is built up and run off is increased.**

RECOMMENDATIONS OF SEIAA

The application for EC is deferred for additional information.

CONCLUSION

Deferred (Additional Information).

(2) Proposed development of a residential complex 'Royal Ganges-2' consisting of tower blocks, town houses and row houses along with various community facilities at Holding No.-D5-177/New, Ganga Bandh Road, Mouza - Krishnanagar, J.L. No-1, L.R. Khaitan No.- 3930, L.R. Dag Nos.-382, 383, 419, 429, Under Maheshtala Municipality, Ward No-20, P.S.- Maheshtala, P.O.-Batanagar, South 24 Parganas, Kolkata-700140 by **M/s. Srijan Residency LLP**.

Proposal No. :- SIA/WB/INFRA2/449216/2023, File No. : EN/T-II-1/541/2023, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/449216/2023** dated **30 October 2023** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification 2006.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

The project of **Srijan Residency LLP** located is as follows :

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

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/INFRA2/449216/2023**.

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 Maheshtala Municipality Building Permit No. III-B/MM/BLDG/2/332/21-22/SP/BP dated 14.08.2021 with the following additional conditions –

- 1. When the project starts receiving piped water supply from Maheshtala Municipality, it will stop extraction of ground water.**
- 2. At least 5% of the total parking capacity to be provided with electrical charging points for e-vehicles.**
- 3. The designated tree plantation area in the DFO approved plan should be used exclusively for**

tree plantation only, not for any other purpose.

- 4. PP should ensure proper insulation to prevent heating of the water in overhead water tank and distribution pipe.**

CONCLUSION

Approved for EC.

(3) Proposed Sarugaon Sand Mine (MIN_APD_9) over an area of 1.48 ha (3.65 Acres) on Khanavarti River at J. L. No. – 04, Plot No. 528, Mouza – Sarugaon, Village – Sarugaon, Police Station – Madarihat, District – Alipurduar, West Bengal by **M/s. West Bengal Mineral Development and Trading Corporation Limited**

Proposal No. :- SIA/WB/MIN/422859/2023, File No. : EN/T-II-1/331/2023, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/422859/2023** dated **21 March 2023** 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, during its 37th meeting held on 04.05.2024, recommended Environmental Clearance for the proposed project with additional conditions.

PROJECT DETAILS

The project of **M/s. West Bengal Mineral Development and 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/422859/2023**.

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and observed that the condition no. 1 recommended by SEAC states – ‘If the proposed project falls within 10 km from the periphery of a National Park/ Sanctuary/ Eco-Sensitive Zone/Protected Area, the PP shall obtain a no objection certificate from the Standing Committee of National Board of Wild Life (NBWL) before commencement of project activity, in compliance to the Hon'ble Supreme Court's order in I.A. No. 460 of 2004’.

SEAC may confirm whether the project falls within 10 km. of National Park/ Sanctuary/ Eco-Sensitive Zone/Protected Area and provide its recommendation accordingly, as such an important decision cannot be left to the discretion of project proponent.

RECOMMENDATIONS OF SEIAA

The application for EC is referred back to SEAC for reappraisal.

CONCLUSION

Referred back to SEAC.

(4) Proposed project of Shree Kolkata Cement Plant (Clinker Grinding Unit) with cement production capacity of 2.5 Million TPA (OPC, PPC, PSC, Composite Cement, SRC & RHPC) D.G. sets of 1250 kVA (1000 kVA or 2 x 500 kVA & 250 kVA) along with Railway siding at Village & Mouza: Kaijuri & Rauta, Near Birshibpur Railway Station, PS: Uluberia - I Taluka: Uluberia, District: Howrah, West Bengal by **M/s. Shree Cement North Private Limited.**

Proposal No. :- SIA/WB/IND1/404126/2022, File No. : EN/T-II-1/011/2022, Type-EC

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND1/404126/2022** dated **08 June 2023** 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(b) Cement plants** projects under Category "**B1**" of EIA Notification 2006.

The project proponent (PP) obtained Terms of Reference issued by SEIAA, WB vide No. 890/EN/T-II-1/011/2022 dated 18.05.2022 against proposal no. SIA/WB/IND/72230/2022.

SEAC, during its 5th meeting held on 28.06.2023, recommended that Environmental Clearance may be granted to the proposed project with additional conditions.

The proposal was placed before SEIAA in its 9th meeting held on 20.07.2023 and 26th meeting held on 15.12.2023. It was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 20.10.2023 and 12.03.2024.

Earlier the PP was called for hearing on 22.12.2023 and 01.02.2024 but in both cases the PP informed SEIAA of their inability to attend the hearing and requested further time.

PP was informed to appear for hearing on 19.04.2024. The PP appeared for hearing before SEIAA and the proposal was deferred for additional submission. The proponent uploaded their reply on

PROJECT DETAILS

The project of **M/s. Shree Cement North Private Limited** 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/IND1/404126/2022.**

DELIBERATION IN SEIAA

SEIAA considered the submission made by the project proponent vide their letter no. SCNLP/Uluberia/EC/2024-25/199 dated 10.05.2024. SEIAA decided that the project should be established within 27.21 acres (which is in the possession / or PP has development agreement with land owners), details of which is given in Annexure – 1. The PP should also do additional

plantation in 1.62 acres as proposed.

RECOMMENDATIONS OF SEIAA

The application for EC is approved.

CONCLUSION

Approved for EC.

CONSIDERATION/RECONSIDERATION OF ToR

(1) Proposed Kumirkola Sand Mine 3.25 Hectare (8.02 Acres) on River Damodar at Plot No.1404(P), 1405(P) & ORS., J.L. No.-9, Mouza- Kumirkola, P.S.- Khandoghosh, District- Purba Bardhaman, West Bengal by **M/s. Manik Mandal**.

Proposal No. :- SIA/WB/MIN/73980/2022, File No. : EN/T-II-1/079/2023, Type-ToR

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/73980/2022** dated **22 March 2022** seeking ToR under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B**" of EIA Notification 2006.

SEAC, during its 37th meeting held on 04.05.2024, recommended issuance of Standard Terms of Reference for EIA preparation for the project with additional conditions.

PROJECT DETAILS

The project of **M/s. Manik Mandal** located is as follows :

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

The salient features of the project submitted by the project proponent are available at online proposal no. **SIA/WB/MIN/73980/2022**.

DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and accepted the same with the conditions that the impact study should be done for the entire cluster situation and the need based activity should be completed within a period of first two years of the project life. The need based activities plan containing year-wise allocation of funds for each of the activities proposed, specific information related to each activity like name of school/institution, location etc and name of Govt. bodies/agencies in collaboration with whom each activity would be executed should be submitted with the EIA Report.

RECOMMENDATIONS OF SEIAA

Approved the proposal for Terms of Reference.

CONCLUSION

Approved.

List of the projects which were placed before the SEIAA, WB in the forty first meeting held on 27.05.2024 and the Summary Decisions thereof:

Sl. No.	Proposal	Summary Decision
CONSIDERATION/RECONSIDERATION OF EC		
1.	<p>Proposed construction of 3 Nos. G+1 Storied Building at Block A, B, C, Under Group - D Mercantile, MC – 9, Kolkata West International City, R.S. Plot No. :20 to 21, 23 to 24, 39, 41 to 45, 47 to 52, 54 to 73, 79 to 87, 89 to 91, 93 to 97, 112, 116 to 118, 121, 126 to 128, 150 to 160, 163 to 164, 216 to 218, 222 to 223, 835 to 843, 845 to 848, 60/1068, 61/1069, 62/1070, 65/1071, 66/1072 150/1073, 1305 to 1307, 1311, L.R. Plot No. : 24 to 25, 27 to 28, 37, 39 to 43, 45 to 50, 52 to 76, 82 to 90, 92 to 99, 118 to 119, 122 to 123, 126, 131 to 133, 155 to 166, 169 to 170, 222 to 224, 228 to 229, 849 to 853, 856 to 857, J.L No. : 54 and 106, Khatian No. : 985 and 1004, Mouza-Kona, Balitikuri, Bankra, Pakuria, Tetulkuli, Khalia & Salap, PO & PS-Domjur, Dist.- Howrah, West Bengal by M/s. KOLKATA W INT CITY PRIVATE LIMITED.</p> <p>Proposal No. :- SIA/WB/INFRA2/441704/2023</p>	Deferred for additional submission
2.	<p>Proposed development of a residential complex 'Royal Ganges-2' consisting of tower blocks, town houses and row houses along with various community facilities at Holding No.-D5-177/New, Ganga Bandh Road, Mouza - Krishnanagar, J.L. No-1, L.R. Khaitan No.- 3930, L.R. Dag Nos.-382, 383, 419, 429, Under Maheshtala Municipality, Ward No-20, P.S.-Maheshtala, P.O.-Batanagar, South 24 Parganas, Kolkata-700140 by M/s. Srijan Residency LLP.</p> <p>Proposal No. :- SIA/WB/INFRA2/449216/2023</p>	Approved for Environmental Clearance
3.	<p>Proposed Sarugaon Sand Mine (MIN_APD_9) over an area of 1.48 ha (3.65 Acres) on Khanavarti River at J. L. No. – 04, Plot No. 528, Mouza – Sarugaon, Village – Sarugaon, Police Station – Madarihat, District – Alipurduar, West Bengal by M/s. West Bengal Mineral Development and Trading Corporation Limited</p> <p>Proposal No. :- SIA/WB/MIN/422859/2023</p>	Referred back to SEAC
4.	<p>Proposed project of Shree Kolkata Cement Plant (Clinker Grinding Unit) with cement production capacity of 2.5 Million TPA (OPC, PPC, PSC, Composite Cement, SRC & RHPC) D.G. sets of 1250 kVA (1000 kVA or 2 x 500 kVA & 250 kVA) along with Railway siding at Village & Mouza: Kaijuri & Rauta, Near Birshibpur Railway Station, PS: Uluberia - I Taluka: Uluberia, District: Howrah, West Bengal by M/s. Shree Cement North Private Limited.</p>	Approved for Environmental Clearance

Sl. No.	Proposal	Summary Decision
	Proposal No. :- SIA/WB/IND1/404126/2022	
CONSIDERATION/RECONSIDERATION OF ToR		
1.	Proposed Kumirkola Sand Mine 3.25 Hectare (8.02 Acres) on River Damodar at Plot No.1404(P), 1405(P) & ORS., J.L. No.-9, Mouza- Kumirkola, P.S.- Khandoghosh, District- Purba Bardhaman, West Bengal by M/s. Manik Mandal. Proposal No. :- SIA/WB/MIN/73980/2022	Approved for Terms of Reference



Government of India
Ministry of Environment, Forest and Climate Change
 (Issued by the State Environment Impact Assessment
 Authority (SEIAA),
 WEST BENGAL)



**Minutes of 41st meeting of SEIAA (Reconstituted on 17.05.2023) State Environment
 Impact Assessment Authority meeting held from 27/05/2024 to 27/05/2024**

Date: 05/06/2024

MoM ID: EC/MOM/SEIAA/489987/5/2024

Agenda ID: EC/AGENDA/SEIAA/489987/5/2024

Meeting Venue: Conference Room of Environment Department, Prani Sampad Bhavan, 5th Floor, LB Block, Sector III, Salt Lake, Kolkata 700106.

Meeting Mode: Hybrid

Date & Time:

27/05/2024	02:00 PM	05:30 PM
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1. Opening remarks

SEIAA members greeted each other and started discussion point wise as per the agenda.

2. Confirmation of the minutes of previous meeting

Minutes of 40th Meeting of SEIAA, WB is uploaded in the PARIVESH Portal.

3. Details of proposals considered by the committee

Day 1 -27/05/2024

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

DEEP BLACK STONE PROJECT by SARANDEEP SAINI located at BANKURA, WEST BENGAL			
Proposal For		Mining EC Under 5 Ha	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/457957/2024	2N-42/2024(E)	12/01/2024	Mining of minerals (1(a))

3.1.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- The SEAC scrutinized the documents submitted by the PP in the 37th meeting of SEAC, WB (2023-2026) held on 04.05.2024. After careful consideration and detailed deliberation, the committee **recommended the proposed project for Environmental Clearance** with the following additional conditions:
 1. The Proponent shall prepare a dust and noise minimization plan with adequate details. Care should be taken for prevention of occupational health issues of the workers. Amenities like personal protective equipments (PPEs) should be provided for them.
 2. A post closure long-term vegetative stabilisation program should be submitted along with the six monthly compliance report.
 3. Monitoring of PM₁₀, PM_{2.5} and its SiO₂ (free silica) content should be done along with noise levels.
 4. Dust suppression by sprinkling water should be adopted specially after dusty operations like drilling, blasting etc.
 5. Year-wise excavation schedule showing breakup of pay-mineral (black stone) and waste rock may be clearly drawn up and areas may be demarcated for waste dumping. Site for intermediate stockpiling of the mineral may also be clearly demarcated and show in the surface plan.
 6. As far as practicable the waste rock to be produced from the mine may be dumped in the existing pit-void adjacent to/ within the lease hold boundary. Any outside the pit dumping should be temporary in nature. All waste rock dumped outside the pit may be rehandled and backfilled in the mined out area.
 7. The proponent shall review the Progressive Mine Closure Plan every two years from the date of opening of the mine and shall submit the same to the officer authorised by the State Government in this behalf, for its approval under the West Bengal Minor Mineral Concession Rules, 2016. In the event of the progressive mine closure being not approved, or not deemed to be approved, the mining activities shall be discontinued.
 8. One year prior to the proposed closure of the mine the proponent shall submit a Final Mine Closure Plan to the officer authorised by the State Government in this behalf, for approval under the West Bengal Minor Mineral Concession Rules, 2016.
 9. The project proponent shall ensure that the protective measures contained in the Mine Closure Plan referred to hereinabove including the reclamation and rehabilitation work are carried out in accordance with the approved Mine Closure Plan or with such modifications as are approved by the officer authorised by the State Government in this behalf under the West Bengal Minor Mineral Concession Rules, 2016.
 10. In addition to regular submission of environmental compliance reports as required under the EIA Notification, 2006, the proponent shall submit to the officer authorised by the State Government in this behalf, a yearly report before 1st of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved Mine Closure Plan, and if there is any deviation, reasons thereof.
 11. For the purpose of carrying out mining operation in the area, the proponent shall furnish financial assurance. The amount of financial assurance shall be as laid down in the West Bengal Minor Mineral Concession Rules, 2016. The financial assurance may be in any of the forms referred to in the said Rules.
 12. Effects of blasting to the nearby localities should be examined and remedial plan should be in line with approved mine plan and as per rules of Mine Safety Authority.
 13. Needs of the locality may be assessed and a social part of the EMP should be undertaken as stipulated by MoEF&CC.

Date of SEAC 2 :03/04/2024

Deliberations of SEAC 2 :

- The SEAC scrutinized the documents submitted by the PP in the 34th meeting of SEAC, WB (2023-2026) held on 03.04.2024. After careful consideration and detailed deliberation, the committee recommended that the PP should submit a revised plantation plan. 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.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

Date of SEAC 3 :28/02/2024**Deliberations of SEAC 3 :**

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations:-

1. Salient features of the project in a tabular format should be submitted.
2. The period of lease mentioned in the LoI is for 10 years. However, the period of lease mentioned in the PFR uploaded by the PP is for of 5 years. Reasons should be submitted.
3. Complete transportation plan for the project. The plan should include the capacity of dumpers, trucks, excavators etc., and the number of trips undertaken per day. This should match with the production schedule as submitted in the approved Mine Plan.
4. Revised break up of project cost. The land cost as per the current valuation should be included in the project cost.
5. Revised need-based EMP for the project as discussed in the meeting including the beneficiaries and the cost outlay each year. The entire need-based EMP should be completed within first two years of the project period.
6. A Progressive Greenbelt Plan may be prepared. The mine area appears to be narrow, hence the areas for plantation, storage of overburden and temporary storage of mined minerals should be marked on the plan. 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. Spatial year wise progressive plantation programme to be submitted.
7. Depth of mining is 24 m. hence a safe closure plan should be proposed.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

Date of SEAC 4 :07/02/2024**Deliberations of SEAC 4 :**

- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be satisfactory, the PP may be allowed to present its case in a subsequent meeting.

3.1.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The Project Proponent (PP) made online application vide proposal no. **SIA/WB/MIN/457957/2024** dated **12 January 2024** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B2**" of EIA Notification 2006.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

The project of **Sarandeep Saini** located is as follows :

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

The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/MIN/457957/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and decided to ask the PP for a presentation on plantation in safety barrier and EMP.

3.1.4. Recommendation of SEIAA

Discussed

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

‘Splitting of Environment Clearance’ - 10 x 20 T (0.6 MTPA) Induction Furnace with matching LRF & CCM and Cold Rolling Mill-0.19 MTPA as M/s Orissa Metaliks Private Limited and remaining 05 x 20T (0.3 MTPA) Induction Furnace with matching LRF & CCM, Hot Rolling Mill-0.65 MTPA and 45 MW Coal Dolochar Based Captive Power Plant as M/s Orissa Metallurgical Industry Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal by ORISSA METALIKS PRIVATE LIMITED located at MEDINIPUR WEST, WEST BENGAL

Proposal For		Application for Splitting of Environmental Clearance - Form 12	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/IND1/459037/2024	2N-45/2016(E)	18/01/2024	Metallurgical Industries (ferrous and non ferrous) (3(a))

3.2.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- Based on the submission made by the PP, the SEAC **recommended the proposal for splitting of the existing EC** issued vide EC No. 3311/EN/T-II-1/016/2018 dated 03.10.2018 in name to M/s. Orissa Metaliks Private Limited & M/s Orissa Metallurgical Industry Private Limited in the following manner :
- **Units to remain with M/s. Orissa Metaliks Private Limited:**
6,00,000 TPA SMS (10 x 20 T I.F with matching LRF & CCM)
1,90,000 TPA Cold Rolling Mill
- **Units to be transferred to M/s Orissa Metallurgical Industry Private Limited post EC splitting:**
3,00,000 TPA SMS (5 x 20 T I.F with matching LRF & CCM)
6,50,000 TPA Hot Rolling Mill
45 MW CFBC based CPP (Coal & Dolochar based) CPP).

Conditions:

1. The PPs should comply with the EC conditions (including rainwater harvesting by storage) separately and independently for both projects.

3.2.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND1/459037/2024** dated **18 January 2024** seeking splitting of Environmental Clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **3(a) Metallurgical Industries (ferrous and non ferrous)** projects under Category "**B1**" of EIA Notification 2006.

Earlier, Environmental Clearance was granted by SEIAA, West Bengal to M/s. Rashmi Metaliks Limited (Unit-III) vide EC No. 2707/EN/T-II-1/074/2015 dated 07.02.2016 for installation of Induction Furnace 10 x 20 T, 0.55 MTPA Rolling Mill along with Captive Power Plant 70 MW (25 MW coal based and 45 MW Dolochar-coal mix based) at Mouza-Mathurakismat & Amba, Vill-Gokulpur, P.O.[1]Shyamraipur, P.S-Kharagpur, Dist-Paschim Medinipur.

EC was transferred to M/s. Orissa Metaliks Private Limited vide EC No. 689/EN/T-II-1/074/2015 dated 03.04.2017.

EC was granted by SEIAA to M/s. Orissa Metaliks Private Limited vide No. 3311/EN/T-II[1]1/016/2018 dated 3rd October, 2018 for Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with 45 MW Coal Dolochar Mix based Captive Power Plant of M/s Orissa Metaliks Private Limited (OMPL) at Mouza - Mathurakismat (J.L. No. 114) & Amba (J.L. No. 115), Village Gokulpur, P.O.-Shyamraipur, P.S-Kharagpur, Dist. Paschim Medinipur, West Bengal.

Now, the PP applied in prescribed format and uploaded the application in the PARIVESH portal on 18.01.2024 for splitting of Environmental Clearance accorded to M/s Orissa Metaliks Private Limited vide EC No. 3311/EN/T-II-1/016/2018 dated 03.10.2018 into M/s Orissa Metaliks Private Limited and M/s Orissa Metallurgical Industry Private Limited.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposal for splitting of the existing EC issued vide EC No. 3311/EN/T-II-1/016/2018 dated 03.10.2018 in name to M/s. Orissa Metaliks Private Limited & M/s Orissa Metallurgical Industry Private Limited in the following manner :

- Units to remain with M/s. Orissa Metaliks Private Limited:
6,00,000 TPA SMS (10 x 20 T I.F with matching LRF & CCM)
1,90,000 TPA Cold Rolling Mill
- Units to be transferred to M/s Orissa Metallurgical Industry Private Limited post EC splitting:
3,00,000 TPA SMS (5 x 20 T I.F with matching LRF & CCM)
6,50,000 TPA Hot Rolling Mill
45 MW CFBC based CPP (Coal & Dolochar based) CPP).

Conditions:

1. The PPs should comply with the EC conditions (including rainwater harvesting by storage) separately and independently for both projects

PROJECT DETAILS

The project of **M/s. Orissa Metaliks Private Limited** located is as follows :

S. No.	State	District
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(1.)	West Bengal	Paschim Medinipur
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The salient features of the project submitted by the project proponent are available under online proposal no. **SIA/WB/IND1/459037/2024** in PARIVESH Portal.
SEIAA considered the recommendation of SEAC and accepted the same.

3.2.4. Recommendation of SEIAA

Approved

3.2.5. Details of Environment Conditions

3.2.5.1. Specific

Additional Condition:-	
1.	The PPs should comply with the EC conditions (including rainwater harvesting by storage) separately and independently for both projects.

3.2.5.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04/06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous and their no's.)
1.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
1.	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.
1.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual

	monitoring of emissions.
1.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
1.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
1.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
1.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
1.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
1.	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
1.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
1.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
1.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
1.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
1.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
1.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
1.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
1.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
1.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Ferro Alloy Plants	
1.	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
1.	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.

1.	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
1.	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m ³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
1.	No Ferro-chrome production shall be carried out without prior Environmental clearance from MOEF&CC.
Air Quality Monitoring and Preservation in case of Aluminium Smelter / Aluminium Refinery	
1.	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.
1.	Practice use of low-sulphur tars for baking anodes
1.	Adopt dry scrubbing combined with incineration in order to control emissions of tar and volatile organic compounds (VOCs). The waste heat shall be recovered from the flue gases of incinerator.
1.	Make efforts to increase the life of pot lining through better construction and operating techniques.
1.	Recycle alumina dust collected in ESPs installed in calciner.
1.	Design the pot roofs with louvers and roof ventilators
Air Quality Monitoring and Preservation in case of DI Pipe	
1.	Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm ³ . f. ETP with recycling facility shall be included.
Air Quality Monitoring and Preservation in case of BOF	
1.	Basic Oxygen Furnace (BOF) gas shall be cleaned dry
Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
1.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
1.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
1.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
1.	Tyre washing facilities shall be provided at the entrance of the plant gates.
1.	Water meters shall be provided at the inlet to all unit processes in the steel plants.

1.	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
1.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
1.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
1.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
Water Quality Monitoring and Preservation in case of Rolling Mills	
1.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time. (in case of rolling mills)
1.	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF. (in case of cold rolling mills)
Water Quality Monitoring and Preservation in case of Aluminium Shelter	
1.	Reduce water consumption in bauxite beneficiation and alumina refinery by concentrating the solids in the tailings.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
1.	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.
Energy Conservation Measures	
1.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
1.	Restrict Gas flaring to < 1%.
1.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
1.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Reheating Furnace	
1.	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
1.	Practice hot charging of slabs and billets/blooms as far as possible.

1.	Ensure installation of regenerative type burners on all reheating furnaces
Energy Conservation Measures in case of Blast Furnace	
1.	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
Energy Conservation Measures in case of DRI Kilns (Sponge Iron)	
1.	The project proponent shall provide waste heat recovery system on the DRI Kilns.
1.	The dolochar generated shall be used for power generation.
1.	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
1.	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
1.	Kitchen waste shall be composted or converted to biogas for further use.
1.	Used refractories shall be recycled as far as possible.
1.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
1.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
1.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
1.	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
Waste Management in case of Sinter Plant	
1.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
1.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be

	installed.
1.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
Waste Management in case of Aluminium Smelter/ Aluminium Refinery	
1.	A plan for 100 % utilisation of red mud generated shall be implemented. Under the Plan, MOU with shall be signed with potential buyers including cement companies for supply of red mud.
1.	The red mud generated from the project shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
1.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
1.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
1.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
1.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
1.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC. PP shall adopt nearby villages and prepare and implement a robust plan to develop them into model villages in next 10 years.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
1.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The

	environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
1.	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.
1.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
1.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
1.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
1.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
1.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
1.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
1.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
1.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
1.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
1.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the

	information to public/public domain.
1.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1.	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.

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

Naga Tentul Sand mine by KRISHNA SOM located at BANKURA, WEST BENGAL			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/462204/2024	2N-133/2023(E)	08/02/2024	Mining of minerals (1(a))

3.3.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- The SEAC scrutinized the documents submitted by the PP in the 37th meeting of SEAC, WB (2023-2026) held on 04.05.2024. After careful consideration and detailed, the committee **recommended the proposed project for Environmental Clearance** with the conditions that the following should be submitted along with the six monthly compliance report :-
 1. Monthly monitoring of base flow level at four points of the project should be conducted by installing piezometer and to be reported in the six-monthly compliance report.
 2. Stipulated plantation should preferably be done adjacent to the project. If not possible due to unavailability of suitable land, plantation may be done at other location in the same block. The particular plantation area should be dedicated and marked for the particular project and to be certified by the respective BDO.
 3. Sieve analysis report for grain size distribution should be provided along with six monthly compliance report.
 4. Status of the need-based activities to be reported during six monthly progress report. The entire need-based EMP should be completed within first two years of the project period.
 5. Transportation plan should be provided in six monthly compliance report.
 6. Basic amenities, safety and occupational health examinations for labourers to be provided along with six monthly compliance reports.
 7. 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. Geotagged photographs of actual plantation done to be submitted along with six monthly compliance reports. Credible document regarding plantation by the Forest department on behalf of the project proponent should be submitted.
 8. Studies on the biotic components of the river and the impact of sand mining on these components should be submitted.
 9. Bank line monitoring report should be submitted along with the six-monthly progress reports.

Date of SEAC 2 :21/02/2024

Deliberations of SEAC 2 :

- Based on the presentation made by the PP, the committee observed that the major portion of the plot area for the proposed project (as per the geo-coordinates) mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. SEAC noted that there is a **mismatch of plot nos. mentioned in the LoI and that mentioned in the approved ‘Mining Plan with Progressive Mine Closure Plan’.**
- Therefore, the SEAC recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-

- 1) Taking into consideration the replenishment rates reported in the approved DSR for Bankura, both geological and mining reserves for second year (of production) onwards may be re-estimated and the annual production levels may be modified accordingly in the approved Mining Plan.
- 2) Mismatch in plot no. mentioned in the LOI and that mentioned in the approved mining plan should be corrected.
- 3) 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.
- 4) A plan on management and handling of sand during the period of intermediate stock piling should be submitted.
- 5) A Progressive Greenbelt Plan may be prepared. The project being a riverbed project 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.
- 6) 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. Facilities to the primary schools/ anganwari centres are preferred.
- 7) 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.

Therefore, the SEAC recommended that the above documents should be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.3.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The PP made online application vide proposal no. **SIA/WB/MIN/462204/2024** dated **08 February 2024** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B2**" of EIA Notification 2006. SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

The project of **Krishna Som** located is as follows :

S. No.	State	District
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(1.)	West Bengal	Bankura
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The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/MIN/462204/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and decided that the application for Naga Tentul Sand mine over an area of 3.97 ha (9.82 Acres) on river Dwarkeshwar at J.L. No.-131, Plot No.1963(P), 1962(P), 1924, 1926, 1925, 1922, 1921, 1920, 1935(P), 1958(P), 1929(P), 1930, 2644(P), 2697(P), 1816(P) 1815(P), 1824(P), 1825(P), Mouza –Naga Tentul, P.S.-Indus, Dist –Bankura, West Bengal by Krishna Som falling within the DSR potential zone code BNK_DW_IN_33 is accepted with the conditions recommended by SEAC with the following additional conditions :-

- i. The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.**
- ii. The PP shall submit geo-tagged photographs regarding the implementation of CER with actual expenses incurred. The CER and plantation will have to be implemented within first two years of starting of mining operation.**
- iii. The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.**

3.3.4. Recommendation of SEIAA

Approved

3.3.5. Details of Environment Conditions

3.3.5.1. Specific

N/A

3.3.5.2. Standard

1(a)	Mining of minerals
Statutory compliance	
1.	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.	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.
1.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.	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. TThe 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).
1.	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.
1.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.	The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.
1.	Apart from possessing a valid lease the proponent shall obtain all other necessary permissions before commencement of any mining or allied activity at the lease hold area.
Air quality monitoring and mitigation measure	
1.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
1.	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
1.	Transportation of coal, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
1.	Major approach roads shall be black topped and properly maintained.
1.	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.
1.	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
1.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
1.	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
1.	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters.

	Environmental friendly sustainable technology should be implemented for mitigating such parameters.
1.	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
1.	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
1.	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.
1.	The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.
Water quality monitoring and mitigation measures	
1.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.
1.	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
1.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
1.	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
1.	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
1.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
1.	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
1.	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
1.	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop

	effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
1.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
1.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
1.	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
1.	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
1.	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.
Noise and Vibration monitoring and prevention	
1.	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
1.	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.
Mining Plan	
1.	5- Star Rating is mandatory to obtaine certification as per guidelines of Mininstry of Coal
1.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
1.	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
1.	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
1.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
1.	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

1.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
1.	Transportation by Railway Siding shall be developed to avoid transportation by Road
Land Reclamation	
1.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
1.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
1.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
1.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
1.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
1.	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
1.	Native tree species shall be selected and planted over areas affected by subsidence.
1.	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.
Public hearing and Human health issues	
1.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
1.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
1.	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
1.	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
1.	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient

	supply of drinking water for all the persons employed.
1.	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
1.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
1.	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
1.	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
1.	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
1.	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
1.	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
1.	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius
Corporate Environment Responsibility	
1.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
1.	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.
1.	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. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
1.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
1.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority
1.	Needs of the locality shall be assessed and the social part of the EMP shall be undertaken as stipulated by

	<p>MoEF&CC Office Memorandum F. No. 22-65/2017.IA.III dated 30.09.2020. Beneficiary of the social component of EMP should be identified and to be displayed at site. Need based activities for local people is part of the EMP. The project proponent has submitted that 2% of the total project cost will be used towards need based activity (like Health camp and free medicine distribution at nearest Primary School and in local villages as per their requirements, Educational support to poor student especially girls, Provide drinking water facility to nearest Primary School, Solar lights installation, School infrastructure development etc.). The PP shall submit geo-tagged photographs regarding the implementation of need based activities with actual expenses incurred. The need based activities and plantation will have to be implemented within first two years of starting of mining operation. Photographic evidence of the activities and relevant bills/vouchers are to be given in 6 monthly compliance report.</p>
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
1.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
1.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
1.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
1.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
1.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
1.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
1.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
1.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

1.	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.
1.	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
1.	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
1.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
1.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

3.4. Agenda Item No 4:

3.4.1. Details of the proposal

Business cum Mercantile Building by P.C. Chanda & Company Private Limited by P C CHANDA & CO PRIVATE LIMITED located at 24 PARAGANAS SOUTH, WEST BENGAL			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/INFRA2/462256/2024	2N-49/2024(E)	09/02/2024	Building / Construction (8(a))

3.4.2. Deliberations by the committee in previous meetings

<p>Date of SEAC 1 :04/05/2024</p> <p>Deliberations of SEAC 1 :</p> <ul style="list-style-type: none"> The SEAC scrutinized the documents submitted by the PP in the 37th meeting of SEAC, WB (2023-2026) held on 04.05.2024. After careful consideration and detailed deliberation, the committee recommended the proposed project for Environmental Clearance.
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<p>Date of SEAC 2 :28/02/2024</p>
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Deliberations of SEAC 2 :

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations:

Mandatory Documents

1. The plot area mentioning all the dag nos. should be super imposed on a mouza map. Ecological cost of relocating the waterbody should be mentioned. Previous and current plants should be correlated.
2. Waterbody embankment protection plan.

Water and waste water

3. Tertiary treatment including disinfection should be shown in the STP flow diagram.
4. Influence of basement on shallow groundwater flow should be examined.
5. A commitment to construct piezometer with automatic water level monitoring meter should be given.

Building materials and energy consumption

6. PP shall adopt a bird-safe façade treatment with bird-friendly glass solutions that provide the greatest chance for birds to identify the glazing surfaces and avoid collision.
7. Energy consumption: WBECBC (No. 07-PO/O/C-I11/4M-14/2016(Part-1) dated 13th January, 2020) compliance documents and certificate from competent authority should be furnished.
8. All internal, external, and facade lighting shall comply with the latest version of the National Lighting Code.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.4.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/462256/2024** dated **09 February 2024** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification 2006.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance.

PROJECT DETAILS

The project of **M/s. P C Chanda & Co Private Limited** located is as follows :

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

The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/INFRA2/462256/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and decided to ask the PP for a presentation on water body (details including specific dag nos. with respect to relocation of water body, ecological cost of relocation of water body and present status of water body).

3.4.4. Recommendation of SEIAA

Discussed

3.5. Agenda Item No 5:

3.5.1. Details of the proposal

Dhatala Blackstone Mine by UJJWAL MANDAL located at BANKURA, WEST BENGAL			
Proposal For		Mining EC Under 5 Ha	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/457179/2024	2N-47/2024(E)	09/02/2024	Mining of minerals (1(a))

3.5.2. Deliberations by the committee in previous meetings

<p>Date of SEIAA 1 :19/04/2024</p> <p>Deliberations of SEIAA 1 : The proponent made online application vide proposal no. SIA/WB/MIN/457179/2024 dated 09 February 2024 seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. 1(a) Mining of minerals projects under Category "B2" of EIA Notification 2006. SEAC, during its 33rd meeting held on 20.03.2024, recommended the proposed project for Environmental Clearance with additional conditions.</p> <p><u>PROJECT DETAILS</u> The project of Ujjwal Mandal located is as follows :</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>State</th> <th>District</th> </tr> </thead> <tbody> <tr> <td>(1.)</td> <td>West Bengal</td> <td>Bankura</td> </tr> </tbody> </table> <p>The salient features of the project submitted by the project proponent is available at <u>Report</u> under online proposal no. SIA/WB/MIN/457179/2024. SEIAA considered the recommendation of SEAC and decided that the PP along with environmental consultant should be called for presentation of their project particularly safety zone, greenbelt development within the lease area as well as adjoining areas, mine closure plan, land use plan, storage of topsoil and rejects / over burden. PP should also submit detailed estimate of creation of greenbelt.</p>	S. No.	State	District	(1.)	West Bengal	Bankura
S. No.	State	District				
(1.)	West Bengal	Bankura				

<p>Date of SEAC 2 :20/03/2024</p>
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Deliberations of SEAC 2 :

- The SEAC scrutinized the documents submitted by the PP in the 33rd meeting of SEAC, WB (2023-2026) held on 20.03.2024. After careful consideration and detailed deliberation, the committee **recommended the proposed project for Environmental Clearance** with the following additional conditions:
 1. The PP should apply for Consent to Establish and Consent to Operate to WBPCB if they install a stone crusher at the site. Necessary permission / clearances for the crusher should be obtained.
 2. The Proponent shall prepare a dust and noise minimization plan with adequate details. Care should be taken for prevention of occupational health issues of the workers. Amenities like personal protective equipment (PPEs) should be provided for them.
 3. A post closure long-term vegetative stabilisation program should be submitted along with the six monthly compliance report.
 4. Monitoring of PM₁₀, PM_{2.5} and its SiO₂ (free silica) content should be done along with noise levels.
 5. Dust suppression by sprinkling water should be adopted specially after dusty operations like drilling, blasting etc.
 6. Year-wise excavation schedule showing breakup of pay-mineral (black stone) and waste rock may be clearly drawn up and areas may be demarcated for waste dumping. Site for intermediate stockpiling of the mineral may also be clearly demarcated and show in the surface plan.
 7. As far as practicable the waste rock to be produced from the mine may be dumped in the existing pit-void adjacent to/ within the lease hold boundary. Any outside the pit dumping should be temporary in nature. All waste rock dumped outside the pit may be rehandled and backfilled in the mined-out area.
 8. The proponent shall review the Progressive Mine Closure Plan every two years from the date of opening of the mine and shall submit the same to the officer authorised by the State Government in this behalf, for its approval under the West Bengal Minor Mineral Concession Rules, 2016. In the event of the progressive mine closure being not approved, or not deemed to be approved, the mining activities shall be discontinued.
 9. One year prior to the proposed closure of the mine the proponent shall submit a Final Mine Closure Plan to the officer authorised by the State Government in this behalf, for approval under the West Bengal Minor Mineral Concession Rules, 2016.
 10. The project proponent shall ensure that the protective measures contained in the Mine Closure Plan referred to hereinabove including the reclamation and rehabilitation work are carried out in accordance with the approved Mine Closure Plan or with such modifications as are approved by the officer authorised by the State Government in this behalf under the West Bengal Minor Mineral Concession Rules, 2016.
 11. In addition to regular submission of environmental compliance reports as required under the EIA Notification, 2006, the proponent shall submit to the officer authorised by the State Government in this behalf, a yearly report before 1st of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved Mine Closure Plan, and if there is any deviation, reasons thereof.
 12. For the purpose of carrying out mining operation in the area, the proponent shall furnish financial assurance. The amount of financial assurance shall be as laid down in the West Bengal Minor Mineral Concession Rules, 2016. The financial assurance may be in any of the forms referred to in the said Rules.
 13. Effects of blasting to the nearby localities should be examined and remedial plan should be in line with approved mine plan and as per rules of Mine Safety Authority.
 14. Needs of the locality may be assessed and a social part of the EMP should be undertaken as stipulated by MoEF&CC. The activities should be completed within the first two years of the project life. 'Road repair' under need based activities to be provided with justification of its budget in the six-monthly compliance report.

Date of SEAC 3 :21/02/2024

Deliberations of SEAC 3 :

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the approved 'Mining Plan including Mine Closure Plan' **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- **The SEAC noted that land conversion certificate for the whole project has not been submitted and the Mine Plan uploaded not endorsed by the competent authority.**
- However, the SEAC made the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-
 1. Endorsed copy of Mine Plan Including Progressive Mine Closure Plan to be resubmitted.
 2. Land conversion certificate for the entire land of the proposed project should be submitted.
 3. Plan for overburden management should be properly included in the Progressive Mine Closure Plan.
 4. Revised project cost (with basis of calculation) for the project considering the current land valuation.
 5. Traffic management plan.
 6. Impact of explosives on local flora, fauna and ground water.
 7. Need based EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted. Consents from the beneficiaries of the social part of EMP should be furnished.
 8. A Progressive Greenbelt Plan should be submitted. 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.
 9. Plan and section of the mine as given in the approved Mine Plan should be submitted.
 10. Details of occupational health measures to be adopted for the workers employed for the project.
 11. The PP reported that the closed mine will be utilized for irrigation. An undertaking in this regard should be provided that the PP will protect the embankment and provide fencing around the water-filled mine after closure.

Recommendation: The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant. The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.5.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/457179/2024** dated **09 February 2024** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B2**" of EIA Notification 2006. SEAC, during its 33rd meeting held on 20.03.2024, recommended the proposed project for Environmental Clearance with additional conditions.

The proposal was placed before SEIAA in its 38th meeting held on 19.04.2024 and it was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded their reply on 09.05.2024 vide letter no. NIL dated 09.05.2024.

PROJECT DETAILS

The project of **Ujjwal Mandal** located is as follows :

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

The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/MIN/457179/2024** in **PARIVESH Portal**.

SEIAA considered the submission by the pp uploaded on 09.05.2024 and decided to ask the PP for a presentation.

3.5.4. Recommendation of SEIAA

Discussed

3.6. Agenda Item No 6:

3.6.1. Details of the proposal

Rangamati Sand Mine by SUMIT SINGH located at BANKURA, WEST BENGAL			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/457278/2023	2N-246/2023(E)	10/02/2024	Mining of minerals (1(a))

3.6.2. Deliberations by the committee in previous meetings

Date of SEIAA 1 :07/03/2024

Deliberations of SEIAA 1 :

SEIAA observed the following :

1. There is mismatch in the timeline given in ToR and EIA for tree plantation. While in ToR, plantation is required to be completed within first two years of project life, the PP has given a plantation plan of five years in the EIA report.
2. No details of location where the proposed plantation would be done has been mentioned in the EIA report.
3. In the EMP the cost for plantation of proposed 2540 trees has been estimated as Rs.1,00,000. Detailed break up has not been provided.

Therefore, SEIAA decided that the PP should upload the following documents in the PARIVESH portal :

- a) Revised schedule of plantation of 2540 no. of trees in two years.
- b) Details of location where the plantation will be done.
- c) Break up of cost of plantation.

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

Date of SEAC 2 :21/02/2024

Deliberations of SEAC 2 :

- Based on the submission and presentation made by the PP, the committee observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 29th meeting of SEAC held on 21.02.2024 and after careful consideration and detailed deliberation the committee **recommended the proposed project for Environmental Clearance** with the conditions that the following should be submitted along with the six monthly compliance report :-
 1. The revised reserves as per approved DSR should be incorporated in the approved Mine Plan before starting of mining operations. The revised mine plan incorporating the reserves as mentioned above should be submitted to the WBPCB before applying for the Consent to Operate.
 2. Monthly monitoring of base flow level at four points of the project should be conducted by installing piezometer and to be reported in the six monthly compliance report.
 3. Stipulated plantation should preferably be done adjacent to the project. If not possible due to unavailability of suitable land, plantation may be done at other location in the same block. The particular plantation area should be dedicated and marked for the particular project and to be certified by the respective BDO.
 4. Sieve analysis report for grain size distribution should be provided along with six monthly compliance report.
 5. Status of the need-based activities to be reported during six monthly progress report. No plantation will be allowed in need-based EMP since it may be confused with the mandatory plantation. Facilities to the primary schools/ anganwari centres are preferred.
 6. Basic amenities, safety and occupational health examinations for labourers to be provided along with six monthly compliance reports.
 7. 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. Geotagged photographs of actual plantation done to be submitted along with six monthly compliance reports.
 8. Studies on the biotic components of the river and the impact of sand mining on these components should be submitted.
 9. Bank line monitoring report should be submitted along with the six monthly progress reports.

3.6.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/457278/2023** dated **10 February 2024** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B1**" of EIA Notification 2006.

The PP obtained Terms of Reference issued by SEIAA, WB vide No. 1264/EN-T-II-1/259/2023 dated 05.07.2023 against proposal no. SIA/WB/MIN/72783/2022.

SEAC, during its 29th meeting held on 21.02.2024, recommended the proposed project for Environmental Clearance with additional conditions.

The proposal was placed before SEIAA in its 35th meeting held on 07.03.2024 and it was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded their reply on 15.05.2024 vide letter no. NIL dated 06.05.2024.

PROJECT DETAILS

The project of **Sumit Singh** located is as follows :

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

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

SIA/WB/MIN/457278/2023 in PARIVESH Portal.

SEIAA considered the submission by the pp uploaded on 15.05.2024 and decided to ask the PP for a presentation on greenbelt development and EMP.

3.6.4. Recommendation of SEIAA

Discussed

3.7. Agenda Item No 7:

3.7.1. Details of the proposal

Sand Mining Project (MIN_DJ_01) on Mechi River of Dist. Darjeeling by WEST BENGAL MINERAL DEVELOPMENT AND TRADING CORPORATION LIMITED located at DARJEELING, WEST BENGAL

Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/466446/2024	2N-344/2023(E)	19/03/2024	Mining of minerals (1(a))

3.7.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- The SEAC scrutinized the documents submitted by the PP in the 37th meeting of SEAC, WB (2023-2026) held on 04.05.2024. After careful consideration and detailed, the committee **recommended the proposed project for Environmental Clearance** with the conditions that the following should be submitted along with the six monthly compliance report :-
 1. If the proposed project falls within 10 km from the periphery of a National Park/ Sanctuary/ Eco-Sensitive Zone/Protected Area, the PP shall obtain a no objection certificate from the Standing Committee of National Board of Wild Life (NBWL) before commencement of project activity, in compliance to the Hon'ble Supreme Court's order in I.A. No. 460 of 2004.
 2. Monthly monitoring of base flow level at four points of the project should be conducted by installing piezometer and to be reported in the six-monthly compliance report.
 3. Stipulated plantation should preferably be done adjacent to the project. If not possible due to unavailability of suitable land, plantation may be done at other location in the same block. The particular plantation area should be dedicated and marked for the particular project and to be certified by the respective BDO.
 4. Sieve analysis report for grain size distribution should be provided along with six monthly compliance report.
 5. Status of the need-based activities to be reported during six monthly progress report. The entire need-based EMP should be completed within first two years of the project period.
 6. Transportation plan should be provided in six monthly compliance report.
 7. Basic amenities, safety and occupational health examinations for labourers to be provided along with six monthly compliance reports.
 8. 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. Geotagged photographs of actual plantation done to be submitted along with six monthly compliance reports. Credible document regarding plantation by the Forest department on behalf of the project proponent should be submitted.
 9. The project cost may include the auction bid value, estimated royalty to be paid, cost of any infrastructure built like office space, stockyard, etc. The calculation/documents to estimate the project cost should be submitted. The planned expenditure for components like need-based activities may be derived based on the project cost. Proper documents should be submitted along with the six-monthly compliance report.
 10. Studies on the biotic components of the river and the impact of sand mining on these components should be submitted.
 11. Bank line monitoring report should be submitted along with the six-monthly progress reports.

Date of SEAC 2 :03/04/2024

Deliberations of SEAC 2 :

- Based on the submission and presentation made by the PP, the committee observed that the plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Darjeeling district.
- The SEAC scrutinized the documents submitted by the PP in the 34th meeting of SEAC, WB (2023-2026) held on 03.04.2024 and after careful consideration and detailed deliberation the committee observed that the **PP has not submitted proper EIA report covering all the points mentioned in the ToR.**
- Therefore, the PP is requested to submit revised EIA report for the project.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.7.3. Deliberations by the SEIAA in current meetings

The proponent made online application vide proposal no. **SIA/WB/MIN/466446/2024** dated **19 March 2024** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B1**" of EIA Notification 2006.

The PP obtained ToR vide no. 1423/EN/T-II-1/333/2023 on 26.07.2023 issued by SEIAA, WB against proposal no. SIA/WB/MIN/422496/2023.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

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

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

The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/MIN/466446/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and decided that the application for Sand Mining Project (MIN_DJ_01) over an area of 7.31 ha (18.06 acres) on the Mechi River at Plot No. 1(P), 8(P), 9(P), 10(P), 11(P) & 15(P), JL No. 5, Mouza – Antaram, PS – Khoribari, Dist. Darjeeling, West Bengal by M/s. West Bengal Mineral Development and Trading Corporation Limited falling within the DSR potential zone code DR_KB_MC_29 is accepted with the conditions recommended by SEAC with the following additional conditions :-

- i. The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.**
- ii. The PP shall submit geo-tagged photographs regarding the implementation of CER with actual expenses incurred. The CER and plantation will have to be implemented within first two years of starting of mining operation.**
- iii. The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.**

3.7.4. Recommendation of SEIAA

Approved

3.7.5. Details of Environment Conditions

3.7.5.1. Specific

N/A

3.7.5.2. Standard

1(a)	Mining of minerals
Statutory compliance	
1.	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts,

	NGT and any other Court of Law, from time to time, and as applicable to the project
1.	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.
1.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.	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).
1.	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.
1.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.	The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.
1.	Apart from possessing a valid lease the proponent shall obtain all other necessary permissions before commencement of any mining or allied activity at the lease hold area.
Air quality monitoring and mitigation measure	
1.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
1.	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
1.	Transportation of coal, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
1.	Major approach roads shall be black topped and properly maintained.
1.	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek

	its maintenance.
1.	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
1.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
1.	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
1.	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.
1.	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
1.	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
1.	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.
1.	The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.
Water quality monitoring and mitigation measures	
1.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.
1.	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
1.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
1.	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
1.	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
1.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed

	along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
1.	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
1.	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
1.	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
1.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
1.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
1.	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
1.	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
1.	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.
Noise and Vibration monitoring and prevention	
1.	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
1.	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.
Mining Plan	
1.	5- Star Rating is mandatory to obtaine certification as per guidelines of Mininstry of Coal

1.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
1.	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
1.	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
1.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
1.	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
1.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
1.	Transportation by Railway Siding shall be developed to avoid transportation by Road
Land Recalculation	
1.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
1.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
1.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
1.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
1.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
1.	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
1.	Native tree species shall be selected and planted over areas affected by subsidence.
1.	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.
Public hearing and Human health issues	

1.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
1.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
1.	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
1.	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
1.	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
1.	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
1.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
1.	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
1.	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
1.	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
1.	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
1.	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
1.	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius
Corporate Environment Responsibility	
1.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
1.	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.
1.	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. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
1.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
1.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority
1.	Needs of the locality shall be assessed and the social part of the EMP shall be undertaken as stipulated by MoEF&CC Office Memorandum F.No. 22-65/2017.IA.III dated 30.09.2020. Beneficiary of the social component of EMP should be identified and to be displayed at site. The project proponent has given a commitment vide Memo No. MDTC/SAND/003/Part-1/1177 dated 10.05.2023 that expenses upto 2% of the total project cost will be used towards need based activities (like Infrastructure development, Drinking water facility, Electricity development including solar projects, Roads and drains, Creation of water body for community use, Solid Waste Management System and Scientific Studies, Skill Development Programs, Embankment Protection etc.) and all such expenditure would be made in due consultation with the District Authorities. The PP shall submit geo-tagged photographs regarding the implementation of need based activities with actual expenses incurred. The need based activities and plantation will have to be implemented within first two years of starting of mining operation. Photographic evidence of the activities and relevant bills/vouchers are to be given in 6 monthly compliance report.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
1.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
1.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
1.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
1.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
1.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
1.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
1.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal

	Committee.
1.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1.	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.
1.	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
1.	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
1.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
1.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

3.8. Agenda Item No 8:

3.8.1. Details of the proposal

Re-Rolling Mill Steel Plant located at R.S. & L.R. Plot No. 2849, 2861, 2862/3380, Mouza-Mondalpur, J.L No. 37 at Jamuria Industrial Estate, Local P.S. Jamuria, P.O.- Mondalpur, District-Paschim Bardhaman, State- West Bengal by M/s Mechfast Engineering Private Limited by MECHFAST ENGINEERING PRIVATE LIMITED located at PASCHIM BARDHAMAN, WEST BENGAL			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/IND1/469938/2024	2N-479/2023(E)	19/04/2024	Metallurgical Industries (ferrous and non ferrous) (3(a))

3.8.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- Based on the application made, documents uploaded / submitted by the PP/Consultant, the SEAC observed that according to the Notification S.O. 3372(E) dated 26.07.2023 issued by MoEF&CC, the application for the grant of ToR shall be made within a period of one year and six months from 20th July, 2022. However, the PP has applied in the PARIVESH portal only on 19.04.2024 which falls outside the cutoff date. Hence, the SEAC decided that the **present ToR proposal for regularization of Rolling Mill may be rejected.**

3.8.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/IND1/469938/2024** dated **19 April 2024** seeking Terms of Reference under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **3(a) Metallurgical Industries (ferrous and non ferrous)** projects under Category "**B1**" of EIA Notification 2006.

Based on the application made, documents uploaded / submitted by the PP/Consultant, the SEAC during its 37th meeting held on 04.05.2024, observed that according to the Notification S.O. 3372(E) dated 26.07.2023 issued by MoEF&CC, the application for the grant of ToR shall be made within a period of one year and six months from 20th July, 2022. However, the PP has applied in the PARIVESH portal only on 19.04.2024 which falls outside the cutoff date. Hence, the SEAC decided that the present ToR proposal for regularization of Rolling Mill may be rejected.

PROJECT DETAILS

The project of **M/s. Mechfast Engineering Pvt. Ltd** located is as follows :

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

The salient features of the project submitted by the project proponent are available under online proposal no. **SIA/WB/IND1/469938/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and accepted the same.

3.8.4. Recommendation of SEIAA

Reject

3.9. Agenda Item No 9:

3.9.1. Details of the proposal

River bed Sand mining (BLOCK ID – MIN_BNK_02) on Damodar River by WEST BENGAL MINERAL DEVELOPMENT AND TRADING CORPORATION LIMITED located at BANKURA, WEST BENGAL

Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/470585/2024	2N-365/2023(E)	25/04/2024	Mining of minerals (1(a))

3.9.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the approved Mining Plan with Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 37th meeting of SEAC, WB held on 04.05.2024 and after careful consideration and detailed deliberation the committee **recommended the proposed project for Environmental Clearance** with the conditions that the following should be submitted along with the six monthly compliance report :-
 1. Monthly monitoring of base flow level at four points of the project should be conducted by installing piezometer and to be reported in the six monthly compliance report.
 2. Stipulated plantation should preferably be done adjacent to the project. If not possible due to unavailability of suitable land, plantation may be done at other location in the same block. The particular plantation area should be dedicated and marked for the particular project and to be certified by the respective BDO.
 3. Sieve analysis report for grain size distribution should be provided along with six monthly compliance report.
 4. Status of the need-based activities to be reported during six monthly progress report. The entire need-based EMP should be completed within first two years of the project period.
 5. Transportation plan should be provided in six monthly compliance report.
 6. Basic amenities, safety and occupational health examinations for labourers to be provided along with six monthly compliance reports.
 7. 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. Geotagged photographs of actual plantation done to be submitted along with six monthly compliance reports. Credible document regarding plantation by the Forest department on behalf of the project proponent should be submitted.
 8. Studies on the biotic components of the river and the impact of sand mining on these components should be submitted.
 9. Bank line monitoring report should be submitted along with the six-monthly progress reports.

3.9.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/MIN/470585/2024** dated **25 April 2024** along with copies of EIA/EMP seeking Environmental Clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **1(a) Mining of minerals** projects under Category "**B1**" of EIA Notification 2006.

The project obtained ToR issued by SEIAA, WB vide No. 2180/EN/T-II-1/356/2023 dated 13.09.2023 against proposal no. SIA/WB/MIN/424789/2023.

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

The project of **West Bengal Mineral Development and Trading Corporation Limited** located is as follows :

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

The salient features of the project submitted by the project proponent is available under online proposal no. **SIA/WB/MIN/470585/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and decided that the application for Riverbed Sand Mining (MIN_BNK_02) over an area of 14.14 ha (34.95 Acres) on the Damodar River at JL No-36, Plot No- 657, Mouza - Mejia, Gopalganja & Telengana, P.S.- Mejia, Block- Mejia, District-Bankura, West Bengal by M/s. West Bengal Mineral Development and Trading Corporation Limited falling within the DSR potential zone code BNK_DA_MJ_11,12,13,14 is accepted with the conditions recommended by SEAC with the following additional conditions :-

- i. The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.
- ii. The PP shall submit geo-tagged photographs regarding the implementation of CER with actual expenses incurred. The CER and plantation will have to be implemented within first two years of starting of mining operation.
- iii. The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.

3.9.4. Recommendation of SEIAA

Approved

3.9.5. Details of Environment Conditions

3.9.5.1. Specific

General Conditions

1.
 1. In case the mining area or a part thereof is private land not owned by the Project Proponent (PP), then a written permission should be obtained regarding consent of the land owner(s) concerned for carrying out the mining operation before commencement of any mining activity.
 2. The PP shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing, if held.
 3. **Apart from possessing a valid lease the proponent shall obtain all other necessary permissions before commencement of any mining or allied activity at the lease hold area.**
 4. The directions given by the Hon'ble Supreme Court of India vide order dated 27.02.2012 in Deepak Kumar case [SLP(C) Nos. 19628-19629 of 2009] and order dated 05.08.2013 of the Hon'ble National Green Tribunal in application No. 171/2013 must be followed strictly.
 5. It shall be the responsibility of the PP to abide by and to comply with all the provisions made and restrictions imposed, — particularly those regarding environment management practices, by and under the West Bengal Sand (Mining, Transportation, Storage and Sale) Rules, 2021 and the West Bengal Minor Minerals Concession Rules, 2016, failing which the EC shall be liable to be cancelled.
 6. The EC is granted on the condition that the lease area falls under the potential sand mining area earmarked in the District Level Survey Report (DSR). Mining shall be done only in an area/ stretch which has been identified in the DSR as well as in the approved Mining Plan.
 7. **No river bed mining shall be allowed beneath 3 meters of the river bed.**
 8. The depth of mining in riverbed shall also not exceed one meter above groundwater (base flow) level.
 9. **No River sand mining shall be carried out in monsoon season, as declared by the concerned District Authority.**
 10. The PP shall submit Annual Replenishment Report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased accordingly.
 11. If the lease hold area is located in hilly terrain, it is to be ensured by the PP that the mine working depth is limited to 1.0 metre below the riverbed level.
 12. In case the lease area, or a part of it, falls in the river flood plain^[1], a buffer of three metre to be left from the river bank for mining. (non river-bed sand mining)
 13. In case the lease area, or a part of it, is an agricultural field, a buffer of three metre land shall be left between the mine boundary and the adjacent field. (non river-bed sand mining)
 14. Mining shall be done in layers of not more than 1 metre depth to avoid ponding effect and only after

the first layer is excavated, the process will be repeated for the second layer and so on.

15. The PP shall get the baseflow and groundwater level (water table) monitored on monthly basis. The water level should be referenced to both the 'mean sea level' and the 'local ground level'. During sand mining operations, a network of existing wells shall be established around the sand mining area and piezometers shall be installed at all sand quarry sites. A minimum of four piezometers shall be installed in the no-mining zone around the sand quarrying area. Monitoring of groundwater quality in the vicinity (one km radius from the sand quarrying site) shall be carried out once in every two months. Same shall be submitted with six monthly compliance report.

16. Any area falling within 7.5 metre or 12.5% of the river width, whichever is more, from the river bank (towards the channel) will be left intact as no mining zone.

Subject to above the PP shall identify the central 3/4 part of river on map where there is a deposition of sand and remaining 1/4 part shall be left intact as no mining zone for the protection of the bank.

17. No stream shall be diverted for the purpose of sand mining. No natural water course and/ or water resources shall be obstructed due to mining operations.

18. No blasting shall be resorted to in river bed sand/ gravel mining and no blasting operation shall be carried out without permission at any other place.

19. Irrespective of the location, thickness of sand deposition, agricultural land/ riverbed, the method of mining shall conform to the orders / directions passed by any Court of Law / Tribunal time to time and in compliance with the Sustainable Sand Mining Guidelines 2016 and the Enforcement & Monitoring Guidelines for Sand Mining, 2020.

20. Mining shall begin only after pucca pillars marking the boundary of lease area are erected at the cost of the lease holder at every corner of the lease-hold area. Only after certification in this regard with the geo coordinates of the corner pillars is issued by the district mining officials, mining can commence. The geo coordinates of the corner pillars shall be made available to the District Level Committee.

21. The top soil in case of surface land mining shall be stored temporarily in an earmarked site and shall be, as far as practicable, concurrently used for land reclamation. {non river bed sand mining }

22. The EC holder shall keep a correct account of quantity of sand mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This shall be produced before officers of the Central Government and/ or the State Government for inspection.

23. Noise arising out of mining and processing unit(s) shall be abated and controlled at source to keep noise level within permissible limit.

24. No sand mining activity shall be carried out between dusk to dawn, or as permitted by the local authority.

25. Infrastructure and facilities erected for the mine shall conform to the provisions made for the purpose at the sand ghat designated and demarcated (with geo referencing) and laid out for the purpose by the District administration.

26. In particular the PP shall ensure that the approach road, – from the proposed sand ghat to the sand storage depot, is planned and maintained with prior consent of the local Administration.

27. There shall be a single point of entry and exit point for all vehicles. In case it is necessary to have more than one entry/exit, all such points shall have check points with all digital monitoring facilities as mentioned in the 'Enforcement and Monitoring Guidelines for Sand Mining' (January, 2020) issued by the Ministry of Environment, Forest and Climate Change. All other possible ways of entry /exit shall be closed using barriers. All provisions shall be made to make it impossible for any vehicle to enter or exit without an entry into the computerized system.

28. All such points shall have 24×7 CCTV coverage; the footage of the CCTV coverage shall be submitted to the District Collector by the PP at mutually agreed frequencies (Photographic evidence to be included in 6 monthly compliance report).

29. The PP shall ensure that pollution due to transportation is effectively controlled. The PP shall also ensure regular sprinkling of water.

30. Only potable water may be collected from nearby locality with prior permission of the authority concerned. Water for other purposes shall be taken from the river.

31. It shall be the duty and responsibility of the PP to ensure that air pollution due to dust, exhaust emission or fumes during mining and processing phase are controlled and kept within permissible limits specified under environmental laws.

32. The mineral transportation shall be carried out through covered trucks/ tractors only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used.

33. The mining operations are to be done in a systematic manner so that the operations shall not create a major visual impact on the site.

34. Restoration of flora affected by mining must be done immediately. Five times the number of trees destroyed by mining shall be planted (preferably of indigenous species) and

maintained over the entire lease period.

Irrespective of the above the proponent shall plant and maintain, for the entire lease period, at least five trees per hectare of lease area in areas near the mine.

35. The PP shall ensure that, there is no damage to any fauna and its habitats/ nestings located close to the sand mining site, if any. The PP should receive clearance from the local Biodiversity Management Committee (BMC)[\[2\]](#) of the district concerned in this regard.

36. No felling of trees in or within the precincts of the mine shall be allowed. If a mining lease area, or a part of it, falls within 10 km from the periphery of any National Park/ Sanctuary or an Eco-Sensitive Zone or a Protected Area, no mining or related activity shall be undertaken without first obtaining a no objection certificate from the Standing Committee of National Board of Wild Life (NBWL), in compliance to the Hon'ble Supreme Court's order in I.A. No. 460 of 2004.

37. The PP shall take all necessary protective measures to ensure that no spring sources are affected due to mining activities.

38. Removal, stacking and utilization of top soil in mining area shall be ensured. Where top soil cannot be used concurrently, it shall be stored properly for future use.

39. No overhangs shall be allowed to be formed due to mining and mining shall not be undertaken in areas where landslide is likely to occur due to unfavourable steep angle of slope.

40. No extraction of stone/ boulder/ sand shall be undertaken in landslide prone areas.

41. If clearance of riparian vegetation is to be undertaken it must be done under the supervision and control of an appropriate government authority. It shall be the responsibility of the project proponent to ensure absolute compliance with the relevant provisions of the West Bengal Trees (Protection and Conservation in Non Forest Areas) Act, 2006, and the Rules framed there under.

42. To reduce visual impact of mining the PP shall ensure tidiness.

43. Dumping of waste, if any, shall be done only in earmarked places as approved in the mining plan.

44. No rubbish shall be disposed in the river bed.

45. The PP shall take all possible precautions for the protection of environment and control of pollution.

46. Effluent discharge should be kept to the minimum and it should meet the standards prescribed.

47. No mining shall be undertaken in a mining lease located within 1 km from bridges, highways and railway lines on both upstream and downstream sides, or five times (5x) of the span (x) of bridge, public civil structure (including water intake point) on upstream side and ten times (10 x) the span of such bridge on downstream side, subjected to a minimum of 250 metres on the upstream and 500 metres on the downstream side.

48. Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.

49. Only such vehicles as are having valid fitness and PUC Certificates, shall be used for transportation of sand.

50. The PP shall develop proper junction at takeoff points of approach road with main road, with proper width and geometry required for safe movement of traffic, at his own cost.

51. The PP shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.

52. No stacking shall be allowed on road side along State/ National Highways.

53. Suitable sand depots will be located in the vicinity of the sand quarry site to facilitate the sale of sand. While selecting the site for depots, it must be ensured that the site is within 25 km from the sand quarry site and has an area of around 04–06 ha (10-15 acres) with parking facility and proper entry and exit for smooth movement of the vehicles. The depot site shall preferably be a Government poramboke land[\[3\]](#).

54. The PP shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and shall complete this work before abandonment of mine.

55. Restoration, reclamation and rehabilitation in cluster should be done systematically and jointly by each EC holder in that cluster.

56. The site specific plan for eco-restoration submitted by the proponent along with the EC application shall be properly implemented.

57. Transport of mineral shall not be done through villages/ habitations.

58. The route of mineral transportation vehicle from source to destination shall be tracked through the system using checkpoints, Radio-frequency identification (RFID) tags, and GPS tracking.

59. The PP shall make arrangement for drinking water, first aid facility (along with species specific anti-venom provisioning) in case of emergency for the workers (Photographic evidence to be included in 6 monthly compliance report).

60. The PP shall implement the Disaster Management Plan if the mine lease area is located in Seismic Zone-IV. The Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels.

61. The PP shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project. Personal Health data like BP ECG, chest X-ray, PFT, smoking habits, blood and urine test etc. shall be undertaken once in six months to take necessary remedial/preventive measures. In this regard recommendations of National Institute of Occupational Health (NIOH) / Central Labour Institute (CLI) / All India Institute of Hygiene and Public Health (AIHH&PH) shall be adopted for ensuring good work-environment for mine workers.

62. The PP shall report monitoring data on replenishment, traffic management, levels of production, river-bank erosion, maintenance of roads etc.

63. A year-wise excavation schedule showing the breakup of pay-mineral (sand) and waste (if any) may be clearly drawn up and areas may be demarcated for waste dumping. Site for intermediate stockpiling of the mineral may also be clearly demarcated and shown in the surface plan.

64. The PP shall review the Progressive Mine Closure Plan every two years from the date of opening of the mine and shall submit the same to the officer authorised by the State Government in this behalf, for its approval under the West Bengal Minor Mineral Concession Rules, 2016. In the event of the progressive mine closure being not approved, or not deemed to be approved, the mining activities shall be discontinued.

65. One year prior to the proposed closure of the mine the proponent shall submit a Final Mine Closure Plan for approval under the West Bengal Minor Mineral Concession Rules, 2016, to the officer authorised by the State Government in this behalf.

66. The PP shall ensure that the protective measures contained in the Mine Closure Plan referred to hereinabove including the reclamation and rehabilitation work are carried out in accordance with the approved Mine Closure Plan or with such modifications as are approved by the officer authorised by the State Government in this behalf under the West Bengal Minor Mineral Concession Rules, 2016.

67. In addition to regular submission of environmental compliance reports as required under the EIA Notification, 2006, the PP shall submit to the Officer authorised by the State Government in this behalf, a yearly report before 1st of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved Mine Closure Plan, and if there is any deviation, reasons thereof.

68. For the purpose of carrying out mining operation in the area, the PP shall furnish financial assurance. The amount of financial assurance^[4] shall be as laid down in the West Bengal Minor Mineral Concession Rules, 2016. The financial assurance may be in any of the forms referred to in the said Rules.

69. The PP shall prepare a dust and noise minimization plan with adequate details and shall implement the same.

70. Needs of the locality shall be assessed and the social part of the EMP shall be undertaken as stipulated by MoEF&CC Office Memorandum F. No. 22-65/2017.IA.III dated 30.09.2020. Beneficiary of the social component of EMP should be identified and to be displayed at site. **The project proponent has given a commitment vide Memo No. MDTC/SAND/003/Part-1/1177 dated 10.05.2023 that expenses upto 2% of the total project cost will be used towards need based activities (like Infrastructure development, Drinking water facility, Electricity development including solar projects, Roads and drains, Creation of water body for community use, Solid Waste Management System and Scientific Studies, Skill Development Programs, Embankment Protection etc.) and all such expenditure would be made in due consultation with the District Authorities. The PP shall submit geo-tagged photographs regarding the implementation of need based activities with actual expenses incurred. The need based activities and plantation will have to be implemented within first two years of starting of mining operation. Photographic evidence of the activities and relevant bills/vouchers are to be given in 6 monthly compliance report.**

71. The PP shall ensure that the provisions every relevant Acts, Rules Guidelines etc. shall be complied in both letter and spirit.

72. In particular, the PP shall ensure compliance with the provisions laid down in the following Acts/ Rules/ Guidelines.

- a. The West Bengal Minor Minerals Concession Rules, 2016;
- b. Sustainable Sand Mining Management Guidelines, 2016, issued by the Ministry of Environment, Forest and Climate change, Government of India;
- c. Sand Mining Framework, 2018, issued by the Ministry of Mines, Government of India;
- d. Enforcement & Monitoring Guidelines for Sand Mining, 2020, issued by the Ministry of Environment, Forest and Climate change, Government of India;
- e. The West Bengal Sand Mining Policy, 2021; and,
- f. The West Bengal Sand (Mining, Transportation, Storage and Sale) Rules, 2021.

73. Non-compliance of any of the terms and conditions mentioned hereinabove may lead to cancellation of the environmental clearance granted.

74. The Environmental Clearance is being issued without prejudice to any action initiated under the

Environment (Protection) Act, 1986 or any court case pending in any court of law, and it does not mean that the project proponent has not violated any environmental law in the past, and all future decisions made or directives/ orders/ notifications/ circulars issued under the Environment (Protection) Act, 1986 shall be binding on the Project Proponent. Similarly, all verdicts/ orders of the Hon'ble Court will be binding on the project proponent. Hence, this clearance does not give immunity to the project proponent in the case(s) filed against her/ him, if any, or any action initiated against her/ him under the Environment (Protection) Act, 1986.

75. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under the Environment (Protection) Act, 1986.

76. The validity of this Environmental Clearance will be as provided in the Notification of MoEF&CC vide No. S.O.1807(E) dated 12.04.2022.

77. The EC is granted for the project as proposed. In case any deviation or alteration in the project is contemplated the proponent will apply afresh for Environmental Clearance for the proposed modifications and/ or expansion of the project.

78. The stipulations made under other relevant Acts, - in particular the Wild Life (Protection) Act, 1972, the Water (Prevention and Control of Pollution) Act, 1974, the Forest (Conservation) Act, 1980, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, and the Public Liability Insurance Act, 1991, and the rules and regulations made there under, shall be strictly complied with.

79. The State Government may, in its own discretion, impose such further conditions as it may deem fit, necessary or expedient. All such conditions will have to be complied with.

80. If you are aggrieved by the grant of this Environmental Clearance or by any of the terms and conditions imposed herein, you may, in your own discretion, within a period of thirty days from today, prefer an appeal before the National Green Tribunal (Eastern Zonal Bench, Kolkata), HFXC+VR5, Kadampukur Village, Newtown, New Town, West Bengal 700156, under Section 16 of the National Green Tribunal Act, 2010.

82. Monthly monitoring of base flow level at four points of the project should be conducted by installing piezometer and to be reported in the six monthly compliance report.

83. Stipulated plantation should preferably be done adjacent to the project. If not possible due to unavailability of suitable land, plantation may be done at other location in the same block. The particular plantation area should be dedicated and marked for the particular project and to be certified by the respective BDO.

84. Sieve analysis report for grain size distribution should be provided along with six monthly compliance report.

85. Status of the need-based activities to be reported during six monthly progress report. The entire need-based EMP should be completed within first two years of the project period.

86. Transportation plan should be provided in six monthly compliance report.

87. Basic amenities, safety and occupational health examinations for labourers to be provided along with six monthly compliance reports.

88. To enhance success/ survival rate the plantation shall be done 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 local species and self-sustaining in that particular region. Geotagged photographs of actual plantation done to be submitted along with six monthly compliance reports. Credible document regarding plantation by the Forest department on behalf of the project proponent should be submitted.

89. Studies on the biotic components of the river and the impact of sand mining on these components should be submitted. The study should be done by some reputed institute.

90. Bank line monitoring report should be submitted along with the six-monthly progress reports.

[1] A floodplain Is a generally flat area of land next to a river or stream and it stretches from the banks of the river to the outer edges of the valley

[2] For all local bodies Biodiversity Management Committees (BMCs) of the WB State Biodiversity Board are constituted under Sec. 41(1) of the Biological Diversity Act, 2002

[3] *the land that doesn't fall under the list of revenue records.*

[4] Rupees 15 thousand per hectare of the mining lease area put to use for mining and allied activities or rupees fifty (50)thousand, whichever is higher

3.9.5.2. Standard

1(a)	Mining of minerals
Statutory compliance	
1.	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.	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.
1.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.	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).
1.	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.
1.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.	The validity of EC will be for 5 years. However, the PP may apply for extension of EC with revised mining plan before expiry of 5 years hence.
Air quality monitoring and mitigation measure	
1.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
1.	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
1.	Transportation of coal, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the

	Central/State Pollution Control Board.
1.	Major approach roads shall be black topped and properly maintained.
1.	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.
1.	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
1.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
1.	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
1.	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.
1.	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
1.	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
1.	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.
1.	The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation.
Water quality monitoring and mitigation measures	
1.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.
1.	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
1.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
1.	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.

1.	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
1.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
1.	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
1.	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
1.	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
1.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
1.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
1.	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
1.	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
1.	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.

Noise and Vibration monitoring and prevention

1.	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
1.	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

Mining Plan	
1.	5- Star Rating is mandatory to obtaine certification as per guidelines of Mininstry of Coal
1.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
1.	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
1.	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
1.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
1.	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
1.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
1.	Tranportation by Railway Siding shall be developed to avoid transportation by Road
Land Recalvation	
1.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
1.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
1.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
1.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
1.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
1.	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
1.	Native tree species shall be selected and planted over areas affected by subsidence.
1.	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in

	consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.
Public hearing and Human health issues	
1.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
1.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
1.	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
1.	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
1.	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
1.	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
1.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
1.	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
1.	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
1.	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
1.	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
1.	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
1.	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius
Corporate Environment Responsibility	
1.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.

1.	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.
1.	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. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
1.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
1.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority
1.	Needs of the locality shall be assessed and the social part of the EMP shall be undertaken as stipulated by MoEF&CC Office Memorandum F.No. 22-65/2017.IA.III dated 30.09.2020. Beneficiary of the social component of EMP should be identified and to be displayed at site. The project proponent has given a commitment vide Memo No. MDTC/SAND/003/Part-1/1177(iv) dated 10.05.2023 that expenses upto 2% of the total project cost will be used towards need based activities (like Infrastructure development, Drinking water facility, Electricity development including solar projects, Roads and drains, Creation of water body for community use, Solid Waste Management System and Scientific Studies, Skill Development Programs, Embankment Protection etc.) and all such expenditure would be made in due consultation with the District Authorities. The PP shall submit geo-tagged photographs regarding the implementation of need based activities with actual expenses incurred. The need based activities and plantation will have to be implemented within first two years of starting of mining operation. Photographic evidence of the activities and relevant bills/vouchers are to be given in 6 monthly compliance report.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
1.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
1.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
1.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
1.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
1.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
1.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the

	State Government.
1.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
1.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1.	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.
1.	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
1.	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
1.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
1.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

3.10. Agenda Item No 10:

3.10.1. Details of the proposal

Environmental Clearance for Proposed Expansion of Residential Complex ‘THE 42’ By addition of the Tower “The 42@Middleton” at Premises no: 42B Chowringhee Road, P.S.- Shakespeare Sarani, Word No.-063, Borough No.-07, Kolkata-700071, West Bengal by CHOWRINGHEE RESIDENCY PRIVATE LIMITED located at KOL KATA, WEST BENGAL			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity

			(Schedule Item)
SIA/WB/INFRA2/470912/2024	2N-12/2009(E)-Pt-I	29/04/2024	Building / Construction (8(a))

3.10.2. Deliberations by the committee in previous meetings

Date of SEAC 1 :04/05/2024

Deliberations of SEAC 1 :

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the committee **recommended the proposed project for Environmental Clearance** with the following additional conditions :

1. The PP should comply with the provisions of the rainwater harvesting measures as mentioned in the Notification issued by SEIAA, WB vide No. 2495/EN/T-II-1/011/2018 dated 17.12.2019. 16 more recharge wells should be constructed; the recharge wells should be distributed and should be at staggered depths as far as possible. Effect of such recharge should be studied with piezometer provided with automatic water level recorder and the data should be displayed on the digital display board to show the actual recharging scenario. Design and litholog of recharge wells and piezometer to be submitted with compliance report.
2. A report on impact of basement on shallow groundwater should be submitted along with the compliance report.
3. First flush diverter (automatic) should be installed in RWH system.
4. The PP should plant trees in accordance with the DFO approved plantation plan.
5. The retained trees should be protected from mechanical injury and soil compaction during construction activities by providing a physical barrier around the trees. Trenching for underground utilities should avoid tree roots and be routed around trees to prevent severing of roots and damage to the tree.
6. Top soil in the project area shall be conserved and reused on completion of construction to the maximum extent possible, in compliance with section 12.8.4, Part 11, NBC 2016.
7. The PP should submit six monthly compliance reports of the EC conditions.
8. The PP should submit evidence of the need-based activities as per the Office Memorandum of MoEF& CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 along with the six monthly compliance reports. Balance sheet for the entire activities should also be submitted.

Evidences for the need-based activities performed for the previous phase (The 42) should be separately furnished from those of THE 42@Middleton.
9. Water for construction must be arranged from the treated wastewater of the STP of the completed building.

Water efficient plumbing fixtures and fittings should be installed.
10. Condensate from the ACs should be routed to the recharge wells as far as possible.
11. External lighting design of the landscaped areas and building facade should be in compliance with section 7.5, Part 11, NBC 2016 and the National Lighting Code 2010.
12. Compliance of the CCR observations should be submitted along with six monthly compliance report.
13. Solar net metering documents to be submitted in the six monthly compliance report.

3.10.3. Deliberations by the SEIAA in current meetings

INTRODUCTION

The proponent made online application vide proposal no. **SIA/WB/INFRA2/470912/2024** dated **29 April 2024** seeking Environmental Clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proponent applied under SL. No. **8(a) Building / Construction** projects under Category "**B2**" of EIA Notification

2006.

Earlier, the PP obtained the first EC vide no. EN/2087/T-II-1/063/2013 on 19.08.2014 for Residential Complex having 57 flats (1 block of G+58+2 refuge floors, Heritage building G+2 storied and 1 block of 2B+G+7 storied MLCP and resident activity centre).

The PP had obtained EC vide no. 582/EN/T-II-1/092/2018 Dated 25/03/2021 for Tower 1 having configuration of G+61+3 refuge floors and one mezzanine floors at 7.7 m level and a MLCP block having configuration 2B+G+5, consisting of total Built-up area 59431.924 sqm. The existing development has been granted Completion Certificate by KMC (vide completion case no 2021070001 dated 26.04.2021).

SEAC, during its 37th meeting held on 04.05.2024, recommended the proposed project for Environmental Clearance with additional conditions.

PROJECT DETAILS

The project of **Chowringhee Residency Private Limited** located is as follows :

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

The salient features of the project submitted by the project proponent are available under online proposal no. **SIA/WB/INFRA2/470912/2024** in PARIVESH Portal.

SEIAA considered the recommendation of SEAC and observed the following:-

- 1. PP has submitted CCR from WBPCB against EC vide no. 582/EN/T-II-1/092/2018 dated 25/03/2021. Since the PP was supposed to get CCR from IRO, MoEF&CC, PP has to provide documentary evidence that they had previously applied to IRO for CCR and had not obtained it within the stipulated period.**
- 2. It is observed from the CCR from WBPCB that a number of EC condition has not been complied or partially complied. PP is required to comply with all the conditions and submit compliance report to SEIAA.**

3.10.4. Recommendation of SEIAA

Deferred for ADS

4. Any Other Item(s)

N/A

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Shri Dharmdeo Rai IFS	Member Secretary, SEIAA	env*****@gmail.com	
2	Dr Ashit Kumar Mukherjee	Chairman, SEIAA	ash*****@yahoo.com	
3	Dr Nilangshu Bhusan Basu	SEIAA Member	nb.*****@gmail.com	

Signature Not Verified

Digitally Signed by : Shri Dharmdeo Rai
IFS
Member Secretary, SEIAA

Date: 05/06/2024