

State Expert Appraisal Committee, Bihar

Ref. No- 151.

Patna- 23, Date- 07/08/2018.

To,

1. ShriMurarijee Mishra  
Vijay Nagar, Near Temple,  
Rukunpura, Patna - 800014.
2. Dr. Samir Kumar Sinha,  
Wildlife Trust of India,  
F-13, Sector - 8, Noida,  
Uttar Pradesh - 201301.
3. Dr. Amar Nath Verma,  
10192 ATS Advantage, AhinshaKhand - 1,  
Near Habitat Centre, Indirapuram,  
Ghaziabad - 201014.
4. Dr. Shardendu,  
Department of Botany,  
Patna Science College, Patna.
5. Shri Vijay Kumar Sinha, IFS (Retd.)  
Prasad Bhawan, R. K. Path,  
Pirmohani, Kadamkuan, Patna - 800 003.
6. Dr. Birendra Prasad.  
Department of Botany,  
Patna University,  
Patna - 800 005
7. Dr. Sudhanshu Kumar.  
C - 4/1401, Puri Pranayama  
Sector 82 & 85, Faridabad - 121 007 (Haryana)
8. Dr. ChandanBhar.  
Professor, Department of Management Studies,  
Indian Institute of Technology (Indian School of Mines),  
Dhanbad - 826 004 (Jharkhand)

9. Dr. Ram Madhab Bhattacharjee  
Professor, Department of Management Studies,  
Indian Institute of Technology (Indian School of Mines),  
Dhanbad - 826 004 (Jharkhand)
10. Dr. Rakesh Kumar Singh  
G - 600, 12th Street, GAMA - II, Greater Noida (UP) - 201 310
11. Dr. Dilip Kumar Paul,  
Assistant Professor & Course Coordinator, M.Sc.  
Environment Science & Management, Post Graduation Department of Zoology,  
Patna University, Patna, Bihar - 800 005

Sub :- Proceedings of meeting of State level Expert Appraisal Committee held on 28.07.2018

Sir,

Please find enclosed herewith proceedings of the State Expert Appraisal Committee (SEAC) held on 28<sup>th</sup> July, 2018 in the meeting hall of SEIAA, Bihar, Patna.

Sincerely Yours



(Alok Kumar)

**Member Secretary  
SEAC, Bihar**

Copy to:- The chairman & Member Secretary, SEIAA, Bihar

Proceedings of the State Expert Appraisal Committee (SEAC) meeting dated 28<sup>th</sup> July, 2018

A meeting of SEAC was held in the meeting hall of SEIAA, Bihar, 2<sup>nd</sup> Floor, Beltron Bhawan, Shastri Nagar, Patna- 28<sup>th</sup> July, 2018 presided over by the Chairman, SEAC. The following members of the committee were present in the meeting:

1. Dr. Samir Kumar Sinha, Member, SEAC
2. Dr. Amar Nath Verma, Member, SEAC
3. Dr. Shardendu, Member, SEAC
4. Shri Vijay Kumar Sinha, Member, SEAC
5. Dr. Birendra Prasad, Member, SEAC
6. Dr. Sudhanshu Kumar, Member, SEAC
7. Dr. Dilip Kumar Paul, Member, SEAC
8. Sri Alok Kumar, Member Secretary, SEAC

The records of the projects included in the agenda were put up before the committee by supporting staffs/officers for necessary appraisal. The Project Proponent and Consultants gave presentation in respect of their proposals.

The committee discussed the proposals on agenda and made following observations/recommendations for various projects.

1. **Balajee Mini Steels and Rerolling Pvt. Ltd, Unit 2 (Existing 29250 TPA and Proposed 29250 TPA MS INGOT PRODUCTION), Village:-Mahadeopur Phulhari, Tehsil:- Bihta, District:- Patna, State:- Bihar. Proposed Capacity:- Existing:- 29250 TPA, Proposed:- 29250 TPA, Total:- 58500 TPA (Proposal No. - SIA/3(a)/429/17). Online Proposal No.:-SIA/BR/IND/18154/2017).**

Balajee Mini Steels and Rerolling Pvt. Ltd, Unit 2 Induction Division (BMSRPL Unit - 2), is situated at Mahadeopur Phulhari, Bihta at District Patna, Bihar having Latitude 25° 34' 42.52" N & Longitude 84° 51' 57.31" E at 51 meter above MSL near NH - 30. It is about 20 kms. from district head quarter Patna and is well connected by NH - 30 and rail with rest of the country. BMSRPL Unit - 2 is about 2 km (s) from Bihta Railway Station on Howrah - Delhi Main Line Sec. of ECR. Total Plant area is 5.49 Acres. Total area of 7,324.81 M<sup>2</sup> area (33% of total plot area 5.49 acres) is being utilized as green belt & plantation as mentioned in project proposal. The total project cost is INR 393 Lakhs.

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Present & Proposed Manufacturing Details as contained in project proposal are summarized below:-

Manufacturing Facilities	Product	Existing capacity	Proposed Expansion	TOTAL Capacity
Induction Furnace	MS Ingot/Billet	29250 MT/Annum	29250 MT/Annum	58500 MT/Annum
Re-rolling Mill Furnace	TMT Bars/Rods	60000 MT/Annum	Not Applicable	60000 MT/Annum

An application along with filled up 'Form - I' and pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 23.01.2017 for obtaining approved Terms of Reference (ToR). The proposal was considered by the SEAC in its meeting held on 28<sup>th</sup> & 29<sup>th</sup> January, 2017 to determine the ToR for preparation of EIA/EMP Report. The SEIAA issued ToR vide Ref. No. 537 dated 16.02.2017 and public hearing for the proposed expansion project was conducted on 26.08.2017.

Earlier, in the meeting dated 19-05-2018, the committee had directed the project proponent to submit revised plan and certain documents which has been complied with.

The committee considered the above mentioned compliance and the proposal is recommended for necessary Environmental Clearance, (as Annexure - I).

- ShivShiva Steel Pvt Ltd. (Expansion Project), Mauja - Rajpura, Tehsil:-Fatuha, District:- Patna, State:- Bihar, Pin:- 803 201. Expansion of existing 30,000 TPA Re-rolling mill for additional production of 1,20,000 TPA TMT TOR/Bar/Rod by installation of 30 Ton Rolling Mill Furnace (Proposal No. - SIA/3(a)/448/17). Online Proposal No.:-SIA/BR/IND/18661/2017).**

ShivShiva Steel Pvt Ltd. (SSPL), is situated at village - Raipura, Fatuha, District - Patna, Bihar having Latitude 25° 30' 11.52" N & Longitude 85° 19' 35.10" E at 51 meter above MSL. It is about 25 kms. from district head quarter Patna and is well connected by NH - 30 and rail with rest of the country. SSPL is about 3 km (East) from Fatuha Railway Station on Howrah - Delhi Main Line Sec. of ECR. SSPL has obtained Consent to Establish under water Act, 1974 & Air Act, 1981 from BSPCB vide Memo No.- T-2525, Dated - 27.03.2017 for their existing 30,000 TPA rolling mill project. Now, project authorities are willing to go for proposed expansion of Re-rolling Mill by installation of

New 30 Ton Rolling Mill Furnace for additional production of 1,20,000 TPATMT Rod/Bar. SSPL having total land of 3.31 ha (8.81 Acres) on lease hold basis at Mauza- Raipura, 509, 512, 177, 46, 186, 126, 63, 55, Plot No.- 912, 896, 894, 895, 915, 899, 900, 917, 932, 914, 862, 899, 918 as mentioned in project proposal. Total project cost is INR 3,365 Lakhs.

Present & Proposed Manufacturing Details as contained in project proposal are summarized below:-

Manufacturing Facilities	Products	Existing Capacity	Proposed Expansion	Total Capacity after expansion
Re-rolling Mill Furnace	TMT Bars/Rods	30,000 MT/Annum	1,20,000 MT/Annum	1,50,000 MT/Annum

An application along with filled up 'Form - I' and pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 09.03.2017 for obtaining approved Terms of Reference (ToR). The proposal was considered by the SEAC in its meeting held on 24<sup>th</sup> March, 2017 to determine the ToR for preparation of EIA/EMP Report. The SEIAA issued ToR vide Ref. No. 16/SEIAA/17 dated 21.04.2017. Public hearing for the proposed expansion project was conducted on 03.02.2018.

Earlier, in the meeting dated 19-05-2018, the committee had directed the project proponent to submit revised plan and certain documents which has been complied with.

The committee considered the above mentioned compliance and the proposal is recommended for necessary Environmental Clearance, (as Annexure - I).

- J. G. FOUNDRY LTD. (EXPANSION PROJECT), Mauja - Chimochak, P.S.- Didarganj, Tehsil:- Patna Rural, District:- Patna, State:- Bihar. Existing Capacity:- MS Ingot :- 28,800 MT/Annum Proposed Expansion:- MS Billet:- 48,000 MT/Annum, Total Capacity:- MS Billet:- 76,800 MT/Annum (Proposal No. - SIA/3(a)/449/17). Online Proposal No.:-SIA/BR/IND/18806/2017).**

J. G. Foundry Ltd. is situated near Mauza:-Chimochak, P.S.-Didarganj, Thana No. - 41, Khata No. - 2, Khesra No.- 13, 14, & 15, District Patna, Bihar having Latitude 25°



33' 42.78" N & Longitude 84°14' 56.88" East 51 meter above MSL. Total plant having an area 1.17 haas mentioned in project proposal Total project cost is INR 1172.274 Lakhs.

Present & Proposed Manufacturing Details as contained in project proposal are summarized below:-

Manufacturing Facilities	Product	Existing Capacity	Proposed Expansion capacity	Total capacity
Induction furnace	MS Ingot/Billet	28800 MT/Annum	48000 MT/Annum	76800 MT/Annum

An application along with filled up 'Form - I' and pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 17.03.2017 for obtaining approved Terms of Reference (ToR)The proposal was considered by the SEAC in its meeting held on 24<sup>th</sup> March, 2017 to determine the ToR forpreparation of EIA/EMP Report. The SEIAA issued ToR vide Ref. No.14/SEIAA/17 dated 21.04.2017 and Public hearing for the proposed expansion project has been conducted on 17.03.2018.

Earlier, in the meeting dated 19-05-2018, the committee had directed the project proponent to submit revised plan and certain documents which hasbeen complied with.

The committee considered the above mentioned compliance and the proposal is recommended for necessary Environmental Clearance, (as Annexure - I).

4. **Stone Mining including Crushers at Sheikhpura, Village:-Wazidpur&Kare, Anchal:- Sheikhpura, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/525/18). Online Proposal No.:-SIA/BR/MIN/71859/2017).**

Stone Mining including Crushers at Sheikhpura is located at village:- Wazidpur&Kare, Anchal:- Sheikhpura, District:- Sheikhpura of Bihar. The project site having mining lease area is 5.06 ha. Project is located at Khata No.- 10, Plot No.- 2570 (P), 29(P). The project site having Latitude 25° 08' 47.26"N to 25° 08' 57.27"N &Longitude 85° 48' 50.21"E to 85° 49' 00.38" E. The proposed production of the project is 5,86,238TPA. Total cost of the proposed project is Rs. 10,50,00,000/-.

Earlier, in the meeting dated 01-06-2018, the committee had directed the project proponent to submit revised plan and certain documents which hasbeen complied with.

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The committee considered the above mentioned compliance and the proposal is recommended for necessary Environmental Clearance, (as Annexure - II).

**5. Stone Mining project at Village:-Matokhar, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/528/18). Online Proposal No.:-SIA/BR/MIN/70176/2017).**

Stone Mineproject at Sheikhpura is located at village:-Matokhar, Block - Sheikhpura, District:- Sheikhpura of Bihar. The project site having mining lease area is 5.06 ha. Project is located at Block No.- 01, Plot No.- 1030 /P. The project site having Latitude &Longitude of four coordinates of Part A are Corner A - 25° 08' 15.98"N 85° 48' 35.27"E, Corner B - 25° 08' 18.90"N 85° 48' 18.77"E, Corner C - 25° 08' 20.07"N 85° 48' 18.04"E, Corner D - 25° 08' 23.31"N 85° 48' 18.02"E Corner E - 25° 08' 19.53"N 85° 48' 28.77"E and Part B are Corner F - 25° 08' 08.49"N 85° 48' 23.66"E, Corner G - 25° 08' 05.35"N 85° 48' 20.27"E, Corner H - 25° 08' 08.33"N 85° 48' 19.29"E, Corner I - 25° 08' 09.63"N 85° 48' 22.52"E. The proposed production of the project is 5,24,300 cubic meter/annum.

Earlier, in the meeting dated 01-06-2018, the committee had directed the project proponent to submit clarification about consultant whether he is eligible to give presentation before the SEAC. The project proponent and consultant produced/furnished the required documents/clarification from the QCI in this regard.

The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:-

- Proposal of windshield in proposed blasting area and crusher area.
- Disclose source of surface water for dust suppression and other purposes; if use of underground water unavoidable, prior approval of CGWB must be obtained. A declaration to this effect duly signed by project proponent and consultant be submitted.
- Map showing ground water level and yearly strata of mining and depth of mining below ground level as per the norms must be submitted.
- The green cover i.e. minimum 33% of the project area consisting of mixture of indigenous and fast growing species of trees, plants and perennial shrubs must be created and maintained. Plantation of (minimum 5 feet tall plants) must be planted in this rainy season i.e. (year 2018). Plantation along the side of the mining area & roads and in the open

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spaces shall be developed to act as sink for air pollutants. Plantation of preferably evergreen species (trees) to complete the requirement of creation of 33% of green cover and green belt by making necessary agreements in cooperation with the nearby farmers/persons owning lands in surroundings of the mining area be explored. A scaled map showing proposal of plantation in mine lease area and nearby the mine lease area be also submitted.

- Proposal of mist spraying system in the proposed mining project.
- Six monthly monitoring locations for sampling should be demarcated on the basis of windrose.

**6. Stone Mining project at Village:- Chandi, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/529/18). Online Proposal No.:- SIA/BR/MIN/70404/2017).**

Stone Mineproject at Sheikhpura is located at Mauja:-Chandi, Block - Sheikhpura, District:- Sheikhpura of Bihar. The project site having mining lease area is 5.05 ha. Project is located at Block No.- 29, Plot No.- 1810 (P). The project site having Latitude &Longitude of four coordinates of are Corner A - 25° 03' 57.45"N 85° 48' 09.63"E, Corner B - 25° 04' 01.09"N 85° 48' 15.04"E, Corner C - 25° 03' 55.03"N 85° 48' 21.30"E, Corner D - 25° 03' 50.70"N 85° 48' 16.79"E. The proposed production of the project is 11,25,600TPA.Total project cost 2735 lakhs.

Earlier, in the meeting dated 01-06-2018, the committee had directed the project proponent to submit clarification about consultant whether he is eligible to give presentation before the SEAC. The project proponent and consultant produced/furnished the required documents/clarification from the QCI in this regard.

The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:-

- Proposal of windshield in proposed blasting area and crusher area.
- Disclose source of surface water for dust suppression and other purposes; if use of underground water unavoidable, prior approval of CGWB must be obtained. A declaration to this effect duly signed by project proponent and consultant be submitted.

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- Map showing ground water level and yearly strata of mining and depth of mining below ground level as per the norms must be submitted.
- The green cover i.e. minimum 33% of the project area consisting of mixture of indigenous and fast growing species of trees, plants and perennial shrubs must be created and maintained. Plantation of (minimum 5 feet tall plants) must be planted in this rainy season i.e. (year 2018). Plantation along the side of the mining area & roads and in the open spaces shall be developed to act as sink for air pollutants. Plantation of preferably evergreen species (trees) to complete the requirement of creation of 33% of green cover and green belt by making necessary agreements in cooperation with the nearby farmers/persons owning lands in surroundings of the mining area be explored. A scaled map showing proposal of plantation in mine lease area and nearby the mine lease area be also submitted.
- Proposal of mist spraying system in the proposed mining project.
- Six monthly monitoring locations for sampling should be demarcated on the basis of windrose.

**7. Stone Mining project at Village:-Chandi, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/530/18). Online Proposal No.:- SIA/BR/MIN/71034/2017).**

Stone Mineproject at Sheikhpura is located at Village:-Chandi, Block - Sheikhpura, District:- Sheikhpura of Bihar. The project site having mining lease area is 5.06 ha. Project is located at Block No.- 28, Plot No.- 1810 (P). The project site having Latitude & Longitude of four coordinates of are Corner A - 25° 03' 57.30"N 85° 48' 09.33"E, Corner B - 25° 03' 52.37"N 85° 48' 05.30"E, Corner C - 25° 03' 46.09"N 85° 48' 11.71"E, Corner D - 25° 03' 50.34"N 85° 48' 16.46"E. The proposed production of the project is 9,91,200TPA. Total cost of the proposed project is Rs. 9,35,00,000/-.

Earlier, in the meeting dated 01-06-2018, the committee had directed the project proponent to submit clarification about consultant whether he is eligible to give presentation before the SEAC. The project proponent and consultant produced/furnished the required documents/clarification from the QCI in this regard.



The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:-

- Proposal of windshield in proposed blasting area and crusher area.
- Disclose source of surface water for dust suppression and other purposes; if use of underground water unavoidable, prior approval of CGWB must be obtained. A declaration to this effect duly signed by project proponent and consultant be submitted.
- Map showing ground water level and yearly strata of mining and depth of mining below ground level as per the norms must be submitted.
- The green cover i.e. minimum 33% of the project area consisting of mixture of indigenous and fast growing species of trees, plants and perennial shrubs must be created and maintained. Plantation of (minimum 5 feet tall plants) must be planted in this rainy season i.e. (year 2018). Plantation along the side of the mining area & roads and in the open spaces shall be developed to act as sink for air pollutants. Plantation of preferably evergreen species (trees) to complete the requirement of creation of 33% of green cover and green belt by making necessary agreements in cooperation with the nearby farmers/persons owning lands in surroundings of the mining area be explored. A scaled map showing proposal of plantation in mine lease area and nearby the mine lease area be also submitted.
- Proposal of mist spraying system in the proposed mining project.
- Six monthly monitoring locations for sampling should be demarcated on the basis of windrose.

**8. Stone Mining project at Village:- Madurna, Thana:- Bhabua, District:- Kaimur, State:- Bihar (Proposal No. - SIA/1(a)/535/18). Online Proposal No.:- SIA/BR/MIN/75701/2018).(Proponent:- M/s Starnet Marketing Pvt. Ltd.).**

Stone Mineproject at Kaimur is located at Village:-Madurna, Thana - Bhabua, District:- Kaimur of Bihar. The project site having mining lease area is 8.397 ha. Project is located at Khata No.- 167 and Plot No.- 4084 (P). The project site having Latitude &Longitude of eight coordinates of are Corner A - 25° 01'46.80"N 83° 28'57.60"E, Corner B - 25° 01'38.30"N 83°29' 02.70"E, Corner C - 25° 01'36.35"N 83°28'58.94"E,

Corner D - 25° 01' 34.30"N 83°28'52.80"E, Corner E - 25° 01' 35.70"N 83° 28'48.80"E, Corner F - 25° 01' 38.46"N 83° 28' 51.30"E, Corner G - 25° 01' 41.53"N 83° 28' 52.41"E, Corner H - 25° 01' 44.60"N 83° 28' 51.20"E. The proposed production of the project is 4,95,285.12TPA. Total cost of the proposed project is Rs. 14,54,00,000/- The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:-Proposal of windshields in proposed blasting area and crusher area.

- Proposal of windshield in proposed blasting area and crusher area.
- Disclose source of surface water for dust suppression and other purposes; if use of underground water unavoidable, prior approval of CGWB must be obtained. A declaration to this effect duly signed by project proponent and consultant be submitted.
- Map showing ground water level and yearly strata of mining and depth of mining below ground level as per the norms must be submitted.
- The green cover i.e. minimum 33% of the project area consisting of mixture of indigenous and fast growing species of trees, plants and perennial shrubs must be created and maintained. Plantation of (minimum 5 feet tall plants) must be planted in this rainy season i.e. (year 2018). Plantation along the side of the mining area & roads and in the open spaces shall be developed to act as sink for air pollutants. Plantation of preferably evergreen species (trees) to complete the requirement of creation of 33% of green cover and green belt by making necessary agreements in cooperation with the nearby farmers/persons owning lands in surroundings of the mining area be explored. A scaled map showing proposal of plantation in mine lease area and nearby the mine lease area be also submitted.
- Proposal of mist spraying system in the proposed mining project.
- Six monthly monitoring locations for sampling should be demarcated on the basis of windrose.



Sd/-  
(Dr. Shardendu)  
(Member, SEAC)

Sd/-  
(Dr. Samir Kumar Sinha)  
(Member, SEAC)

Sd/-  
(Dr. Amar Nath Verma)  
(Member, SEAC)

Sd/-  
(Shri Vijay Kumar Sinha)  
(Member, SEAC)

Sd/-  
(Dr. Birendra Prasad)  
(Member, SEAC)

Sd/-  
(Dr. Sudhanshu Kumar)  
(Member, SEAC)

Sd/-  
(Dr. Dilip Kumar Paul)  
(Member, SEAC)



(Alok Kumar)  
Member Secretary, SEAC

Sd/-  
(Murarijee Mishra)  
Chairman, SEAC



## **Annexure - I**

### **PART A – SPECIFIC CONDITIONS**

- i. No change of Products or capacity shall be undertaken without prior approval of SEIAA, Bihar/MoEF&CC, Govt. of India.
- ii. Sufficient air pollution control system viz. Fume extraction system with dust collectors, ID Fan and Stack of adequate height (as per CPCB) to furnace shall be provided to control emission as per CPCB norms.
- iii. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.
- iv. The total water requirement shall not exceed as per proposed in EIA report. 'Zero' Effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises.
- v. Mist spraying system for dust suppression.
- vi. Rain water harvesting structures should be provided to recharge the ground water aquifer. Efforts shall be also made to recycle harvested rain water.
- vii. Green belt over 33% of the total project area should be developed and maintained within plant premises with at least 10 m. wide green belt on all sides along the periphery of the project area in downward direction to mitigate the effects of fugitive emissions as per the CPCB guidelines.
- viii. Occupational Health Surveillance of Workers including regular analysis for respiratory and audiometric parameters shall be done on a regular basis and records shall be maintained as per the Factories Act.
- ix. Proper housekeeping shall be maintained within premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act. Better housekeeping practices should be adopted for improvement of the environment within the work environment.
- x. The Project Proponent shall expend 2.5% of the total project cost on Corporate Environment Responsibility (CER) as committed by them.
- xi. Slags (containing iron) generated due to proposed project operation should not be used for land filling. All the generated iron slag shall be used for cement manufacturing or reuse in iron industries.
- xii. Regular Monitoring and analysis of all environmental components viz. Ambient Air Quality, Stack Emission, Noise Level and Ground water should be done and reports should be submitted to BSPCB, Patna / SEIAA, Bihar.
- xiii. Building roof top areas should be used for fixing solar panels to utilize solar energy for lighting etc.

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- xiv. Fixing water sprinklers in plant campus, and use water tanker for sprinkling water on approach road of the plant at least once daily to minimize air pollution due to dust.
- xv. Parking & road will not come up in green belt area.
- xvi. For withdrawal of ground water authorization from C.G.W.B. if applicable.

## **PART B – GENERAL CONDITIONS**

- i. The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.
- ii. Project Proponent should obtain prior Consent to Establish (NOC) under Sec. 25 & 26 of The Water (Prevention & Control of Pollution) Act'1974 and under Sec. 21 of The Air (Prevention & Control of Pollution) Act'1981 from Bihar State Pollution Control Board before start of any construction activities.
- iii. Project Proponent should obtain prior Consent to Operate under Sec. 25 & 26 of the Water (Prevention & Control of Pollution) Act'1974 and under Sec. 21 of The Air (Prevention & Control of Pollution) Act'1981 from State Pollution Control Board before start of production activities.
- iv. Water Meters shall be installed at water intake point and water cess should be submitted to SPCB as per guidelines of E(P) Act.
- v. At least Four Ambient Air Quality Monitoring Stations shall be set up. One in the down wind direction and three where maximum ground level concentration of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>2</sub>, are anticipated in consultation with the Bihar State Pollution Control Board. Data on ambient air quality and stack emission shall be regularly monitored and test reports will be submitted to SEIAA Bihar / BSPCB / once in six months.
- vi. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA ( day time) and 70 dBA ( night time).
- vii. The project authorities shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. The company shall comply with the recommendations made in the EIA/EMP report.
- ix. The project authorities shall earmarked requisite funds towards capital and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by SEIAA, Bihar with the implementation schedule for

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all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

- x. The applicant shall inform the public that the project has been accorded environmental clearance by SEIAA and that the copies of the clearance letter are available with the Website of SEIAA. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Hindi language and the other in English. A copy each of the same shall be forwarded to SEIAA, Bihar.
- xi. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as soft copy by e-mail) to the Regional Office of MoEF&CC at Ranchi, SEIAA, & Bihar and the State Pollution Control Board.
- xii. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to Regional Office of MoEF (Ranchi) & SEIAA, Bihar.
- xiii. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which should be in the vernacular language informing the public that the proposed expansion project has been accorded Environmental Clearance and copies of clearance letters are available with the Bihar State Pollution Control Board and may also be seen on the website of the SEIAA, Bihar. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF&CC at Ranchi & SEIAA Bihar.
- xiv. Project authorities 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 and the date of commencing the land development work.

#### **PART C – CONDITIONS FOR ENTIRE LIFE OF PROJECT**

- i. No further expansion / modification in the plant shall be carried out without prior permission of SEIAA, Bihar / MoEF, Govt. of India.
- ii. Project Proponent should obtain Consent to Operate under Sec. 25 & 26 of The Water (Prevention & Control of Pollution) Act'1974 and under Sec. 21 of The Air (Prevention & Control of Pollution) Act'1981 from State Pollution Control Board regularly.
- iii. Slags generated due to proposed project operation should not be used for land filling. All the generated iron slag shall be used for cement manufacturing or reuse in iron industries.



- iv. Occupational Health Surveillance of Workers including regular analysis for respiratory and audiometric parameters shall be done on a regular basis and records shall be maintained as per the Factories Act.
- v. Proper housekeeping shall be maintained within premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act. Better housekeeping practices should be adopted for improvement of the environment within the work environment.
- vi. Green belt over 33% of the total project area should be maintained within plant premises with atleast 10 m. wide green belt on all sides along the periphery of the project area in downward direction to mitigate the effects of fugitive emissions as per the CPCB guidelines.
- vii. The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.

The SEAC/SEIAA Bihar will have the right to amend the above conditions and add additional safeguard measures subsequently, If found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

Any appeal against this Environmental Clearance shall lie with the National Green Tribunal (NGT), if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.





## **Annexure - II**

### **A. Specific Conditions**

1. Prior to stone mining, the proponent shall get the vibration studies of blasting (Zone of influence) done by a recognized Institute e.g. Indian Institute of Mines (ISM), Dhanbad, and submit report to SEIAA office before mining operation. If mining activities is carried out without the vibration studies, the Environmental Clearance shall be considered revoked automatically.
2. Habilitation if any within the zone of influence of the project site shall have to rehabilitated.
3. The project proponent shall adopt best mining practice. In the mining area, adequate numbers of check dams, retaining walls, garland drains and setting ponds should be provided to arrest the wash-off with rain water in catchment area.
4. The natural water bodies and streams which are flowing in and around the village should not be disturbed. The water table should be natured so as not to go down below the pre-mining period. Regular monitoring of water table in the open dug well located in the villages should be done to ascertain the impact mining over the ground water table.
5. The Proponent must ensure that at night (noise levels are be within prescribed limits of MoEF&CC).
6. The Project proponent should not disturb the grazing ground for cattle.
7. Main Haulage road in the mine should be provided with permanent water sprinklers as well as other roads be wetted with water tankers fitted with sprinklers.
8. The Project proponent shall ensure that the productivity of the agricultural crops is not adversely affected due to mining operations.
9. Transportation of the minerals by road passing through the village should be allowed only by the consent of the villages or else shall construct by pass road at the expense of the proponent. Proponent shall bear the cost towards widening and strengthening the existing public road network in case the same is used for the project.
10. The Project Proponent shall expend 2.5% of the total project cost on Corporate Environment Responsibility (CER) as committed by them.
11. The environmental clearance is coterminous with mining lease by the Department of Mines, Government of Bihar to Project Proponent and all other Statutory Conditions as imposed by various agencies / District Authorities.



12. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in MoEF&CC Guidelines.
13. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any endangered fauna occurs / is found in the Project area). No damage is to be done to fauna if found in Mining Lease (ML) area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
14. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
15. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the SEIAA, Bihar Patna/ BSPCB, Patna its nearest Regional Office on six monthly basis.
16. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
17. Mist spraying system for dust suppression.
18. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
19. Greenbelt shall be developed all along the mine lease area. The Project proponent shall do tree plantation area equivalent to 33% of the leased area preferably along the periphery and in vacant space within or including the lease area. Fast growing and local species will be planted. Plantation should be completed within 3 Years.
20. Toilet for BPL family must be provided and facilities of drinking water for villagers for its established of a tank for drinking water.
21. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

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22. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Bihar / Central Ground Water Board.
23. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
24. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
25. Drills shall either be operated with the dust extractors or equipped with water injection system.
26. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
27. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
28. 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, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
29. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
30. The phase-wise reclamation and afforestation shall be started simultaneously in production year.
31. The project proponent shall obtain NOC and Consent to establish/Consent to Operate from the Bihar State Pollution Control Board, Patna and effectively implement all the conditions stipulated therein.
32. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which should be in the vernacular language, informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority, Bihar, and the same may also be sent to Bihar State Pollution Control Board (B.S.P.C.B.), Patna. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF&CC at Ranchi.

#### **B. General conditions**



1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Bihar, SEIAA, Bihar, Bihar State Pollution Control Board, Patna during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The SEIAA, Bihar directly shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
12. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as soft copy by e-mail) to the SEIAA, Bihar.
13. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.

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- 14 All statutory clearances shall be obtained before start of mining operations.

**C. Other points**

1. The responsibility for implementation of environmental safeguards rest fully with the project proponent.
2. Project Proponent shall submit (to the SEIAA, Bihar, Regional Office of MoEF&CC at Ranchi, Bihar State Pollution Control Board) six monthly compliance report of the conditions within a fortnight after the end of every six month till validity period of E.C.
3. EC shall be liable to be revoked if furnished information provided description /Certificates/Affidavits/Undertaking etc. are found false/ concocted at any stage of its validity.
4. This EC is issued without affecting any court order / statutory other institutions as well as revelant other laws enacted by MoEF&CC, GoI, New Delhi.
5. Mining and transportation of mined material from mine site to stock yard shall be done in the day time only to avoid noise pollution in the nearby human habitation area.
6. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority if that be so, legal action as per the provision of Environment (protection) Act, 1986.
7. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 5 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
8. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Bihar for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
9. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Bihar and any other Court of Law relating to the subject matter.
10. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

