

STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC)

Ref. No- 04

Patna- 23, Date- 07/04/2017

To,

1. **Dr. Ashok Kumar Ghosh,**
Professor and HoD, Research Centre
Mahavir Cancer Research Institute and Research Centre, Patna.
2. **Dr. Nupur Bose,**
Associate Professor, Department of Geography,
A.N. College, Patna Boring Road, Patna-800013.
3. **Shri Vijay Kumar Sinha,**
"Prasad Bhawan", R.K. Path, Pirmohani,
Kadamkuan, Patna-800003.
4. **Dr. Kamesh Kumar,**
Professor of Economics and Professor-in-Charge of MBA,
A.N. College, Patna Boring Road, Patna-800013.
5. **Dr. Jitendra Singh,**
Retired Vice-Chancellor, 'BRAJ', Behind Post Office,
L.B. Shastri Nagar, Patna-800023.
6. **Shri Shatrunjay Kumar Singh,**
Professor of Botany, Department of Environment and Water Management,
A.N. College, Patna Boring Road, Patna-800013.
7. **Dr. Nityanand Singh Maurya,**
Department of Civil Engineering,
National Institute of Technology, Patna-800005.
8. **Prof. Chandan Bhar,**
Department of Management Studies, Indian School of Mines,
Dhanbad-826004.
9. **Dr. Ram Madhab Bhattacharjee,**
Associate Professor, Department of Mining Engineering,
Indian School of Mines, Dhanbad-826004, Jharkhand.

Sub :- Proceedings of State Level Expert Appraisal Committee which was held on 24.03.2017 in Meeting Hall of State Environment Impact Assessment Authority, 2nd Floor, Beltron Bhawan, Shastri Nagar, Patna - 23.

Sir,

Please find enclosed Proceedings of State Expert Appraisal Committee which was held on 24th March, 2017 for your perusal.

Sincerely Yours

(Shri S. Chandrasékar)
Secretary, SEAC

Proceedings of the State Level Expert Appraisal Committee (SEAC) dated 24th March, 2017

A meeting of State level Expert Appraisal Committee (SEAC) was held in the Meeting Hall of State Environment Impact Assessment Authority, 2nd Floor, Beltron Bhawan, Shastri Nagar, Patna- 23 on 24th March, 2017.

The Chairman and the following members of the committee were present in the meeting:

1. Dr. Ashok Kumar Ghosh, Chairman, SEAC
2. Shri S. Chandrasekar, Secretary, SEAC
3. Dr. Nityanand Singh, Maurya, Member, SEAC
4. Shri Vijay Kumar Sinha, Member, SEAC
5. Shri Shatrunjay Kumar Singh, Member, SEAC
6. Dr. Nupur Bose, Member, SEAC
7. Dr. Kamesh Kumar, Member, SEAC

The proceeding of the last meeting of SEAC dated 18-02-2017 & 19-02-2017 was confirmed by the committee.

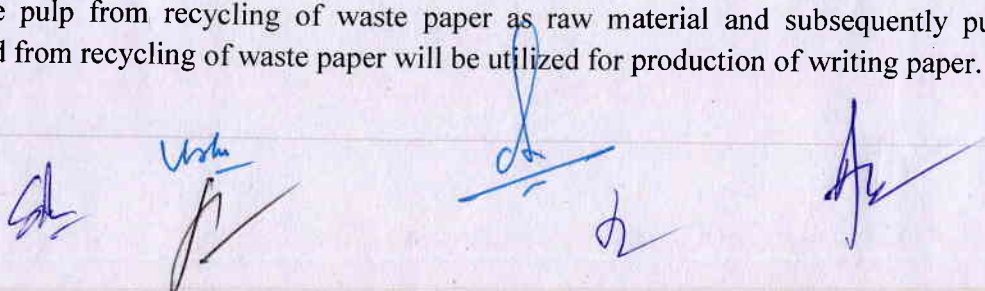
The Various projects records were put up before the committee by the supporting staffs/officers working with SEIAA as per the agenda which is prepared on the basis of scrutiny fee received by SEIAA, Member-Secretary and after discussion in the committee meeting the records were sent back and kept by SEIAA.

The committee discussed the proposal on the agenda and made following recommendations for various projects and sought compliance of the points raised against some of the projects as given below:

1. **Patna Paper Mills Pvt Ltd., Village:-Mahuli, P.O.:- Kothiya, Tehsil:- Patna Sadar, District:- Patna, State:- Bihar. (Proposal No.:- SIA/5(i)/446/17) Online Proposal No.:- SIA/BR/IND/18608/2017.**

Patna Paper Mills Pvt. Ltd. (PPMPL), is going to be established at Bitaura near Village-Mahuli, P.O.-Kothiya, P.S.-Deedarganj, District - Patna. Project site is located near road connecting NH 30 (Patna Bakhtiyarpur Road) to SH 1 (Patna Gaya Road), near Village-Fatehpur, District Patna, Bihar having Latitude 25°31'54.00"N & Longitude 85° 13' 34.14" E at 52 meter above MSL. It is about 12 kilometers from district head quarter Patna and is well connected by NH -30 and rail with rest of the country. PPMPL is about 7Km. (South) from Patna Sahib Railway Station on Howrah -Delhi Main Line Sec. of ECR.

Patna Paper Mills Pvt.Ltd. is going to establish a Paper Mill, for producing Writing Paper, of capacity 40 TPD OR 12000 TPA. The proposed paper mill will generate pulp from recycling of waste paper as raw material and subsequently pulp obtained from recycling of waste paper will be utilized for production of writing paper.



The Project proponent presented the proposal before the committee. After due consideration and discussion, the committee recommended to issue the ToR. (As Annexure- I).

2. "AAKRITI'S THE NEST" Residential Building Project by "M/s AakirtiBuildcon Pvt. Ltd." Village:-Jalalpur, Tehsil:- Danapur-cum-Khagaul, District:- Patna, State:- Bihar.(Proposal No.:- SIA/8(a)/447/17) Online Proposal No.:- SIA/BR/MIS/62631/2017.

Project Site is located at Mauza – Jalalpur, MohallaAbhimanyu Nagar, Thana – Rupaspur, Thana No.:- 22, Khata No.:- 178, 180, Survey Plot No.:- 349 (P), 356 (P). The Project is under consideration for the construction of 1 No. of Residential Building (B+G+10). Total nos. of residential flats will be 120, Total Plot area – 6,318.65 M². and Total Built up area:- 21,629.20 M².

The proponent & Consultant presented the proposal before the committee. After due consideration and discussion, the committee directed to submit revised CSR Plan and Green- Belt Plan. CSR activity of the Project Proponent should be measurable and quantifiable and it should be visible even after the completion of the project. The Project Proponent was also directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, from a nationalized bank, pledged in the name of SEIAA, Bihar, Patna as has been decided in the Joint meeting of SEIAA & SEAC dated 23rd March, 2017. The security deposit is imposed to ensure the proper performance/implementation of the committed CSR activities. So, with this direction, this case was deferred the next meeting.

3. ShivShiva Steel Pvt Ltd. (Expansion Project), Mauja - Raipura, Tehsil:- Fatuha, District:- Patna, State:- Bihar, Pin:- 803 201 (Proposal No. - SIA/3(a)/448/17) Online Proposal No.:-SIA/BR/IND/18661/2017.

M/s Shivshiva Steels Pvt. Ltd., (SSPL), is situated at Village -Raipura, Tehsil - Fatuha, District Patna, Bihar having Latitude 25°30'17.04"N & Longitude 85°19'55.08"E at 51 meter above MSL. SSPL owns a total land of 8.18 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.

The company intends to increase its production capacity by expansion of existing re-rolling mill unit. It is proposed to increase the capacity by installation of 1 no. of 30Tonne Re-rolling furnace for additional production of 1,20,000MT/Annum TMT Bar/Rods.

The proponent & the Consultant presented the proposal before the committee. After due consideration and discussion, the committee recommended to issue the ToR. (As Annexure- II).

4. J. G. FOUNDRY LTD. (EXPANSION PROJECT), Mauja - Chimochak, P.S.- Didarganj, Tehsil:- Patna Rural, District:- Patna, State:- Bihar. (Proposal No. - SIA/3(a)/449/17) Online Proposal No.:-SIA/BR/IND/18806/2017.

J.G. Foundry Ltd. is situated near Village - Chimochak, Didarganj, District-Patna, Bihar having Latitude 25° 33' 42.78" N & Longitude 85° 14' 56.88" E at 51 meter above MSL. M/s J.G. FOUNDRY LTD. was installed in the year 1991 with an initial capacity of 28,800 TPA of MS Ingot/Billet. Now, to fulfill the increasing demand of standardized & quality products in the market, company intends to increase its production capacity by expansion of existing unit. It is proposed to increase the capacity by installation of additional 2 nos. of 8 Tonne induction furnace each for additional production of 48,000 MT/Annum MS Billet.

The Proponent & Consultant presented the proposal before the committee. After due consideration and discussion, the committee recommended to issue the ToR. (As Annexure- II).

5. Stone Mining Project (For Final EIA).

a) Mirzapur Stone Mining Project, Block No- 01, Gaya, Village - Mirzapur, Anchal- Manpur, District:- Gaya, Area:- 5.06 Ha, (Online Proposal No.:- SIA/BR/MIN/17375/2015).

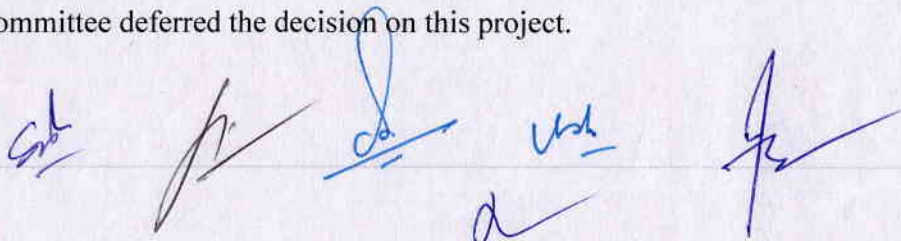
The committee directed the project Proponent to submit a report from the Circle Officer concerned through the District Magistrate regarding status of the location of habitation, whether legal or illegal within 500 meters around the project area. The project proponent was directed in the earlier meeting dated 28th & 29th January, 2017

The Proponent & the Consultant presented the proposal before the committee but not submitted the letter as required from the District Magistrate, Gaya regarding the location of habitation within 500 meters radius from the mining lease area. So, the Committee deferred the decision on this project.

b) Gere Block No.-04, Stone Mining Project, Vill. - Gere, Tehsil- Manpur, District:- Gaya, Area:- 5.06 Ha, (Online Proposal No.:- SIA/BR/MIN/17387/2015).

The committee directed the project Proponent to submit a report from the Circle Officer concerned through the District Magistrate regarding status of habitation whether legal or illegal within 500 meters around the project area. It has been directed in the earlier meeting dated 28th & 29th January, 2017

The Proponent & Consultant presented the proposal before the committee but not submitted the letter from the District Magistrate, Gaya regarding the location of habitation within 500 meters radius from the mining lease area. So, the Committee deferred the decision on this project.



- c) **Bhadokhara Stone Mine (Block No.-07), Village:-Bhadokhara, Tehsil-Nawada, District:- Nawada, Area:- 5.52 Ha, (Proposal No.:- SIA/1(a)/414/17) Online Proposal No.:- SIA/BR/MIN/17647/2016).**

Settlement area/ mining lease measuring 13.64 acres (5.52 Ha) demarcated as Block -7 by the Department of Mining and Geology, Government of Bihar. Proposed annual production of 0.980 Million Tonnes of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 28th August, 2015 and public hearing was conducted on 30th July, 2016. After submission of the final EIA report for the Environmental Clearance, the same was considered by the SEAC in the earlier meeting.

Earlier, the committee directed the project proponent to submit the revised land use pattern, Green-Belt Development Plan, Re-Habilitation Plan, Exit Plan, Environment Management Plan, Budget Plan, Total Project Cost. The Project Proponent submitted all the desired documents. The Project Proponent was also directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, in a nationalized bank, pledged in the name of SEIAA, Bihar, Patna as has been decided in the joint meeting of SEIAA & SEAC dated 23rd March, 2017. The security deposit is imposed to ensure the proper performance/implementation of the committed CSR activities. After due consideration and discussion, the committee recommended the Environmental Clearance (as Annexure – III).

- d) **Bhadokhara Stone Mine (Block No.-08), Village:-Bhadokhara, Tehsil-Nawada, District:- Nawada, Area:- 05 Ha, (Proposal No.:- SIA/1(a)/412/17) Online Proposal No.:- SIA/BR/MIN/17662/2015).**

Settlement area/ mining lease measuring 12.36 acres (5 Ha) demarcated as Block - 8 by the Mining Department, Govt. of Bihar. Proposed annual production of 0.812 Million Tones of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 7th October, 2015 and public hearing is conducted on 30th July, 2016. After submission of the final EIA report for the Environmental Clearance, the same was considered by the SEAC in the earlier meeting.

Earlier, the committee directed the project proponent to submit the revised land use pattern, Green-Belt Development Plan, Re-Habilitation Plan, Exit Plan, Environment Management Plan, Budget Plan, Total Project Cost. The Project Proponent submitted all the desired documents. The Project Proponent was also directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, in a nationalized bank, pledged in the name of SEIAA, Bihar, Patna as has been decided in the joint meeting of SEIAA & SEAC dated 23rd March, 2017. The security deposit is imposed to ensure the proper performance/implementation of the committed CSR activities. After due

consideration and discussion, the committee recommended the Environmental Clearance (as Annexure – III).

- e) **Bhadokhara Stone Mine (Block No.-09), Village:-Bhadokhara, Tehsil-Nawada, District:- Nawada, Area:- 05 Ha, (Proposal No.:- SIA/1(a)/415/17) Online Proposal No.:- SIA/BR/MIN/17653/2015).**

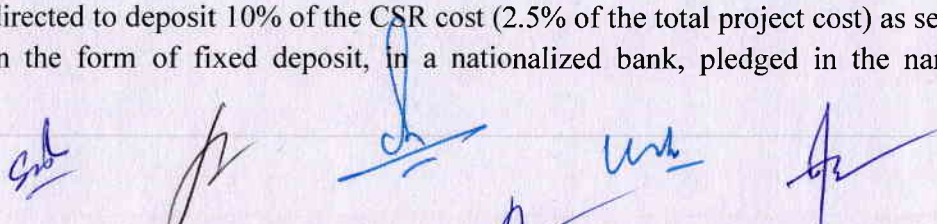
Settlement area/ mining lease measuring 12.36 acres (5 Ha) demarcated as Block - 9 by the Mining Department, Govt. of Bihar. Proposed annual production of 0.86384 Million Tones of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 7th October, 2015, and public hearing is conducted on 30th July, 2016. After submission of the final EIA report for the Environmental Clearance, the same was considered by the SEAC in the earlier meeting.

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- f) **Bhadokhara Stone Mine (Block No.-10), Village:-Bhadokhara, Tehsil-Nawada, District:- Nawada, Area:- 5.51 Ha, (Proposal No.:- SIA/1(a)/413/17) Online Proposal No.:- SIA/BR/MIN/18050/2015).**

Settlement area/ mining lease measuring 13.62 acres (5.51 Ha) demarcated as Block - 10 by the Mining Department, Govt. of Bihar. Proposed annual production of 1.1648 Million Tones of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 30th December, 2015 and public hearing is conducted on 30th July, 2016. After submission of the final EIA report for the Environmental Clearance, the same was considered by the SEAC in the earlier meeting.

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SEIAA, Bihar, Patna as has been decided in the joint meeting of SEIAA & SEAC dated 23rd March, 2017. The security deposit is imposed to ensure the proper performance/implementation of the committed CSR activities. After due consideration and discussion, the committee recommended the Environmental Clearance (as Annexure – III).

- g) Rajauli Stone Mine Project, Block No.- 01, M. L. Area:- 5 Ha), Village- Rajauli, Tehsil- Nawada, District- Nawada, State- Bihar, (Proposal No.:- SIA/1(a)/410/17) Online Proposal No.:- SIA/BR/MIN/17976/2015).**

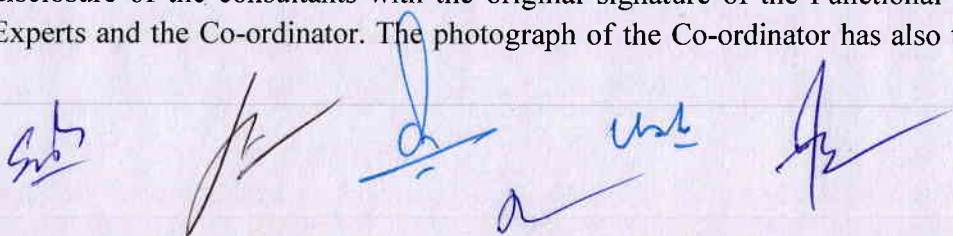
Settlement area/ mining lease measuring 12.36 acres (5 Ha) demarcated as Block - 1 by the Mining Department, Govt. of Bihar. Proposed annual production of 7,41,720 TPA of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 30th December, 2015 and public hearing is conducted on 19th November, 2016. After submission of the final EIA report for the Environmental Clearance, the same was considered by the SEAC in the earlier meeting.

Earlier the committee directed the Project Proponent to submit the disclosure of the consultants with the original signature of the Functional Area Experts and the Co-ordinator. The photograph of the Co-ordinator has also to be affixed and has to be submitted in the next meeting. The Project Proponent submitted all the desired documents. The Project Proponent was also directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, in a nationalized bank, pledged in the name of SEIAA, Bihar, Patna as has been decided in the joint meeting of SEIAA & SEAC dated 23rd March, 2017. The security deposit is imposed to ensure the proper performance/implementation of the committed CSR activities. After due consideration and discussion, the committee recommended the Environmental Clearance (as Annexure – III).

- h) Rajauli Stone Mine Project, Block No.- 02, Area:- 5 Ha), Village- Rajauli, Tehsil- Nawada, District- Nawada, State- Bihar, (Proposal No.:- SIA/1(a)/409/17) Online Proposal No.:- SIA/BR/MIN/17977/2015).**

Settlement area/ mining lease measuring 12.36 acres (5 Ha) demarcated as Block - 2 by the Mining Department, Govt. of Bihar. Proposed annual production of 7,27,160 TPA of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 30th December, 2015 and public hearing is conducted on 19th November, 2016. After the submission of final EIA report for the Environmental Clearance. The same was considered by the SEAC in the earlier meeting.

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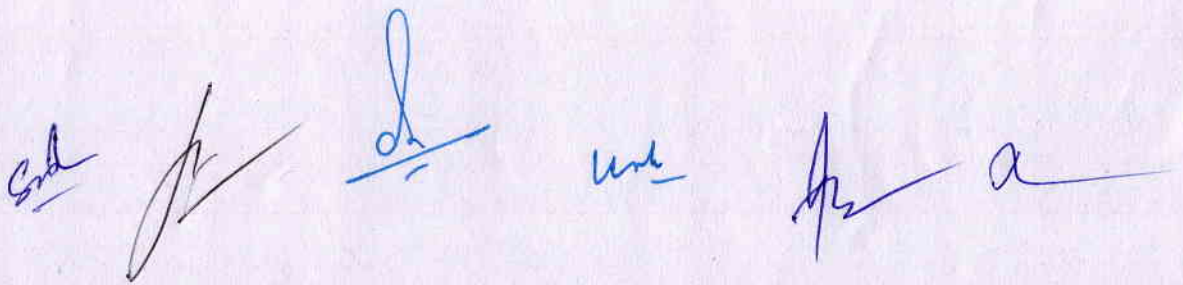


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i) Rajauli Stone Mine Project, Block No.- 05, Area:- 5 Ha), Village- Rajauli, Tehsil- Nawada, District- Nawada, State- Bihar, (Proposal No.:- SIA/1(a)/411/17) Online Proposal No.:- SIA/BR/MIN/17978/2015.

Settlement area/ mining lease measuring 12.36 acres (5 Ha) demarcated as Block - 5 by the Mining Department, Govt. of Bihar. Proposed annual production of 6,49,600 TPA of stone by open cast semi-mechanized method involving drilling and blasting, during the settlement/ lease period of 5 years. ToR issued by SEAC, Bihar 30th December, 2015 and public hearing is conducted on 19th November, 2016. After the submission of final EIA report for the Environmental Clearance. The same was considered by the SEAC in the earlier meeting.

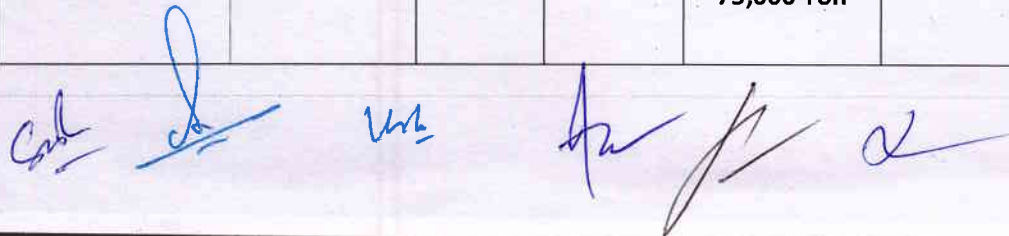
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A series of six handwritten signatures in blue ink, arranged horizontally. The signatures vary in style, with some being more stylized and others more legible. They appear to be official signatures of the committee members or project proponents.

Sand Mining Project (Under Compliance)

District Name:-Munger.

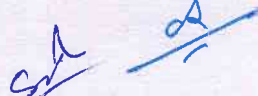
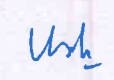


Sl. No.	Proposal Sl. No.	Proposal Details with Address	Mining Location	District	Area (Acre/hectare)	Geological/Mineable/Production Per Year (in Ton)	Date of Receiving	BlockWise Geo-Coordinate as per given in Form-I & Mining Plan approved by Mining Deptt., Govt. of Bihar	Thana No.	Khatana No.	Khesra No.	Name of Ghat
1.	SIA/1(a)/355/16 Online Proposal No:- SIA/BR/MIN/59815/2016	Balu / Sand Mining (Minor Mineral) over an area of 6.4 Ha in Kalisthan - BariyarpurGhat of Ganga River Tehsil - Bariarpur, District- Munger, Bihar	Kalisthan - BariyarpurGhat of Ganga River Tehsil - Bariarpur, District- Munger, Bihar	Munger	6.4 Ha	Geological Reserve:- 3,84,000MT Mineable Reserve:- 45,000 Ton Production Per Year (in Ton):- 45,000 Ton	15-11-16	Corner A- 25°17' 26.35" N 86°35' 34.80" E Corner B- 25°17' 29.14" N 86°35' 42.53" E Corner C- 25°17' 18.87" N 86°35' 39.88" E Corner D- 25°17' 22.04" N 86°35' 48.10" E				Kalisthan - Bariyarpur Ghat
2.	SIA/1(a)/357/16 Online Proposal No:- SIA/BR/MIN/59790/2016	Balu / Sand Mining (Minor Mineral) over an area of 10.4 Ha in BardhaGhat of Ganga River Tehsil - Munger, District- Munger, Bihar	BardhaGhat of Ganga River Tehsil - Munger, District- Munger, Bihar	Munger	10.4 Ha	Geological Reserve:- 6,24,000MT Mineable Reserve:- 75,000 Ton Production Per Year (in Ton):- 75,000 Ton	15-11-16	Corner A- 25°21' 39.77" N 86°32' 45.75" E Corner B- 25°21' 43.38" N 86°32' 52.58" E Corner C- 25°21' 26.73" N 86°32' 54.69" E Corner D- 25°21' 30.28" N 86°33' 01.39" E				BardhaGhat



3.	SIA/1(a)/358/16 Online Proposal No:- SIA/BR/MIN/ 59790/2016	Balu / Sand Mining (Minor Mineral) over an area of 7.5 Ha in Kalan Rampur Ghat of Ganga River Tehsil - Jamalpur, District- Munger, Bihar	Rampur Ghat of Ganga River Tehsil - Jamalpur, District- Munger, Bihar	Munger	7.5 Ha	Geological Reserve:- 4,50,000MT Mineable Reserve:- 45,000 Ton Production Per Year (in Ton):- 45,000 Ton	15-11-16	Corner A- 25°20' 10.30" N 86°33' 40.04" E Corner B- 25°20' 11.12" N 86°33' 46.32" E Corner C- 25°19' 57.18" N 86°33' 43.77" E Corner D- 25°19' 58.37" N 86°33' 50.22" E				Kalan Rampur Ghat
4.	SIA/1(a)/359/16 Online Proposal No:- SIA/BR/MIN/ 59805/2016	Balu / Sand Mining (Minor Mineral) over an area of 5.6 Ha with Production Capacity of 45000 TPA at LalDarwajaGhat of Ganga River Tehsil - Munger, District- Munger, Bihar	LalDarwajaG hat of Ganga River Tehsil - Munger, District- Munger, Bihar	Munger	5.6 Ha	Geological Reserve:- Mineable Reserve:- 45,000 Ton Production Per Year (in Ton):- 45,000 Ton	15-11-16	Corner A- 25°23' 18.99" N 86°27' 40.36" E Corner B- 25°23' 22.11" N 86°27' 35.45" E Corner C- 25°23' 25.91" N 86°27' 48.16" E Corner D- 25°23' 29.98" N 86°27' 43.19" E				LalDarwaj aGhat
5.	SIA/1(a)/360/16 Online Proposal No:- SIA/BR/MIN/ 59612/2016	Balu / Sand Mining (Minor Mineral) over an area of 6.7 Ha with Production Capacity of 45000 TPA at TikarampurGhat of Ganga River Tehsil - Munger,	TikarampurG hat of Ganga River Tehsil - Munger, District- Munger, Bihar	Munger	6.7 Ha	Geological Reserve:- Mineable Reserve:- 45,000 Ton Production Per Year (in Ton):- 45,000 Ton	15-11-16	Corner A- 25°23' 47.43" N 86°28' 24.50" E Corner B- 25°23' 53.71" N 86°28' 21.64" E Corner C- 25°23' 51.17" N 86°28' 35.36" E Corner D-				Tikarampu rGhat

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		District- Munger, Bihar						25°23' 57.25" N 86°28' 32.82" E				
6.	SIA/1(a)/361/16 Online Proposal No:- SIA/BR/MIN/ 59816/2016	Balu / Sand Mining (Minor Mineral) over an area of 13.6 Ha in Shakarpur Ghat of Ganga River Tehsil - Munger, District- Munger, Bihar	Shakarpur Ghat at of Ganga River Tehsil - Munger, District- Munger, Bihar	Munger	13.6 Ha	Geological Reserve:- 8,16,000MT Mineable Reserve:- 1,05,000MT Production Per Year (in Ton):- 1,05,000MT	15-11-16	Corner A- 25°23' 12.60" N 86°30' 47.52" E Corner B- 25°23' 18.48" N 86°30' 55.05" E Corner C- 25°23' 00.87" N 86°30' 59.79" E Corner D- 25°23' 06.44" N 86°31' 06.95" E				Shakarpur Ghat
7.	SIA/1(a)/363/16 Online Proposal No:- SIA/BR/MIN/ 59788/2016	Balu / Sand Mining (Minor Mineral) over an area of 14.7 Ha in Chotki Mohali Ghat of Ganga River Tehsil - Teitha Bambo District- Munger, Bihar	Chotki Mohali Ghat of Ganga River Tehsil - Teitha Bambo r, District- Munger, Bihar	Munger	14.7 Ha	Geological Reserve:- 8,82,000MT Mineable Reserve:- 1,27,500MT/A nnum Production Per Year (in Ton):- 1,27,500MT/A nnum	15-11-16	Corner A- 25°24' 04.50" N 86°30' 16.10" E Corner B- 25°24' 09.33" N 86°30' 26.02" E Corner C- 25°23' 50.76" N 86°30' 23.52" E Corner D- 25°23' 54.94" N 86°30' 33.11" E				Chotki Mohali Ghat

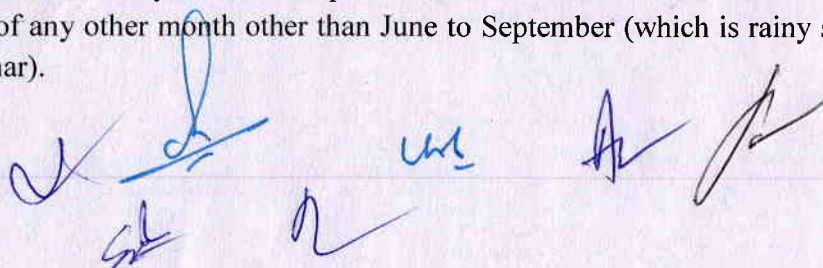
The Proponent & consultant presented the proposal before the committee. The Proponent submitted vide affidavit that

- No RF/PF is located within 500 meters from the project site;
- The sum total of mining area including the proposed site is less than 25 Hectare (B-2 Category) within 500 Meter radius;
- No railway /Road bridge is coming within 300 meter;
- No intake well is coming within the distance of 500 meter from the mining lease area in upstream as well as downstream side;
- No notified aquatic species breeding area is present within 500 meter from the mining lease area in upstream as well as downstream side;
- No any disturbance/harm will be done to Flora & Fauna lies within core & buffer zone during mining operation & mining activity and will Comply the provisions of Environmental (Protection) Act, 1986, water (Prevention control of pollution) Act, 1974, Air (prevention & control of pollution) Act, 1981 and Wildlife (Protection) Act, 1972;
- The Proponent submitted annexure-I & II;
- The proponent also submitted a letter regarding withdrawal/no go ahead of its application submitted to MoEF&CC for grant of E.C. regarding the Sand Mining Ghats under consideration of this committee.

The proponent also stated that he has applied through On-line for the 'Wildlife Clearance' as the distance of the mining ghat from the Bhimbandh Wild Life Sanctuary is falling within the 'Eco Sensitive Zone'.

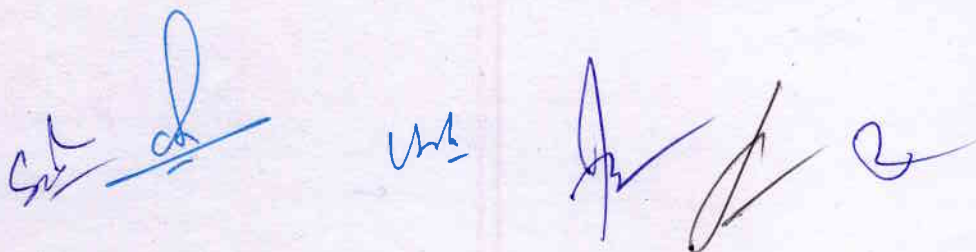
After due discussion the SEAC has recommended issuance of EC with a condition that the project proponent shall produce a valid Wildlife Clearance from the competent authority. The Project Proponent shall not carry out any mining activity without a valid Wildlife Clearance. Apart from this the following conditions are also recommended to be included in the E.C. Conditions. (Annexure – IV)

1. To submit annual replenishment report through scientific study, 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 / stopped accordingly till the replenishment is completed.
2. No Mining activity shall be done within a distance of 3 Meter or 10% of the width of the river bed, whichever is more and it will be left intact as no mining zone.
3. Sand mining will not be done at the river meandering point.
4. CSR activity of the Project Proponent should be visible and measurable/quantifiable.
5. Proponents have to submit Satellite picture procured from the National Remote Sensing Center, Hyderabad of individual Sand ghats in 1:15,000 scale. Preferably the satellite picture should be taken in the month of October or of any other month other than June to September (which is rainy season in Bihar).



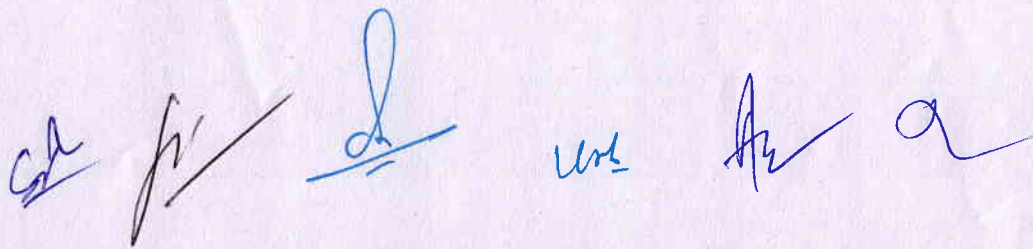
District Name:-Munger.

Sl. No.	Proposal Sl. No.	Proposal Details with Address	Mining Location	District	Area (Acre/hectare)	Geological/Mineable/Production Per Year (in Ton)	Date of Receiving	BlockWise Geo-Coordinate as per given in Form-I & Mining Plan approved by Mining Deptt., Govt. of Bihar	Thana No.	Khata No.	Khesra No.	Name of Ghat
1.	SIA/1(a)/362/16 Online Proposal No:- SIA/BR/MIN/59787/2016	Balu / Sand Mining (Minor Mineral) over an area of 5.74 Ha with Production Capacity of 36240 TPA at GhorGhat of Ganga River Tehsil - Jamalpur, District- Munger, Bihar	GhorGhat of Ganga River Tehsil - Jamalpur, District- Munger, Bihar	Munger	5.74 Ha	Geological Reserve:- Mineable Reserve:- 36,240MT Production Per Year (in Ton):- 36,240MT	15-11-16	Corner A- 25°14' 42.52" N 86°38' 13.99" E Corner B- 25°14' 46.50" N 86°38' 15.41" E Corner C- 25°14' 37.95" N 86°38' 28.14" E Corner D- 25°14' 42.01" N 86°38' 30.00" E				GhorGhat



The Proponent & consultant presented the proposal before the committee. The Proponent submitted vide affidavit that

- No RF/PF is located within 500 meters from the project site;
 - The sum total of mining area including the proposed site is less than 25 Hectare (B-2 Category) within 500 Meter radius;
 - No railway /Road bridge is coming within 300 meter;
 - No intake well is coming within the distance of 500 meter from the mining lease area in upstream as well as downstream side;
 - No notified aquatic species breeding area is present within 500 meter from the mining lease area in upstream as well as downstream side;
 - No any disturbance/harm will be done to Flora & Fauna lies within core & buffer zone during mining operation & mining activity and will Comply the provisions of Environmental (Protection) Act, 1986, water (Prevention control of pollution) Act, 1974, Air (prevention & control of pollution) Act, 1981 and Wildlife (Protection) Act, 1972;
 - The Proponent submitted annexure-I & II;
 - The proponent also submitted a letter regarding withdrawal/no go ahead of its application submitted to MoEF&CC for grant of E.C. regarding the Sand Mining Ghats under consideration of this committee.
1. To submit annual replenishment report through scientific study, 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 / stopped accordingly till the replenishment is completed.
 2. No Mining activity shall be done within a distance of 3 Meter or 10% of the width of the river bed, whichever is more and it will be left intact as no mining zone.
 3. Sand mining will not be done at the river meandering point.
 4. CSR activity of the Project Proponent should be visible and measurable/quantifiable.
 5. Proponents have to submit Satellite picture procured from National Remote Sensing Center, Hyderabad of individual Sand ghats within 1:15,000 scale. Preferably the picture should be taken in the month of October any other month other than June to September (which is rainy season in Bihar).

The block contains five handwritten signatures in blue ink, arranged horizontally. The signatures are stylized and appear to be of different individuals. The first signature is on the left, followed by a second, then a third, a fourth, and a fifth on the right.

District Name:-West Champaran.

Sl. No.	Proposal Sl. No.	Proposal Details with Address	Mining Location	District	Area (Acre/hectare)	Date of Receiving	BlockWise Geo-Coordinate as per given in Form-I & Mining Plan approved by Mining Deptt., Govt. of Bihar	Thana No.	Khata No.	Khesra No.	Name of Ghat
1.	SIA/1(a)/194/16	Proposed Sand Mining of area 2.72 ha, Village- Barwa Tehsil- Mainatanad, District- Paschim Champaran, State- Bihar	Vill- Barwa, Tehsil- Mainatanad, Dist- Pashchim Champaran	West Champaran	Total Area- 2.72 Ha	10-03-16	Corner A- 26°54' 15.874"N 84°03' 41.802"E Corner B- 26° 54' 13.93"N 84°03' 44.666"E Corner C- 26° 54' 07.52"N 84° 03' 38.639"E Corner D- 26° 54' 10.041"N 84° 03' 35.576"E	278	260, 231, 239, 171, 109, 02	903, 904, 908, 912, 913, 914, 918, 954, 957, 501, 502, 529, 530, 234, 196	BarwaGhat

Absent.

[Handwritten signatures and initials in blue ink]

It has been resolved that the next meeting of SEAC will be held on2017 and the Agenda would be communicated to all member and concerned, one week prior to the date of the meeting.

Apart from that, the committee also decided to follow the following criteria for all the projects before the grant of environmental clearance.

- (I) Credible action should be taken by SEIAA, against the violation cases as per the latest MoEF&CC / NGT guidelines.
- (II) Affidavit related to violation / non-violation cases maybe procured from all the proponents who have received the Environmental Clearance.
- (III) The aforementioned two Clauses I & II should also be applicable for the cases recommended by the SEAC in the meetings held earlier.

The Member-Secretary thanked the Chairman and members present in the meeting for participation and deliberation, and the meeting was declared closed with the permission of the Chairman, SEAC.



(V. K. Sinha)

(Member, SEAC)



(Dr. N.S. Maurya)

(Member, SEAC)



(Dr. S.K. Singh)

(Member, SEAC)

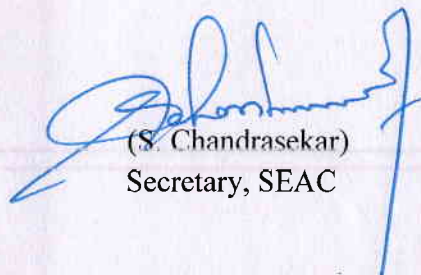


(Dr. Nupur Bose)

(Member, SEAC)

(Dr. Kamesh Kumar)

(Member, SEAC)



(S. Chandrasekar)
Secretary, SEAC



(Dr. A.K. Ghosh)
Chairman, SEAC

Annexure:- I

Term of Reference(ToR) for Paper Mill Projects

STANDARD TERMS OF REFERENCE

1. Executive Summary.
2. Introduction.
 - a) Details of the EIA Consultant including NABET accreditation.
 - b) Information about the project proponent.
 - c) Importance and benefits of the project.
3. Project Description.
 - a) Cost of project and time of completion.
 - b) Products with capacities for the proposed project.
 - c) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier Environmental Clearance if any.
 - d) List of raw materials required and their source along with mode of transportation.
 - e) Other chemicals and materials required with quantities and storage capacities.
 - f) Details of Emission, effluents, hazardous waste generation and their management.
 - g) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
 - h) Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
 - i) Hazard identification and details of proposed safety systems.
4. Site Details.
 - a) Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
 - b) A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places).
 - c) Details w.r.t. option analysis for selection of site.
 - d) Co-ordinates (lat-long) of all four corners of the site.
 - e) Google map-Earth downloaded of the project site.
 - f) Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
 - g) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
 - h) Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
 - i) A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
 - j) Geological features and Geo-hydrological status of the study area shall be included.
 - k) Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30

years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects).

- l) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - m) R&R details in respect of land in line with state Government policy.
5. Forest and wildlife related issues (if applicable):
- a) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
 - b) Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
 - c) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - d) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - e) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - f) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
6. Environmental Status.
- a) Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - b) AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - c) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - d) Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - e) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - f) Ground water monitoring at minimum at 8 locations shall be included.
 - g) Noise levels monitoring at 8 locations within the study area.
 - h) Soil Characteristic as per CPCB guidelines.
 - i) Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
 - j) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - k) Socio-economic status of the study area.
7. Impact and Environment Management Plan.

- a) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
 - b) Water Quality modelling - in case of discharge in water body.
 - c) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
 - d) A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
 - e) Details of stack emission and action plan for control of emissions to meet standards.
 - f) Measures for fugitive emission control.
 - g) Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - h) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - i) Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - j) Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - k) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - l) Action plan for post-project environmental monitoring shall be submitted
 - m) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
8. Occupational health.
- a) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
 - b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of

the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.

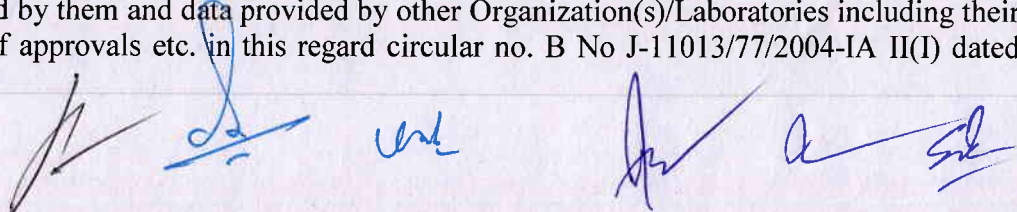
- c) Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
 - d) Annual report of health status of workers with special reference to Occupational Health and Safety.
9. Corporate Environment Policy.
- a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - b) Does the Environment Policy prescribe for standard operating process /procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions? If so, it may be detailed in the EIA.
 - c) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - d) Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
11. Enterprise Social Commitment (ESC).
- a) Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
13. A tabular chart with index for point wise compliance of above TOR.

Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

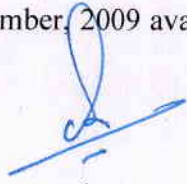





The Proponent shall inform the office of SEIAA the exact date of monitoring so that experts from SEIAA office could visit site of monitoring.

These 'ToRs' should be considered for the preparation of EIA/EMP report. Relevant information as per the General Structure of EIA' Notification, 2006.

The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc. in this regard circular no. B No J-11013/77/2004-IA II(I) dated



2nd December, 2009 available on the Ministry's Website <http://www.moef.nic.in> may be referred.

Annexure:- II

Term of Reference(ToR) for Expansion of Re-Rolling Projects

1. Executive summary of the project
2. Detailed breakup of the land area along with latest photograph of the area.
3. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places). Present land use based on satellite imagery National Remote Sensing Center, Hyderabad.
4. Expansion/modernization proposals:
 - a) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
5. Details of site and information related to environmental setting within 10 km radius of the project site.
6. Information regarding eco-sensitive area such as national park / wildlife sanctuary/biosphere reserves within 10 km radius of project area.
7. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc.
8. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
9. Number of working days of the proposed expansion project.
10. Total cost of the project along with item wise cost.
11. Project site layout plan showing raw materials and other storage area, bore well or water storage tank, waste disposal area, green areas & working area.
12. List of raw material required and source along with mode of transportation and Mass balance of the raw materials should be included.
13. Details of solid /hazardous waste & its action plan for management should be included.
14. Site specific micro meteorological data (one season) using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.

15. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based ON CPCB guidelines and take into account the pre-dominant wind direction, population zone.
16. Air quality modeling for specific pollutants needs to be done. APCS for the control of emissions should also be included to control particulate emissions within 150 mg/Nm³.
17. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
18. An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.
19. Analysis of Ground water from 5 locations & surface water of nearby river (downstream & upstream) from 2 locations within 5 km. radius.
20. Rain Water Harvesting Action Plan
21. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.
22. Specific study on the impact of air and water discharge on human health around 5 km radius of the project site.
23. Noise levels monitoring at five locations within the study area.
24. Soil Characteristic as per CPCB guidelines.
25. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
26. Detailed Environment management plan (EMP) with specific reference to details of air pollution control system & wastewater management, monitoring frequency & mitigation measure should be provided.
27. EMP should also include concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation and natural resource conservation.
28. Disaster Management Plan for proposed expansion project.
29. Details of occupational health surveillance programme.
30. Action plan for post-project environmental monitoring.
31. At least 2.5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item wise details along with time bound action plan should be included.
32. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
33. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also Incorporated in the final EIA/EMP Report of the Project (if applicable).
34. Any litigation pending against the project and/or any direction/ order passed by any Court of Law against the project, if so, details thereof.
35. A tabular chart with index for point-wise compliance of above ToRs.

The Proponent shall inform the office of SEIAA the exact date of monitoring so that experts from SEIAA office could visit site of monitoring

These 'ToRs' should be considered for the preparation of EIA/EMP report. Relevant information as per the General Structure of EIA' Notification, 2006.

The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc. in this regard circular no. B No J-11013/77/2004-IA II(I) dated 2nd December, 2009 available on the Ministry's Website <http://www.moef.nic.in> may be referred.

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Annexure:-III

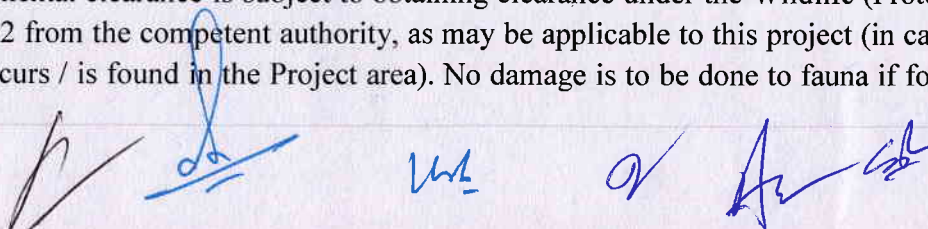


Annexure:-III

Environment Clearance condition for Stone Mining Projects

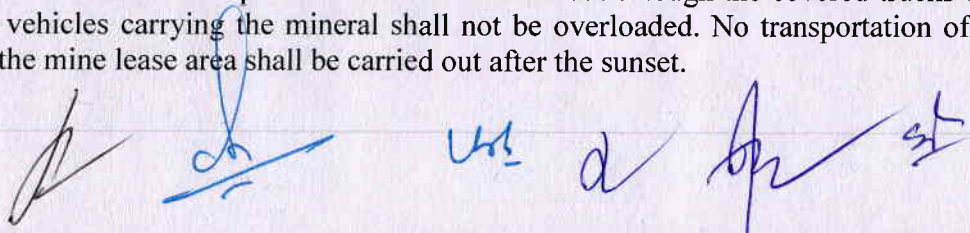
A. Specific Conditions

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. Rehabilitation of villages, if any, has to be done at the Proponent's cost.
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 villagers nearby get good sleep at night (noise levels should be within prescribed limit).
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 affected due to mining operations.
9. Transportation of the minerals by road passing through the village shall be allowed rather by pass road should be constructed. The proponent shall bear the cost towards widening and strengthening the existing public road network in case the same is used for the project.
10. As CSR activities, the mining establishment shall spend up 2.5 % of their financial turn over.
11. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Bihar to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
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 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 handling over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.

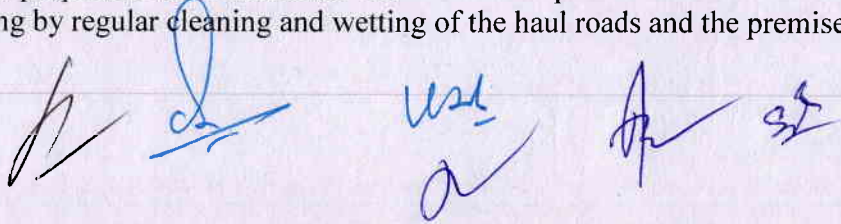
14. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
15. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the 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. 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.
18. Greenbelt shall be developed all along the mine lease area. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. Plantation should be completed within 3 Years.
19. Toilet for BPL family must be provided and facilities of drinking water for villagers for its established of a tank for drinking water.
20. 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.
21. 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.
22. 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.



23. 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.
24. Drills shall either be operated with the dust extractors or equipped with water injection system.
25. 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.
26. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
27. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
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 proponent shall submit mining closure plan to SEIAA Bihar, before the start of mining, failing which Environment Clearance shall be revoked.
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.

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.

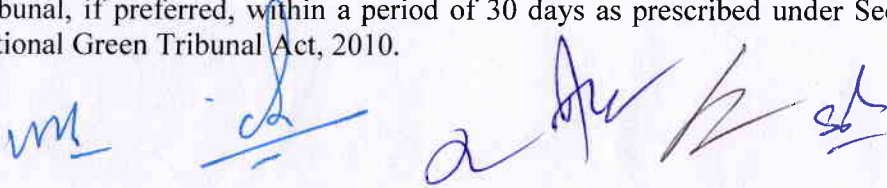


4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels 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 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.
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. 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.

3. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. 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.
5. 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 Transboundary 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.
6. 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.

The block contains several handwritten signatures in blue ink. From left to right, there is a signature that looks like 'm', a signature that looks like 'ca' with a horizontal line underneath, and a larger, more complex signature that appears to be 'a' followed by 'K' and 'st'.

Annexure:-IV

Environmental Clearance Condition for Recommended Sand Mining Projects

A. Specific Conditions

1. The Environmental clearance is subject to grant of Mining Lease and will be co-terminus with the mining lease period.
2. The mining work will be open-cast and exclusively manual. No mechanical work or drilling / blasting should be involved at any stage.
3. It shall be ensured that there shall be no mining beyond 03 m or upto water level whichever is less further meaning thereby that no mining activity in ruining/stagnant water in the River in the issue of Sand Mining. The Distance from the bank of the river shall be as per the Bihar Minor Mineral and concession Rule (2014) and amendment thereof.
4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
5. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area).
6. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
7. The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
8. Solid waste material viz, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
9. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.

12. 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.
13. 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.
14. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
15. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna as prescribed the Wildlife (protection) Act.1972
16. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
17. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the SEIAA, Bihar & Bihar State Pollution Control Board, Patna and to concerned DMO in prior of final mine closure for approval.
18. The project proponent shall obtain Consent to establish and Consent to Operate from the Bihar State Pollution Control Board, Patna and effectively implement all the conditions stipulated therein.
19. The depth of mining in river-bed shall not exceed three meter or water level, whichever is less, provided that where the Joint Inspection Committee certifies about excessive deposit or over accumulation of mineral in certain reaches requiring channelization, it can be as specified by the Committee, on defined reaches of the river.
20. No river sand mining be allowed in rainy season (July, August, and September).
21. To 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 / stopped accordingly till the replenishment is completed.
22. In river flood plain mining, a buffer of 3 meter be left from the river bank for mining.
23. In mining from agricultural field, a buffer of 3 meter be left from the adjacent field.
24. Mining shall be done in layers of 1 m depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
25. No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations.
26. No labour camp be allowed in riverbed.
27. Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the SEIAA, Bihar.
28. The top soil in case of surface mining shall be stored temporarily in an earmarked site and concurrently used for land reclamation.

29. Lease shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
30. Noise arising out of mining and processing shall be abated and controlled at source to keep within permissible limit.
31. The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly.
32. Air Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
33. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used.
34. The aesthetics of the site shall be maintained.
35. Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining be planted preferably of indigenous species.
36. No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules made thereunder.
37. Protection of spring sources should be ensured.
38. Attempt should be there to restrict activities to cause minimum surface soil disturbance.
39. Adequate steps to check soil erosion and control debris flow etc. by constructing engineering structures should be ensured.
40. Site clearance and tidiness shall be maintained.
41. The proponent shall take all possible precautions for the protection of environment and control of pollution.
42. Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by lease holder at his own cost.
43. Health and safety of workers should be taken care of.
44. Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers shall be adopted.
45. The Distance from N.H, Railway line, Reservoir, Bridge shall be adopted as per Bihar Minor Mineral and concession Rule (2014) and amendment thereof.
46. The proponent shall not conduct sand mining where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archeological importance.

47. Vehicles only with fitness and PUC Certificates should be used.
48. Project Proponent 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.
49. No stacking of sand is allowed on road side along national highways.
50. Restoration, reclamation and rehabilitation in cluster should be done systematically EC by the proponent.
51. Site specific plan with eco-restoration should be in place and implemented.
52. The PP shall make arrangement for drinking water, first aid facility.
53. Adequate steps should be taken to check soil erosion and control debris flow etc. by constructing engineering structures.
54. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
55. Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and washing of all transport vehicles should be done inside the mining lease.
56. The Proposed route for transportation should not pass through private land. But in case it passes permission from private land owner obtained.

B. General conditions

1. Any change in mining area Plot / Khata numbers, entailing capacity addition with change in process and or mining technology modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended), MoEF&CC guidelines and Supreme Court judgment on the subject.
2. The Different Geo-Coordinate is given as per approved Mining Plan approved by Mining Deptt., Govt. of Bihar.
3. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take care of dust generated during mining operation, Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
4. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the 'clearance shall be automatically deemed to have been cancelled.
5. Parking of vehicles should not be made on public places.
6. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
7. No wildlife habitat will be infringed.

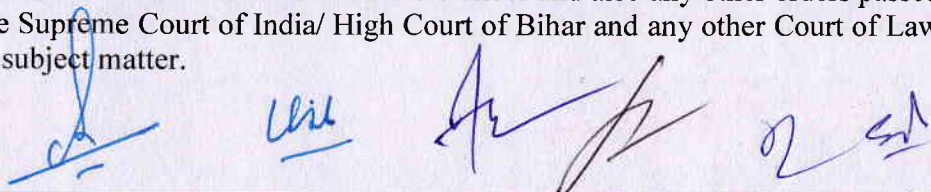
8. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed / basin, where, mining is carried out.
9. It shall be ensured that mining operation will not in any way disturb the, velocity and flow pattern of the river water significantly.
10. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, BSPCB and SEIAA and this activity should be completed before the start of sand mining.
11. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
12. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO / Horticulture Officer.
13. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
14. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities, Maintenance of Village roads through which transportation of minerals is to be undertaken, shall be carried out by the project proponent regularly at his own expenses.
15. Measures for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geo textile matting or other suitable material.
16. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
17. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile / insect like snake. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.
18. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
19. The Project proponent shall maintain register for production and dispatch and submit return to the SEIAA, Bihar & B.S.P.C.B, Patna.
20. Measures should be taken for control of noise levels below prescribed norms in the work environment.
21. 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.

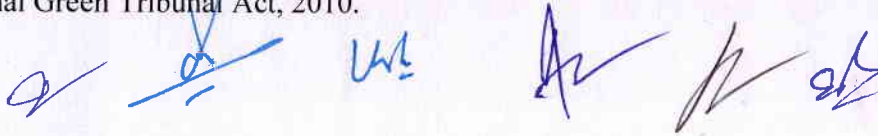
22. Dispensary facilities for First Aid shall be provided at site.
23. Social Corporate Responsibility (SCR) plan along with budgetary provision amounting to 2.5 % of total project cost shall be submitted within three months on need base assessment study in the study area. Income generating measures which can help in up-liftment of weaker section of society consistent with the traditional skills of the people identified. The programme can include activities such as drinking water arrangements in villages, arrangement for toilets, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment and jobs. Separate budget for community development activities & income generating programmes shall be specified.
24. SEIAA, Bihar, The Bihar State Pollution Control Board, Patna directly or through its Regional Office, 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.
25. 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 by e-mail) to the SEIAA, Bihar & Bihar State Pollution Control Board, Patna and to its concerned Regional Office.
26. All statutory clearances shall be obtained before start of mining operations.
27. The Mines commissioner cum Principal Secretary, Government of Bihar through respective officers at the district level shall ensure the implementation of the stipulated environmental condition mention above.

C. Other points

1. 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 or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. 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.
4. 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.



5. 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.

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