

STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC)

Ref. No- **102/SEIAA/17**

Patna- 23, Date- **29/06/17**

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 28.06.2017 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 28th June, 2017 for your perusal.

Sincerely Yours

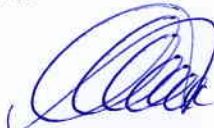
Sd/-

(Alok Kumar)
Secretary, SEAC

Memo No.....

Date.....

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

 **29/6/17**
(Alok Kumar)
Secretary, SEAC

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 28th June, 2017.

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

1. Dr. Ashok Kumar Ghosh, Chairman, SEAC
2. Shri Alok Kumar, Secretary SEAC
3. Dr. Nityanand Singh, Maurya, Member, SEAC
4. Shri Vijay Kumar Sinha, Member, SEAC

The proceeding of the last meeting of SEAC dated 17th & 18th June, 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. **Commercial and Residential "ORBITO" Project, The proposed site of project is located at Plot No. 13,15, 16, 17 and 18 Khata No. 167, 188, 197, Thana No.-36, Khagoul Road, Village- Mustafapur, Block- Danapur, Near-Sanguna More, Patna. (Proposal No. - SIA/8(a)/506/17) Online Proposal No.:- SIA/BR/NCP/65471/2017).**

The proposed site of project is located at Plot No. – 13, 15, 16, 17 & 18 Khata No. – 167, 188, 197, Thana No. – 36, Khagoul Road, Village:- Mustafapur, Tehsil:- Danapur Block, Near Saguna More, District:- Patna, Bihar. The Project is under consideration for the construction of 1 No. of Residential Building (B+G+12). Total nos. of residential flats will be 198. The proposed commercial and Residential Project will be spread over an area of 2.61acre (10,581.94 M²), which comprises commercial and residential building having total built – up area 36,719.24 M².

During the presentation the committee directed the project proponent to submit a revised Map with (1) True scale, (2) Setback area all around blocks, properly demarcated and (3) Area statement; which were submitted by the project proponent the same day. The Project Proponent agreed to give 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, and Patna. The Proponent was also directed to go for tall plantation this season itself and install one Continuous Ambient Air Quality Monitoring Station within Patna and meet its Operation and maintenance requirements for 5 Years. After due



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

2. **Proposed Multi Storeyed Staff Quarters For Patna High Court at Adalatganj, Buddh Marg, Tehsil:- Patna, District:- Patna, State:- Bihar (Proposal No. - SIA/8(a)/521/17) Online Proposal No.:- SIA/BR/NCP/65555/2017).**

Proposed Multi Storeyed Staff Quarters for Patna High Court at Adalatganj, Buddh Marg, Patna. The project having plot no. 151, 159 to 170, 171 (P), 178 (P), 179 (P), 180 to 196, 203 (P), 204 (P) 206 (P), 207, 208 (P), 209 (P), 210 (P), 211, 212, 213. The project having Plot area – 41,595.5 M² and Built up area – 46,309.93 M² (Proposed 37,363.93 M² + Existing 8,946 M²). No of Dwelling Units are 366 in numbers. No of building blocks are 12 (9 + 3). The project site is geographically located at 25° 36' 30.51" N to 85° 07' 56.54" E. Project consist of total no of floors (Residential Tower) of G + 8 and maximum height of the building is 31 Meters.

During discussion following suggestion were made.

(1) Towards eastern flank (Buddha Marg) medium trees with like Jarul/Amaltas be Planted this season. Elsewhere also tall plants be planted this monsoon itself.

(2) Terrace area should be explored for solar power requirement of the premises.

The Project Proponent & Consultant presented their proposal before the Committee. The Project Proponent agreed to give 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, and Patna. The proponent also agreed to install one continues Ambient Air Quality Monitoring Station within Patna and meet its Operation and maintenance requirements for 5 Years.

After due consideration and discussion, the committee recommended the Environmental Clearance with aforesaid conditions. (as Annexure – I).

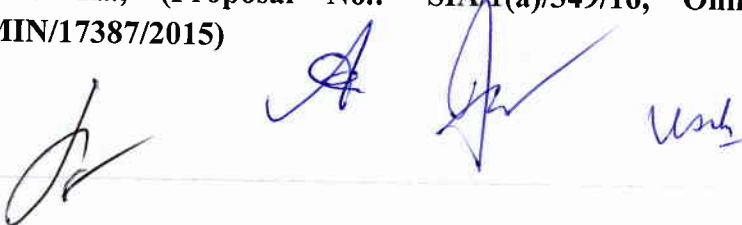
3. **Stone Mining Project For Final EIA**

a) **Mirzapur Stone Mining Project, Block No- 01, Gaya, Village - Mirzapur, Anchal-Manpur, Distrcit- Gaya, Area:- 5.06 Ha, (Proposal No.:- SIA/1(a)/342/16, Online Proposal No.:- SIA/BR/MIN/17375/2015)**

The committee had earlier 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.

Both Project Proponent & Consultant were absent and as such the proposal was deferred for next meeting.

b) **Gere Block No.-04, Stone Mining Project, Vill- Gere, Tehsil- Manpur, Dist- Gaya, Area:- 5.06 Ha, (Proposal No.:- SIA/1(a)/349/16, Online Proposal No.:- SIA/BR/MIN/17387/2015)**



The committee had earlier 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.

Both Project Proponent & Consultant were absent and as such the proposal was deferred for next meeting.

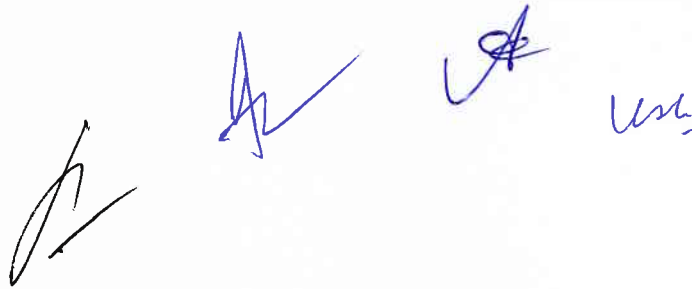


Soil Mining Project (Under Compliance)

District Name:-Begusarai.

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.
1.	SIA/1(a)/452/17 Online Proposal No. SIA/BR/MI N/63518/2017	Soil Mining Project at Village:- MathaniJalalpur, P.S.:- Matihani, District:- Begusarai, State:- Bihar	Village:- Mathani Jalalpur, P.S.:- Matihani, District:- Begusarai, State:- Bihar	Begusarai	Total Area - 4.98 Ha	Geological Reserve:- 1,29,480 Tonnes Mineable Reserve:- 1,16,532 Tonnes Production Per Year (in Ton):- 2,33,064 Tonnes	03-04-17	Corner A- 25° 21' 27.38" N 86° 10' 58.38" E Corner B- 25° 21' 27.72" N 86° 11' 05.91" E Corner C- 25° 21' 20.06" N 86° 11' 05.73" E Corner D- 25° 21' 20.48" N 86° 10' 57.38" E	499	105, 114, 122, 58, 1, 2, 125, 101, 55, 83, 72, 21, 28, 14, 107, 87, 100, 95, 80	213, 275, 276, 332, 53, 53/441, 53/442, 269, 90, 91, 92, 93, 290, 233, 234, 200, 192, 199, 126, 229

The Project Proponent & Consultant both were absent. So, deferred for next meeting.



Sand Mining Project (Under Compliance)

District Name:-West Champaran.

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 Gha
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	Geological Reserve:- 1,53,387 Tonnes Mineable Reserve:- 1,18,631.7 Tonnes Production Per Year (in Ton):- 84.7 Tonnes	10-03-16	Corner A- 26° 54' 15.874" N 84° 03' 41.802" E Corner B- 26° 54' 13.933" N 84° 03' 44.666" E Corner C- 26° 54' 7.52" 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	Barwa Ghar

The Project Proponent & Consultant both were absent. So, Deferred for next meeting.

Sand Mining Projects (Under Compliance)

District Name:- Gaya

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	Thana No.	Khata No.	Khesra No.	Name of Ghat
1.	SIA/1(a)/474/17 Online Proposal No. SIA/BR/MIN/643 43/2017	Baijudham Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Baiju Bigha, Anchal:- Gurua, District:- Gaya	Gaya	23.70 Ha	Geological Reserve:- Mineable Reserve:- 12,79,712 Tonnes Production Per Year (in Ton):- 7,79,699 TPA	12-06-17	Corner A- 24° 40' 25.50" N 84° 48' 52.51" E Corner B- 24° 40' 47.70" N 84° 48' 49.90" E Corner C- 24° 40' 47.12" N 84° 48' 33.83" E Corner D- 24° 40' 25.65" N 84° 48' 44.19" E		107	01	Baijudham Sand Ghat
2.	SIA/1(a)/475/17 Online Proposal No. SIA/BR/MIN/644 19/2017	Solahdham Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Dhirabigha, Anchal:- Tekari, District:- Gaya	Gaya	7.40 Ha	Geological Reserve:- Mineable Reserve:- 3,90,433 Tonnes Production Per Year (in Ton):- 2,76,181 TPA	12-06-17	Corner A- 25° 02' 20.67" N 84° 52' 35.07" E Corner B- 25° 01' 52.38" N 84° 52' 40.32" E Corner C- 25° 01' 52.64" N 84° 52' 41.92" E Corner D- 25° 02' 20.52" N 84° 52' 36.71" E		276	130	Solahdham Sand Ghat
3.	SIA/1(a)/476/17	Bankey Bazar Sand Ghat on Morhar River of District:-	Village:- Bankey Bazar, Anchal:-	Gaya	22.80 Ha	Geological Reserve:- Mineable	12-06-17	Corner A- 24° 30' 10.10" N 84° 38' 57.70" E Corner B-		202	01	Bank ey Bazar

	Online Proposal No. SIA/BR/MIN/644 83/2017	Gaya, State:- Bihar	Bankey Bazar, Distrcit:- Gaya			Reserve:- 12,34,906 Tonnes Production Per Year (in Ton):- 7,78,468 TPA		24° 30' 19.00" N 84° 38' 58.72" E Corner C- 24° 30' 08.57" N 84° 39' 26.20" E Corner D- 24° 30' 00.67" N 84° 39' 22.94" E				Sand Ghat
4.	Online Proposal No. SIA/BR/MIN/644 00/2017	Upadhayay Sand Ghat on Lilajan River of District:- Gaya, State:- Bihar	Village:- Bodhgaya, Anchal:- Bodhgaya, Distrcit:- Gaya	Gaya	9.90 Ha	Geological Reserve:- Mineable Reserve:- 5,33,374 Tonnes Production Per Year (in Ton):- 2,93,850 TPA	12-06-17	Corner A- 24° 41' 21.65" N 84° 59' 41.86" E Corner B- 24° 41' 28.83" N 84° 59' 40.50" E Corner C- 24° 41' 27.90" N 84° 59' 56.94" E Corner D- 24° 41' 20.57" N 84° 59' 56.51" E		1035	4438	Upad hayay Sand Ghat
5.	Online Proposal No. SIA/BR/MIN/643 82/2017	Pachmahla Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Pachmahla, Anchal:- Tekari, Distrcit:- Gaya	Gaya	22.80 Ha	Geological Reserve:- Mineable Reserve:- 12,88,397 Tonnes Production Per Year (in Ton):- 9,12,078 TPA	12-06-17	Corner A- 24° 57' 22.30" N 84° 51' 48.40" E Corner B- 24° 57' 41.70" N 84° 52' 06.40" E Corner C- 24° 57' 40.49" N 84° 51' 46.66" E Corner D- 24° 57' 24.54" N 84° 51' 38.04" E		86	130	Pach mahl a Sand Ghat
6.	Online Proposal No. SIA/BR/MIN/643 82/2017	Thanapur Balu Ghat on	Village:- Thanapur,	Gaya	13.90 Ha	Geological Reserve:-	12-06-17	Corner A- 25° 01' 04.40" N		168	826	Than apur

	Online Proposal No. SIA/BR/MIN/645 08/2017	Morhar River of District:- Gaya, State:- Bihar	Anchal:- Tekari, Distrcit:- Gaya			Mineable Reserve:- 7,47,140 Tonnes Production Per Year (in Ton):- 5,21,226 TPA		84° 53' 23.90" E Corner B- 25° 00' 41.60" N 84° 53' 16.60" E Corner C- 25° 01' 04.90" N 84° 53' 31.50" E Corner D- 25° 00' 40.85" N 84° 53' 20.10" E				Sand Ghat
7.	SIA/1(a)/495/17 Online Proposal No. SIA/BR/MIN/643 71/2017	Chotiya Sand Ghat on Mohana River of District:- Gaya, State:- Bihar	Village:- Sahbajpur, Anchal:- Khijasarai, Distrcit:- Gaya	Gaya	14.30 Ha	Geological Reserve:- Mineable Reserve:- 7,80,759 Tonnes Production Per Year (in Ton):- 5,16,830 TPA	12-06-17	Corner A- 25° 02' 49.40" N 85° 07' 31.30" E Corner B- 25° 03' 02.20" N 85° 07' 39.60" E Corner C- 25° 03' 06.70" N 85° 07' 26.70" E Corner D- 25° 02' 50.40" N 85° 07' 23.60" E		189	1191	Choti ya Sand Ghat
8.	SIA/1(a)/496/17 Online Proposal No. SIA/BR/MIN/644	Moratal Sand Ghat on Mohana River of District:- Gaya, State:- Bihar	Village:- Moratal, Anchal:- Bodhgaya, Distrcit:- Gaya	Gaya	22 Ha	Geological Reserve:- Mineable Reserve:- 11,89,438 Tonnes Production Per Year (in Ton):- 7,24,738 TPA	12-06-17	Corner A- 24° 42' 12.50" N 85° 00' 59.30" E Corner B- 24° 42' 36.40" N 85° 01' 01.30" E Corner C- 24° 42' 37.68" N 85° 00' 50.18" E Corner D- 24° 42' 12.86" N 85° 00' 48.39" E		401	2091	Moratal Sand Ghat

	73/2017											
9.	SIA/1(a)/ 507/17 Online Proposal No. SIA/BR/ MIN/654 12/2017	Maigara Sand Ghat on Sorhar River of District:- Gaya, State:- Bihar	Village:- Maigara, Anchal:- Dumaria, Distrcit:- Gaya	Gaya	16.0 Ha	Geological Reserve:- 8,65,701 Tonnes Mineable Reserve:- 3,35,290 TPA Production Per Year (in Ton):- 3,35,290 TPA	20-06- 17	Corner A- 24° 26' 27.70" N 84° 31' 15.12" E Corner B- 24° 26' 26.30" N 84° 31' 17.91" E Corner C- 24° 26' 13.46" N 84° 30' 17.90" E Corner D- 24° 26' 16.35" N 84° 30' 17.97" E		206	1040	Maig ara Sand Ghat
10.	SIA/1(a)/ 508/17 Online Proposal No. SIA/BR/ MIN/653 89/2017	Pawan Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Pawan, Anchal:- Gurua, Distrcit:- Gaya	Gaya	20.0 Ha	Geological Reserve:- 10,82,416 Tonnes Mineable Reserve:- 6,52,699 TPA Production Per Year (in Ton):- 6,52,699 TPA	20-06- 17	Corner A- 24° 43' 59.40" N 84° 50' 11.00" E Corner B- 24° 43' 57.74" N 84° 50' 22.47" E Corner C- 24° 43' 34.56" N 84° 50' 15.64" E Corner D- 24° 43' 35.22" N 84° 50' 07.70" E		172	1459	Pawa n Sand Ghat
11.	SIA/1(a)/ 509/17 Online Proposal No. SIA/BR/ MIN/653 86/2017	Majhanpur Sand Ghat on Buddh River of District:- Gaya, State:- Bihar	Village:- Majhanpur, Anchal:- Sherghati, Distrcit:- Gaya	Gaya	22.40 Ha	Geological Reserve:- 12,11,823 Tonnes Mineable Reserve:- 7,37,424 TPA Production Per Year (in Ton):- 7,37,424 TPA	20-06- 17	Corner A- 24° 35' 32.10" N 84° 49' 43.40" E Corner B- 24° 35' 14.60" N 84° 49' 33.30" E Corner C- 24° 35' 09.57" N 84° 49' 40.27" E Corner D-		86	1087	Majh anpu r Sand Ghat

								24° 35' 31.59" N 84° 49' 52.73" E				
12.	SIA/1(a)/ 510/17 Online Proposal No. SIA/BR/ MIN/653 83/2017	Baltharwa Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Baltharwa, Anchal:- Imamganj, District:- Gaya	Gaya	22.0 Ha	Geological Reserve:- 11,91,850 Tonnes Mineable Reserve:- 7,61,058 TPA Production Per Year (in Ton):- 7,61,058 TPA	20-06- 17	Corner A- 24° 30' 30.95" N 84° 38' 18.77" E Corner B- 24° 30' 22.10" N 84° 37' 50.90" E Corner C- 24° 30' 14.00" N 84° 37' 54.76" E Corner D- 24° 30' 24.36" N 84° 38' 18.97" E		244	391	Balth arwa Sand Ghat
13.	SIA/1(a)/ 511/17 Online Proposal No. SIA/BR/ MIN/653 84/2017	Belbar Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Belbar, Anchal:- Imamganj, District:- Gaya	Gaya	22.40 Ha	Geological Reserve:- 11,91,946 Tonnes Mineable Reserve:- 6,98,198 TPA Production Per Year (in Ton):- 6,98,198 TPA	20-06- 17	Corner A- 24° 25' 39.50" N 84° 34' 46.90" E Corner B- 24° 25' 17.60" N 84° 34' 53.30" E Corner C- 24° 25' 17.60" N 84° 35' 03.02" E Corner D- 24° 25' 40.38" N 84° 35' 01.73" E		129	192	Belb ar Sand Ghat
14.	SIA/1(a)/ 512/17 Online Proposal No. SIA/BR/ MIN/653	Sundar/belbi gha Sand Ghat on Falgu River of District:- Gaya, State:- Bihar	Village:- Sundarpur, Anchal:- Belaganj, District:- Gaya	Gaya	23.0 Ha	Geological Reserve:- 12,47,135 Tonnes Mineable Reserve:- 8,06,893 TPA Production Per Year (in Ton):-	20-06- 17	Corner A- 24° 56' 44.30" N 85° 03' 18.41" E Corner B- 24° 56' 27.80" N 85° 03' 08.80"		377	2377	Sun dar/ belbi gha Sand Ghat

	93/2017					8,06,893 TPA		E Corner C- 24° 56' 26.96" N 85° 03' 25.01" E Corner D- 24° 56' 42.06" N 85° 03' 31.16" E				
15.	SIA/1(a) /513/17 Online Proposal No. SIA/BR/ MIN/653 90/2017	Raushangan j Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Raushanga nj, Anchal:- Sherghati, District:- Gaya	Gaya	22.0 Ha	Geological Reserve:- 11,93,157 Tonnes Mineable Reserve:- 7,25,764 TPA Production Per Year (in Ton):- 7,25,764 TPA	20-06- 17	Corner A- 24° 31' 32.20" N 84° 43' 47.20" E Corner B- 24° 31' 20.10" N 84° 43' 25.60" E Corner C- 24° 31' 14.61" N 84° 43' 27.78" E Corner D- 24° 31' 21.67" N 84° 43' 52.49" E		202	617	Raus hang anj Sand Ghat
16.	SIA/1(a) /514/17	Maraha Sand Ghat	Village:- Maraha,	Gaya	23.70 Ha	Geological Reserve:-	20-06- 17	Corner A- 24° 46' 17.80"		64	497	Mar aha

	Online Proposal No. SIA/BR/MIN/653 87/2017	on Buddh River of District:- Gaya, State:- Bihar	Anchal:- Paraiya, Distrcit:- Gaya			12,88,798 Tonnes Mineable Reserve:- 9,33,599 TPA Production Per Year (in Ton):- 9,33,599 TPA		N 84° 50' 00.30" E Corner B- 24° 45' 55.50" N 84° 50' 24.90" E Corner C- 24° 45' 55.82" N 84° 50' 33.69" E Corner D- 24° 45' 55.82" N 84° 50' 33.69" E				Sand Ghat
17.	SIA/1(a) /515/17 Online Proposal No. SIA/BR/MIN/653 94/2017	Chhanchh Sand Ghat on Mohana River of District:- Gaya, State:- Bihar	Village:- Moratal, Anchal:- Bodhgaya, Distrcit:- Gaya	Gaya	23.0 Ha	Geological Reserve:- 12,41,737 Tonnes Mineable Reserve:- 7,38,724 TPA Production Per Year (in Ton):- 7,38,724 TPA		Corner A- 24° 41' 32.90" N 85° 01' 00.60" E Corner B- 24° 41' 53.00" N 85° 00' 59.10" E Corner C- 24° 41' 53.64" N 85° 00' 44.50" E		384	61	Chhanchh Sand Ghat

								Corner D- 24° 41' 31.72" N 85° 00' 49.02" E				
18.	SIA/1(a) /516/17 Online Proposal No. SIA/BR/ MIN/654 13/2017	Raniganj Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Raniganj, Anchal:- Imamganj, District:- Gaya	Gaya	23.30 Ha	Geological Reserve:- 12,62,588 Tonnes Mineable Reserve:- 6,86,538 TPA Production Per Year (in Ton):- 6,86,538 TPA		Corner A- 24° 26' 45.00" N 84° 35' 57.10" E Corner B- 24° 27' 20.84" N 84° 36' 13.20" E Corner C- 24° 27' 20.09" N 84° 36' 08.91" E Corner D- 24° 26' 52.96" N 84° 35' 55.49" E		244	1	Rani ganj Sand Ghat
19.	SIA/1(a) /517/17 Online Proposal No. SIA/BR/	Palhat Kutia Sand Ghat on Buddh River of District:- Gaya, State:- Bihar	Village:- Palhat Kutia, Anchal:- Sherghati, District:- Gaya	Gaya	16.80 Ha	Geological Reserve:- 9,02,534 Tonnes Mineable Reserve:- 5,37,620 TPA Production Per		Corner A- 24° 34' 06.37" N 84° 48' 50.92" E Corner B- 24° 34' 23.00" N		60	1	Palh at Kuti a Sand Ghat

	MIN/653 88/2017					Year (in Ton):- 5,37,620 TPA		84° 48' 57.20" E Corner C- 24° 34' 26.57" N 84° 48' 50.42" E Corner D- 24° 34' 06.38" N 84° 48' 38.85" E				
20.	SIA/1(a) /518/17 Online Proposal No. SIA/BR/ MIN/653 85/2017	Chotiya II Sand Ghat on Mohana River of District:- Gaya, State:- Bihar	Village:- Sahbajpur, Anchal:- Khijarsara i, Distrcit:- Gaya	Gaya	14.80 Ha	Geological Reserve:- 7,91,064 Tonnes Mineable Reserve:- 5,18,882 TPA Production Per Year (in Ton):- 5,18,882 TPA		Corner A- 25° 02' 24.30" N 85° 07' 28.70" E Corner B- 25° 02' 25.20" N 85° 07' 24.10" E Corner C- 25° 01' 59.60" N 85° 07' 10.10" E Corner D- 25° 01' 59.90" N 85° 07' 16.50" E		189	482	Chot iya II Sand Ghat
21.	SIA/1(a)	Singha Sand	Village:-	Gaya	11.50 Ha	Geological		Corner A-		348	01	Sing

	/520/17 Online Proposal No. SIA/BR/ MIN/653 91/2017	Ghat on Paimar River of District:- Gaya, State:- Bihar	Singha, Anchal:- Nimchak Bhatni, District:- Gaya			Reserve:- 6,29,545 Tonnes Mineable Reserve:- 3,41,953 TPA Production Per Year (in Ton):- 3,41,953 TPA		24° 58' 44.60" N 85° 14' 23.00" E Corner B- 24° 59' 11.10" N 85° 14' 31.10" E Corner C- 24° 59' 11.15" N 85° 14' 27.16" E Corner D- 24° 58' 46.72" N 85° 14' 18.66" E				ha Sand Ghat
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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;

During the presentation the committee observed that the mining plan is not approved by Mines and Geology Department, Govt. of Bihar. As such the committee recommended Environmental Clearance with condition that the proponent will submit approved Mining plan to SEIAA, Bihar. The Committee also directed to submit Divisional Forest Officer (D.F.O.), Gaya Report regarding protected Forest, Reserve Forest, and Wild life Sanctuary to SEIAA, Bihar. Subject to the submission of Approved Mining Plan and Report from DFO regarding Protected Forest, Reserve Forest, and Wild life Sanctuary ,E.C. is recommended with following conditions to be included in E.C. conditions.

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. In this regard it was suggested that the proponent should develop a kid zone in Gandhi Maidan Gaya, after discussion with District Magistrate, Gaya and Gaya Municipal Corporation with all basic/modern play activities as in Eco-park Patna. It was also advised that 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.

5. The Project Proponents has been directed by Committee to submit Six Monthly Compliance report with Satellite picture procured from National Remote Sensing Center, Hyderabad of individual Sand ghats within 1:15,000 scales.



Sand Mining Projects (Under Compliance)

District Name:- Gaya

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	Thana No.	Khata No.	Khesra No.	Name of Ghat
1.	SIA/1(a)/467/17 Online Proposal No. SIA/BR/MIN/64469/2017	Patiauna Sand Ghat on Lilajan River of District:- Gaya, State:- Bihar	Village:- Patiauna, Anchal:- Barachatti, District:- Gaya	Gaya	18 Ha	Geological Reserve:- Mineable Reserve:- 9,74,344 Tonnes Production Per Year (in Ton):- 7,19,903 TPA	12-06-17	Corner A- 24° 33' 52.42" N 84° 56' 59.80" E Corner B- 24° 34' 08.36" N 84° 57' 19.90" E Corner C- 24° 34' 11.77" N 84° 57' 08.64" E Corner D- 24° 33' 54.85" N 84° 56' 51.17" E		92	08	Patiauna Sand Ghat
2.	SIA/1(a)/468/17 Online Proposal No. SIA/BR/MIN/64376/2017	Hardawan Sand Ghat on Lilajan River of District:- Gaya, State:- Bihar	Village:- Hardawan, Anchal:- Dobhi, District:- Gaya	Gaya	22 Ha	Geological Reserve:- Mineable Reserve:- 11,94,109 Tonnes Production Per Year (in Ton):- 7,56,932 TPA	12-06-17	Corner A- 24° 28' 54.50" N 84° 52' 11.80" E Corner B- 24° 28' 23.30" N 84° 52' 13.20" E Corner C- 24° 28' 23.55" N 84° 52' 19.79" E Corner D- 24° 28' 54.88" N 84° 52' 19.80" E		47	326	Hardawan Sand Ghat
3.	SIA/1(a)/469/17	Nigri Balu Ghat on	Village:- Nigri,	Gaya	23.60 Ha	Geological Reserve:-	12-06-17	Corner A- 24° 33' 07.60" N		208	1930	Nigri Sand

	Online Proposal No. SIA/BR/MIN/ 64503/2017	Lilajan River of District:- Gaya, State:- Bihar	Anchal:- Dobhi, Distrcit:- Gaya			Mineable Reserve:- 12,76,560 Tonnes Production Per Year (in Ton):- 7,82,759 TPA		84° 55' 43.20" E Corner B- 24° 32' 53.30" N 84° 55' 29.10" E Corner C- 24° 32' 50.44" N 84° 55' 41.83" E Corner D- 24° 33' 06.46" N 84° 55' 57.31" E				Ghat
4.	SIA/1(a)/519/1 7 Online Proposal No. SIA/BR/MIN/ 65392/2017	Singhapur Sand Ghat on Morhar River of District:- Gaya, State:- Bihar	Village:- Singhapur , Anchal:- Tekari, Distrcit:- Gaya	Gaya	22.30 Ha	Geological Reserve:- 12,08,261 Tonnes Mineable Reserve:- 6,85,314 TPA Production Per Year (in Ton):- 6,85,314 TPA		Corner A- 24° 55' 12.20" N 84° 51' 41.20" E Corner B- 24° 54' 33.50" N 84° 51' 56.20" E Corner C- 24° 54' 34.10" N 84° 51' 59.82" E Corner D- 24° 55' 12.11" N 85° 51' 49.13" E		200	95	Singhapur Sand Ghat

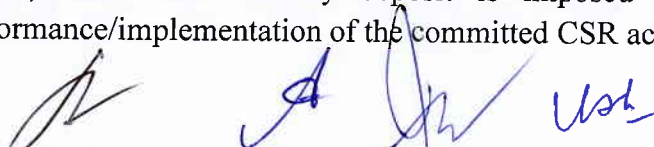
The Proponent & Consultant presented the proposal before the committee. The Proponent submitted vide affidavit that

- 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 has submitted a letter from Gaya Divisional Forest Officer (D.F.O.) mentioning that these ghats are sufficiently away from PF/RF and sanctuary land.

During the presentation the committee that the observed mining plan is not approved by Mines and Geology Department, Govt. of Bihar as such the committee recommended Environmental Clearance with condition that the proponent will submit Approved Mining plan to SEIAA, Bihar. . Subject to the submission as Approved Mining Plan is recommended with following conditions to be included in E.C. conditions.

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. In this regard it was suggested that the proponent develop a kid zone in Gandhi Maidan Gaya after discussion with District Magistrate ,Gaya and Gaya Municipal Corporation with all basic/modern play activities as in Eco park Patna. It was also advised that 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.



5. The Project Proponents has been directed by Committee to submit Six Monthly Compliance report with Satellite picture procured from National Remote Sensing Center, Hyderabad of individual Sand ghats within 1:15,000 scales.



Sand Mining Projects (Under Compliance)

District Name:- Gaya

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	Thana No.	Khata No.	Khesra No.	Name of Gh
1.	SIA/1(a)/481/17 Online Proposal No. SIA/BR/MIN/64370/2017	Bhaluachatti Bajinathpur Sand Ghat on Mohana River of District:- Gaya, State:- Bihar	Village:- Bhaluachatti, Anchal:- Barachatti, District:- Gaya	Gaya	15.40 Ha	Geological Reserve:- Mineable Reserve:- 8,32,424 Tonnes Production Per Year (in Ton):- 5,69,092 TPA	12-06-17	Corner A- 24° 27' 38.17" N 85° 08' 19.34" E Corner B- 24° 27' 38.25" N 85° 08' 28.86" E Corner C- 24° 28' 03.90" N 85° 08' 15.03" E Corner D- 24° 28' 04.21" N 85° 08' 18.78" E		41	03	Bhaluachatti Bajinathpur Sand Ghat

[Handwritten signatures]

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 has submitted a letter from Gaya Divisional Forest Officer (D.F.O.) mentioning that these Ghats are 0 K.M away from PF/RF and sanctuary land. So Committee reject^{ed} mining proposal _____ for this ghat .



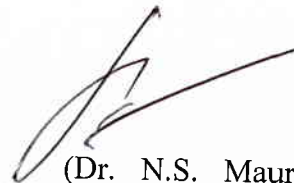
Apart from that, the committee also decided the following for all projects before the grant of environmental clearance.

- (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 may be procured from all the proponents.
- (III) The aforementioned two Clauses I & II should be also applicable for the cases recommended by 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)

 29/6/17

(Alok Kumar)
Secretary, SEAC

 29/06/17

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

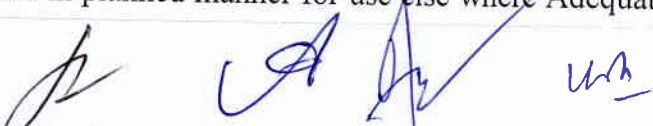
Annexure:- I

Environmental Clearance Condition of Building Construction Projects.

PART A – GENERAL CONDITIONS

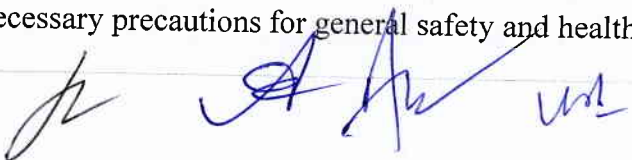
I. Pre- Construction Phase

- i. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel (kerosene/gas) for cooking, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after completion of the project.
- ii. Provision of drinking water, waste water disposal, solid wastes management and primary health facilities shall be ensured for labour force. Proper sanitation facilities shall be provided at the construction site to prevent health related problems. Domestic as well as sanitary wastes from construction camps shall be cleared regularly.
- iii. Adequate safety measures shall be adopted for the construction workers.
- iv. All the labourers to be engaged for construction works shall be screened for health and adequately treated before issue of work permits. The contractor shall ensure periodic health check-up of construction workers.
- v. Fencing of the project boundary before start of construction activities.
- vi. Use of energy efficient construction materials shall be ensured to achieve the desired thermal comfort.
- vii. Use of fly ash based bricks/blocks/tiles/products shall be explored to the maximum extent possible.
- viii. Lay out of proposed buildings and roads within premises etc. shall be made in such a way that it shall cause minimum disturbance to existing flora and fauna. Appropriate green belt shall developed to compensate the habitat loss of tree cutting (if any) from competent authority as per prevailing Act/Rules. The exotic species existing within the existing premises, if any, shall be protected. The greening programme shall include planation of both exotic and indigenous species.
- ix. Dedicated pedestrian paths shall be provided along the proposed Buildings. Appropriate access shall be provided for physically challenged people in the Pedestrian Paths.
- x. The design of service roads and the entry and exit from the buildings shall conform to the norms & standards prescribed by the State Public Works Department.
- xi. The road system shall have the road cross sections for general traffic, exclusive ways for public mass transport (bus) system, pedestrian paths and ways, utility corridors and green strip.
- xii. Topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site. Balance top soil should be disposed at in planned manner for use else where Adequate erosion and sediment



- control measures to be adopted before ensuing construction activities.
- xiii. Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans including top soil should be developed prior to beginning of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.
 - xiv. Disposal of muck including excavated material during construction phase should not create any adverse effects in the neighborhood and the same shall be disposed of taking the necessary precautions for general safety and health aspects.
 - xv. 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 seen on the website of the 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 this Ministry at Bhubaneswar.
 - xvi. Risk assessment study along with Disaster Management Plan (DMP) shall be prepared. The mitigation measures for disaster prevention and control shall be prepared and get approval from competent authority. All other statutory clearances/licenses/permissions from concerned State Governments Departments, Boards and Corporations shall be obtained for directions issued by Central Government/State Government, Central Pollution Control Board/Bihar State Pollution Control Board.
 - xvii. Baseline Environmental Condition of Project area i.e. Monitoring of AAQ as per NAAQS 2009, Monitoring of Ambient Noise Level & Analysis of Ground Water Samples should be conducted and report should be submitted to State Environment Impact Assessment Authority (SEIAA), Bihar and Bihar State Pollution Control Board (BSPCB), Patna prior to start of construction activities.

II. Construction Phase

- i. It shall be ensured that the construction debris is properly stored on the site prior to disposal. Such requirements shall be made part of the contractor agreement.
 - ii. All the top soil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site. Proper erosion control and sediment control measures shall be adopted.
 - iii. Earth material generated from excavation shall be reused to the maximum possible extent as filling material during site development. The construction debris and surplus excavated material shall be disposed off by mechanical transport through the Patna Municipal Corporation.
 - iv. Disposal of muck, including excavated material during construction phase, shall not create any adverse effects on the neighbouring communities and shall be disposed off taking the necessary precautions for general safety and health aspects.
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- v. Low Sulphur diesel generator sets should be used during construction phase. Diesel generator sets during construction phase shall have acoustic enclosures and shall conform to Environment (Protection) Rules, 1986 prescribed for noise emission standards.
- vi. All vehicles/equipment deployed during construction phase shall be ensured in good working condition and shall conform to applicable air and noise emission standards. These shall be operated only during non-peaking hours.
- vii. Ambient noise levels shall conform to the standards prescribed by MoEF, Govt. of India.
- viii. The protective equipment such as nose mask, earplugs etc. shall be provided to construction personnel exposed to high noise levels.
- ix. Construction spoils, including bituminous material and other hazardous materials including oil from construction equipment must not be allowed to contaminate soil/ground water. The dumpsites for such material must be secured so that they shall not leach into the ground water.
- x. Proper and prior planning, sequencing and scheduling of all major construction activities shall be done. Construction material shall be stored in covered sheds. Truck carrying soil, sand and other construction materials shall be duly covered to prevent spilling and dust emission. Adequate dust suppression measures shall be undertaken to control fugitive dust emission. Regular water sprinkling for dust suppression shall be ensured.
- xi. Use of Ready-Mix concrete is recommended for the project.
- xii. Accumulation/stagnation of water shall be avoided ensuring vector control.
- xiii. Regular supervision of the above and other measures shall be in place all through the construction phase so as to avoid disturbance to the surroundings.
- xiv. Water during construction phase should be preferred from Municipal supply.
- xv. All directions of the Airport Authority, Director of Explosives and Fire Department etc. shall be complied.
- xvi. Unskilled construction labourers shall be recruited from the local areas.
- xvii. Provisions shall be made for the integration of solar water heating system.
- xviii. Provision of vermin-composting for the biodegradable solid wastes generated from the proposed extension buildings as well as the large amount of biomass that shall be available from the tree plantation shall be made.
- xix. Monitoring of ground water table and quality once in three months shall be carried out. Construction of tube wells, bore wells shall be strictly regulated.
- xx. Permeable (porous) paving in the parking areas, and walkways should be used to control surface runoff by allowing storm water to infiltrate the soil and return to ground water.
- xxi. All intersections shall be designed and developed as roundabouts.
- xxii. All utility lines (electricity, telephone, cable, water supply, sewage, drainage, etc. shall be laid below ground level. Ducts shall be provided along and across the roads to lay the utility lines. Major trunk (water/sewerage) lines are to be laid along the utility corridor.
- xxiii. The road drainage shall be designed to enable quick runoff of surface water and prevent water logging.



- xxiv. Adequate provision shall be made to cater the parking needs. Parking spaces standards as given in "Manual on Norms and Standards for Environmental Clearance of Large Construction Projects" issued by Ministry of Environment and Forests, Government of India shall be adopted.
- xxv. Rest room facilities shall be provided for service population.
- xxvi. Monitoring of AAQ as per NAAQS 2009, Monitoring of Ambient Noise Level & Analysis of Ground Water Samples, should be conducted and report should be submitted on monthly basis to SEIAA, Bihar & BSPCB, Patna.

Water Body Conservation :-

- i. Water body falling within premises (if any) shall not be lined or no embankment shall be cemented. The water bodies, if any, shall be kept in natural conditions without disturbing the ecological habitat.
- ii. Improvement or rehabilitation of existing nallas (if any) shall be carried out without disturbing the ecological habitat.

III. Post Construction/Operation Phase

- i. The environmental safeguards and mitigation measures contained in the application shall be implemented in letter and spirit.
- ii. All the conditions, liabilities and legal provisions contained in the Environmental Clearance shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity. Ground water shall not be abstracted without prior permission from the competent authority.
- iii. The storm water management plan shall be implemented in such a manner that the storm water is discharged through an existing dedicated Storm Water Outfall only.
- iv. The height of the stack of the DG sets should be as per norms of CPCB.
- v. Medical (First-Aid) facility must be provided for visitors & employees. Para-medical staff should be attached as Medical facility provider.
- vi. ~~Plantation along the side of the buildings & roads and in the open spaces shall be developed to act as sinks of air pollutants. The plantation of trees shall be completed in the construction stage. The plantations shall consist of mixture of available indigenous, fast growing and sturdy species of trees, shrubs and herbs. Preferential plantation of flowering trees with less timber and fruits value shall be carried out.~~
- vii. Two chambered container or two separate containers (one for recyclable wastes and other for all organic and compostable wastes) shall be placed at appropriate distance on the roadsides and inside the building. Covered dustbins/garbage collector in convenient places to collect the Municipal solid wastes shall be provided.
- viii. Proper composting / vermi-composting of municipal solid wastes shall be carried out. All municipal solid wastes shall be segregated, collected, transported, treated



and disposed as per provisions of the Municipal Solid Wastes (Management and Handling) Rules, 2000 (As amended).


- ix. The use of hand gloves, shoes and safety dress for all waste collectors and sorters shall be enforced.

IV. Entire Life of the Project

- i. The project proponent should implement Environmental Monitoring Programme as per details submitted in EMP.
- ii. No expansion/modification activity should be carried out obtaining prior Environmental Clearance as per EIA Notification 2006/
- iii. Monitoring of AAQ as per NAAQS 2009, Monitoring of Ambient Noise Level & Analysis of Ground Water Samples, Monitoring of Stock Emissions & Testing of Effluent from DG sets should be conducted and report should be submitted on monthly basis to SEIAA, Bihar & BSPCB, Patna.

PART B- SPECIFIC CONDITIONS

I. Pre-Construction Phase

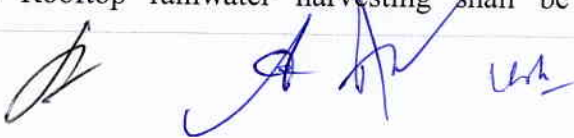
- i. Project Proponent should obtain prior consent to establish (NOC) under Section 25 & 26 of the Water (Prevention & Control of Pollution) Act' 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act' 1981 from State Pollution Control Board before start of construction activities.
 - ii. It was also advised that 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.
 - iii. Project Proponent should obtain prior permission for ground water withdrawal from CCWA/CGWD if applicable.
 - iv. Construction shall conform to the requirements of local seismic regulations. The project proponent shall obtain permission for the plans and designs including structural design, standards and specifications of all construction work from concerned authority.
 - v. Use of energy efficient construction materials to achieve the desired thermal comfort shall be incorporated. The desired level of roof assembling "U" factor and insulation "R" value must be achieved. Roof assembling "U" factor for the top roof shall not exceed 0.4 watt/sq.m./degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 shall be strictly followed.
 - vi. Street/Corridor lighting shall be energy efficient. The High Pressure Sodium Vapour (HPSV) Lamps & Compact Fluorescent Lamps (CFL) along Building
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- premises shall be provided. High intensity, high mast lights to be installed at few strategic points. Solar energy may be used for outdoor lighting.
- vii. Reduction of hard paving-onsite (Open area surrounding all buildings) and/or provision of shades on hard paved surfaces to minimize heat island effect and imperviousness of the site should be undertaken.
 - viii. All proposed air/conditioned buildings should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency.
 - ix. Monitoring of AAQ as per NAAQs 2009, Monitoring of Ambient Noise Level & Analysis of Ground Water Samples, Monitoring of Stack Emissions from DG sets should be conducted, and reports should be submitted on monthly basis to SPCB.

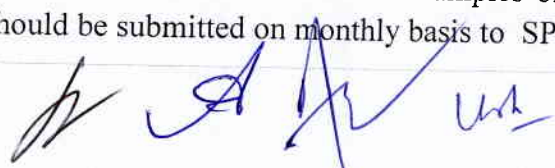
II. Construction Phase

- i. All the conditions laid down in NOC issued by SPCB should be strictly complied with during entire construction cycle of the Project.
- ii. The water treatment plant shall be provided for treatment of water. The treatment shall include screening, sedimentation, filtration and disinfections. Appropriate arrangement shall be made for treatment and reuse of backwash water of filtration plant.
- iii. Project proponent shall provide adequate measuring arrangement at the inlet point of water uptake and at the discharge point for the measurement of water utilized in different categories and monitoring daily water consumption.
- iv. Regular water sprinkling shall be done all around the site to minimize fugitive dust emission during construction activities.
- v. Rain water harvesting structures should be provided as per submitted Plan.

III. Post Construction/Operation Phase

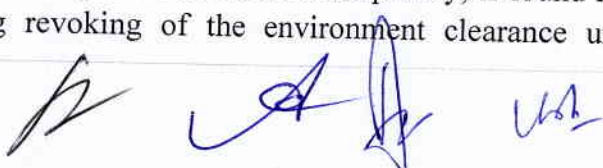
- i. Project Proponent should obtain prior consent to operate under Air Act, 1981 & Water Act, 1974 from State Pollution Control Board before commissioning of the project.
 - ii. Water saving practices such as usage of water saving devices/fixtures, low flushing systems, sensor based fixtures, auto control walls, pressure reducing devices etc. should be adopted.
 - iii. Water budget should be adopted as per the plan submitted in the supplementary Form I A & EMP.
 - iv. All the generated domestic effluent should be sent to ETP/STP for treatment & further recycling & reuse.
 - v. Treated water recovered from STP would be used for flushing the toilets, gardening purpose, make up water in air conditioning systems, etc. As proposed, Fluidized Bed Reactor (FBR) type sewage treatment plant should be installed. The Sewage Treatment Plant shall be ensured before the completion of Building Complex.
 - vi. Rainwater from open spaces shall be collected and reused for landscaping and other purposes. Rooftop rainwater harvesting shall be adopted for the proposed
- 

- Buildings. Every building of proposed extension project shall have rainwater-harvesting facilities. Before recharging the surface runoff, pre-treatment must be done to remove suspended matter and oil and grease.
- vii. Municipal solid wastes generated in the proposed extension buildings shall be managed and handled in accordance with the compliance criteria and procedure laid down in Schedule- II of the Municipal Wastes (Management and handling) Rules, 2000 (As amended).
 - viii. The standard for composting & treated leachates as mentioned in Schedule-IV of the Municipal Wastes (Management and handling) Rules, 2000 (As amended) shall be followed.
 - ix. All hazardous wastes shall be segregated, collected, transported, treated and disposed as per provisions of the Hazardous Wastes (Management and Handling) Rules, 1989 (As amended).
 - x. Recycling of all recyclable wastes such as newspaper, aluminium cans, glass bottles, iron scrap and plastics etc. shall be encouraged through private participation. Project proponent shall take appropriate action to ensure minimum utilization of plastic carry bags and plastic small containers etc. within the proposed buildings shall be ensured.
 - xi. Project proponent shall operate and maintain the sewage collection/conveyance system, sewage pumping system and sewage treatment system regularly to ensure the treated water quality within the standards prescribed by Ministry of Environment and Forests, Government of India.
 - xii. Properly treated and disinfected (Ultra Violet Treatment) sewage shall be utilized in flushing the toilets, gardening purpose, make up water in air conditioning systems etc.
 - xiii. Non-mixing of faecal matter with the municipal solid wastes shall be strictly ensured.
 - xiv. Non-mixing of sewage/sludge with rainwater shall be strictly ensured.
 - xv. Noise barriers shall be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. D.G. sets shall be provided with necessary acoustic enclosures as per Central Pollution Control Board norms.
 - xvi. Back up supply shall be based on natural Gas/cleaner fuel subject to their availability.
 - xvii. The project proponent shall resort to solar energy at least for street lighting and water heating for Proposed Building Complex, gardens/park areas.
 - xviii. During maintenance, energy efficient electric light fittings & lamps- low power ballasts, low consumption high power luminaries, lux level limiters & timers for street lighting shall be provided.
 - xix. A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, "R" and "U" factors etc.
 - xx. Monitoring of AAQ as per NAAQS 2009, Monitoring of Ambient Noise Level & Analysis of Ground Water Samples, Monitoring of Stack Emissions from DG sets & Testing of Untreated & treated effluent samples of STPs should be conducted and report should be submitted on monthly basis to SPCB.



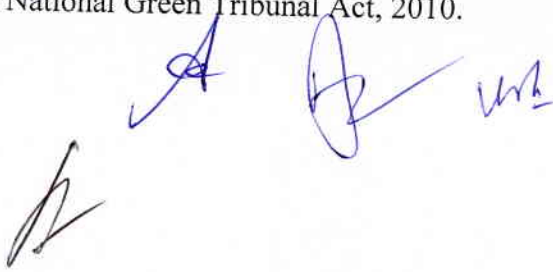
IV. Entire Life of the Project

- i. All the conditions laid down in NOC & consent to operate issued by SPCB should be strictly complied with during entire life cycle of the project.
- ii. Monitoring of Ambient Noise Level & Analysis of Ground Water Samples, Monitoring of Stack Emissions from DG Sets & Testing of Untreated & treated effluent samples of STPs should be conducted and reports should be submitted on monthly basis to SPCB.
- iii. The project authorities shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPC rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- iv. The overall noise levels in and around the project 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).
- v. The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by SEIAA, Bihar with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- vi. Plantation along the side of the buildings & roads and in the open spaces shall be developed to act as sinks of air pollutants. The plantation of trees shall be completed in the construction stage. The plantations shall consist of mixture of available indigenous, fast growing and sturdy species of trees, shrubs. 15% of the total plot area shall be used for plantations.
- vii. Whenever developer will hand over building to the society, the developer must mention in the agreement or sale deed that 15% green belt area of total plot area should mentioned & Environmental Conditions given by SEIAA, Bihar has to be complied.
- viii. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/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 proponent.
- ix. The funds earmarked for the environmental protection measures shall not be diverted for other purposes.
- x. In case of any changes in the scope of the project, the project shall require a fresh appraisal by the SEAC/SEIAA.
- xi. 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.

- xii. 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.

Three handwritten signatures in blue ink are visible. The first signature on the left is a stylized 'h' or 'k'. The second signature in the middle is a stylized 'A'. The third signature on the right is a stylized 'B' followed by a checkmark-like flourish.

Annexure:- II

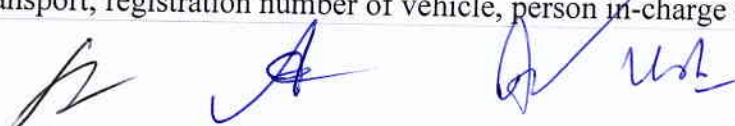
Environmental Clearance Condition for Recommended Sand Mining Projects

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.



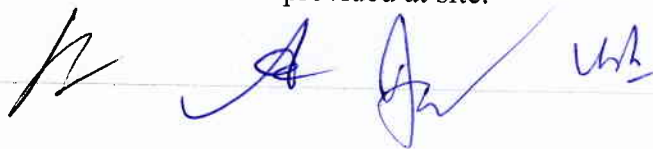
48. Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
49. No stacking of sand is allowed on road side along national highways.
50. 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. It was also advised that 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.
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 plantations shall consist of mixture of available indigenous, fast growing and sturdy species of trees, shrubs. 33% .
28. 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.

