

STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR

2nd Floor, BELTRON Bhawan, Shastri Nagar, Patna – 800023.

Ref. No. - 20

Patna Dated: - 10/01/2024

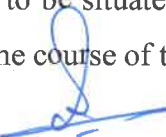
MINUTES OF 33rd MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR CONSTITUTED ON 12.08.2021

VENUE: SEIAA Office

DATE: 06th January, 2024.

Minutes/Proceeding of the Meeting

- 1. Opening Remarks of the Chairman:** The Chairman and Members extended a warm welcome to each other and among participants of the meeting. Thereafter, the meeting was opened for the proceedings as per the agenda adopted for the meeting.
- 2. Confirmations of Minutes of 32nd Meeting (32/2023) vide Ref. No.- 487, dated:- 28.12.2023 of State Expert Appraisal Committee held on 23rd December, 2023.** The State Expert Appraisal Committee, hereinafter referred to as SEAC, was informed that no representation has been received regarding projects considered in the meeting held on 23rd December, 2023 but a typo errors were observed in the said Minutes of the meeting. So, in the said minutes in agenda item no.17, 18, 19, 20, 21, 22 and 23 in the place of P&M Solution, it may be read as “Oceao-Enviro Management Solutions (India) Private Limited”. The minutes of the said SEAC meeting was confirmed by the Committee.
- 3. Consideration of Proposals:** The SEAC considered the proposals received as per the agenda adopted for the 33rd meeting (33/2023) vide Ref. No. - 03, dated - 04.01.2024 and Ref. No. - 13, dated - 05.01.2024. The key points of the deliberations held were as follows.
- 4. Observation:** Some ghats were found to be situated on the concave side of the river and mining at such ghats may change the course of the river. On the other hand, plenty



of sand deposition was seen outside some ghats, so precaution should be taken to stop any kind of illegal mining activity nearby such ghats. In future, whenever the DSR is amended, such ghats situated in the concave side of river should be removed and the area on convex side where sand is available and not included in the present District Survey Report (DSR), should be included in the potential site for mining.

5. With regard to the proposals submitted for the Real-estate / apartment / Residential building projects, industry, Sand Mining project, etc. and various issues concerning the green belt area / greenery, public health hazards, and status of Waste Management, etc. were thoroughly discussed and scrutinized.

Consideration of Environmental Clearance Proposal

AGENDA ITEM NO. 01

Sand Mining Project on Cluster/Unit No.-01, Block-01 & 02 on Bagmati River of District- Darbhanga, Area- 11.0 Ha, (File No.- SIA/1(a)/2333/2023), Online Proposal No.:- SIA/BR/MIN/444351/2023).

Proponent:- Shri Amit Kumar

Consultant:- Rian Enviro Private Limited,

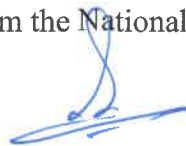
Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 20th March, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2333/2023, dated 24.03.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 24.08.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 17.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 240, dated 23.05.2022.

The Project Proponent along with their environmental consultant Rian Enviro Private Limited, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed

proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).



AGENDA ITEM NO. 02

Sand Mining Project on river Barnar at Jamui Block No.-05 Sand Ghat of Jamui district, Area –42.60 Ha (File No.:- SIA/1(a)/2272/2023). Online Proposal No.:- SIA/BR/MIN/445759/2023).

Proponent:-Shri Brahmdeo Prasad

Consultant: - P & M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 30th January, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2272/2023, dated 02.02.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 26.06.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 26.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent submitted a letter stating that due to short notice, he is unable to attend the said meeting. Therefore the committee deferred the proposal for the next meeting.

AGENDA ITEM NO. 03

Sand Mining Project on river Barnar at Jamui Block No.-15 Sand Ghat of Jamui district, Area – 26 Ha (File No.:- SIA/1(a)/2338/2023). Online Proposal No.:- SIA/BR/MIN/445968/2023).

Proponent:-M/s Ritesh Kumar Singh

Consultant: - P & M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31th March, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2338/2023, dated 06.04.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 14.07.2023. Final EIA report was submitted by Project

Proponent in the prescribed format to SEIAA, Bihar on 31.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.



7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 04

Sand Mining Project on river Barnar at Jamui Block No.-16 Sand Ghat of Jamui district, Area – 16.30 Ha (File No.:- SIA/1(a)/2339/2023). Online Proposal No.:- SIA/BR/MIN/446106/2023).

Proponent:-M/s Shambhu Nath Choudhary

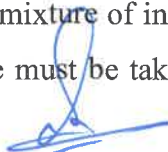
Consultant: - P & M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31th March, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2339/2023, dated 06.04.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 14.07.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 31.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5



feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.

2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 05

Sand Mining Project on Sursar River at Saharsa Sursar River Unit-03 (Sahsaul Sand Ghat Block-01, Sahsaul Block-02 & Nanauti Sand Ghat Block-03), of District- Saharsa, Area- 9.80 Ha, (File No.- SIA/1(a)/2387/2023), Online Proposal No.:- SIA/BR/MIN/446253/2023).

Proponent:- M/s Ratan Coal Supplier Pvt. Ltd.

Consultant:- P&M Solution,

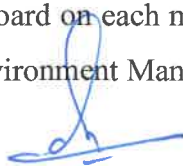


Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 10th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2387/2023, dated 11.05.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 28.08.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 06.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 257, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).



5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 06

Sand Mining Project on Tilawe River at Saharsa Tilawe River Unit-01 (Tulsiyahi Sand Ghat Block-01, Dakra Bhaptiya Sand Ghat Block-02 & Sital-Patti Sand Ghat Block-03), of District- Saharsa, Area- 8.15 Ha, (File No.- SIA/1(a)/2395/2023), Online Proposal No.:- SIA/BR/MIN/446668/2023).

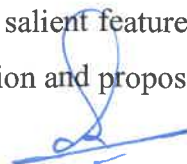
Proponent:-Shree Abhishek Kumar Singh

Consultant:- P&M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 15th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2395/2023, dated 20.05.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 13.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 04.10.2023 for obtaining Environmental Clarence (EC).

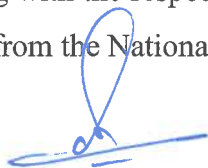
The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 257, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable,



hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
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6. The Project Proponent must maintain existing ponds nearby, if any.
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8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).



AGENDA ITEM NO. 07

Sand Mining Project on Lokain River at Nalanda Lokain-02 Sand Ghat (Lokain-05) Balu Ghat of District- Nalanda, Area- 10.0 Ha, (File No.- SIA/1(a)/2441/2023), Online Proposal No.:- SIA/BR/MIN/446693/2023).

Proponent:- Mr. Pappu Kumar

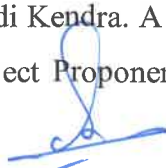
Consultant:- Rian Enviro Private Limited.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 14th June, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2441/2023, dated 14.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 30.08.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 20.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 232, dated 23.05.2022.

The Project Proponent along with their environmental consultant Rain Enviro Private Limited, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned



District Magistrate and the concerned district level officers of the concerned departments.

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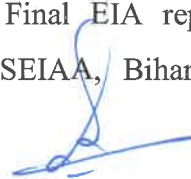
AGENDA ITEM NO. 08

Sand Mining Project on Lokain River at Nalanda Lokain-03 (Sand Ghat-06) Balu Ghat of District- Nalanda, Area- 12 Ha, (File No.- SIA/1(a)/2434/2023), Online Proposal No.:- SIA/BR/MIN/446699/2023).

Proponent:- Mr. Dinanath Singh

Consultant:- Rian Enviro Private Limited.

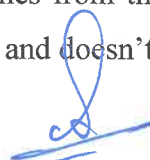
Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 06th June, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2434/2023, dated 09.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 02.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 20.10.2023 for obtaining Environmental Clarence (EC).



The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 232, dated 23.05.2022.

The Project Proponent along with their environmental consultant Rain Enviro Private Limited, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
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8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 09

Sand Mining Project on Unit No.-01, on Mahananda, Budhi Kankai & Dahuk River of District- Kishanganj, Area- 99.2 Ha, (File No.- SIA/1(a)/2421/2023), Online Proposal No.:- SIA/BR/MIN/449467/2023).

Proponent:-Mr. Athar Hussain,

Consultant:- P & M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31st May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2421/2023, dated 02.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 08.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 26.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 242, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

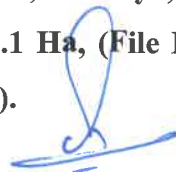
1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water

Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.

3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).
9. Before start of mining activities a reconnaissance survey will be carried out by project proponent regarding availability and movement of Gangetic Dolphin in the vicinity of the sand mining area. If any movement and availability of Gangetic Dolphin is reported in the area & the nearest Authority of the Environment, Forest and Climate Change Department, Govt. of Bihar, should be intimated and for the time being mining should be stopped. Mining should restarted after getting No Objection Certificate from the concerned department / Authority.

AGENDA ITEM NO. 10

Sand Mining Project on Unit No.-05, on Dahuk, Gauriya, Mahananda, Mechi & Kankai River of District- Kishanganj, Area- 91.1 Ha, (File No.- SIA/1(a)/2423/2023), Online Proposal No.:- SIA/BR/MIN/449624/2023).



Proponent:- M/s Geeta Enterprises

Consultant:- P & M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31st May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2423/2023, dated 01.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 08.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 26.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 242, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.



4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).
9. Before start of mining activities a reconnaissance survey will be carried out by project proponent regarding availability and movement of Gangetic Dolphin in the vicinity of the sand mining area. If any movement and availability of Gangetic Dolphin is reported in the area & the nearest Authority of the Environment, Forest and Climate Change Department, Govt. of Bihar, should be intimated and for the time being mining should be stopped. Mining should restarted after getting No Objection Certificate from the concerned department / Authority.

AGENDA ITEM NO. 11

Sand Mining Project on Cluster-04, (Bhaduar, Jhanjharpur & Sohrai Balu Ghat) on Kamla Balan River of District- Madhubani Area- 13.63 Ha, (File No.- SIA/1(a)/2401/2023), **Online Proposal No.:- SIA/BR/MIN/449894/2023).**

Proponent:- Sri Ajay Kumar Jha,

Consultant:- Oceao – Enviro Management Solutions (India) Pvt. Ltd.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 17th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2401/2023, dated 20.05.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 12.09.2023. Final EIA report was submitted by Project

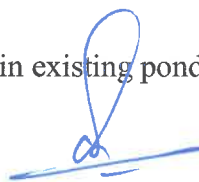


Proponent in the prescribed format to SEIAA, Bihar on 31.10.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 252, dated 23.05.2022.

The Project Proponent along with their environmental consultant Oceao – Enviro Management Solutions (India) Pvt. Ltd. made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.



7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 12

Sand Mining Project on Sakri River at Nalanda Sakri-05 (Sand Ghat-02) Balu Ghat of District- Nalanda, Area- 7.0 Ha, (File No.- SIA/1(a)/2442/2023), Online Proposal No.:- SIA/BR/MIN/450336/2023).

Proponent:- M/s Kavita Construction,

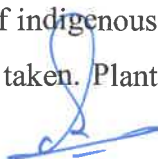
Consultant:- Oceao – Enviro Management Solutions (India) Pvt. Ltd.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 15th June, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2442/2023, dated 21.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 27.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 10.11.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 232, dated 23.05.2022.

The Project Proponent along with their environmental consultant Oceao – Enviro Management Solutions (India) Pvt. Ltd made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5



feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.

2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 13

Sand Mining Project of Madhepura Unit No.-01, (Block-01/02/03/04/05) on Chilauni & Sursar River of District- Madhepura, Area- 10.47 Ha, (File No.- SIA/1(a)/2349/2023), Online Proposal No.:- SIA/BR/MIN/450594/2023).

Proponent:- Shree Abhishek Kumar Singh

Consultant:- P & M Solution,

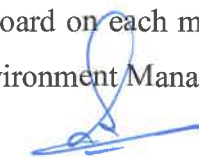


Application along with filled up 'Form - I' and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 05th April, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2349/2023, dated 06.04.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 19.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 10.11.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 254, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).



5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 14

Sand Mining Project on River Kiul at Jamui Block No.-08 Sand Ghat of Jamui district, Area – 30.70 Ha (File No.:- SIA/1(a)/2419/2023). Online Proposal No.:- SIA/BR/MIN/450985/2023).

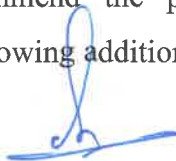
Proponent:-M/s Shakti Inframines Developers Pvt. Ltd.

Consultant: - P & M Solutions.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2419/2023, dated 01.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 05.10.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 10.11.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solutions, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".



1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 15

Sand Mining Project on river Anjana at Jamui Block No.-01 Sand Ghat of Jamui district, Area – 05.0 Ha (File No.:- SIA/1(a)/2278/2023). Online Proposal No.:- SIA/BR/MIN/451692/2023).

Proponent:- Shri Chandan Kumar



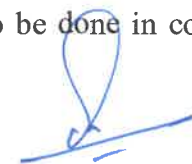
Consultant: - Oceao-Enviro Management Solutions (India) Pvt. Ltd.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 31th January, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar Issued System Generated ToR Vide SIA/1(a)/2278/2023, dated 03.02.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 26.07.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 10.11.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent along with their environmental consultant Oceao-Enviro Management Solutions (India) Pvt. Ltd, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.



4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 16

Sand Mining Project on River Ulai at Jamui Block No.-03 Sand Ghat of Jamui district, Area – 09.42 Ha (File No.:- SIA/1(a)/2385/2023). Online Proposal No.:- SIA/BR/MIN/453222/2023).

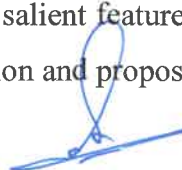
Proponent:-Ratan Coal Suppliers Pvt. Ltd.

Consultant: - P&M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 10th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2385/2023, dated 11.05.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 26.10.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 01.12.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 268, dated 23.05.2022.

The Project Proponent along with their environmental consultant P&M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable,



hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).



AGENDA ITEM NO. 17

Sand Mining Project Supaul Unit No.-04, on (Haiya River Block-01 & Tilawe River Block-01) of District- Supaul, Area- 08.20 Ha, (File No.- SIA/1(a)/2282/2023), Online Proposal No.:- SIA/BR/MIN/453267/2023).

Proponent:-M/s A.K. Singh & Co.

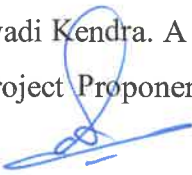
Consultant:- P&M Solution,

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 02nd February, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2282/2023, dated 03.02.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 27.10.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 01.12.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 256, dated 23.05.2022.

The Project Proponent along with their environmental consultant P & M Solution, made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned



District Magistrate and the concerned district level officers of the concerned departments.

3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 18

Sand Mining Project on Unit-02 (Parsauni Balu Ghat) on Bagmati river of District-Sitamarhi, Area- 16.40 Ha, (File No.- SIA/1(a)/2444/2023), Online Proposal No.:- SIA/BR/MIN/453308/2023).

Proponent:-Sri Balraj Singh

Consultant:- Oceao-Enviro Management Solutions (India) Pvt. Ltd.

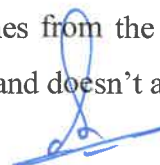
Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 26th June, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued System Generated ToR Vide SIA/1(a)/2444/2023, dated 01.07.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 14.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 27.11.2023 for obtaining Environmental Clarence (EC).



The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 233, dated 23.05.2022.

The Project Proponent along with their environmental consultant Oceao-Enviro Management Solutions (India) Pvt. Ltd. made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "A".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 1 meter (One meter) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.



8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 19

Sand Mining Project on Jalalpur Balu Ghat (Block-23) on Tilaiya River of District-Nawada, Area- 17.0 Ha, (File No.- SIA/1(a)/2416/2023), Online Proposal No.:- SIA/BR/MIN/454484/2023).

Proponent:-M/s Homelight & Tent House,

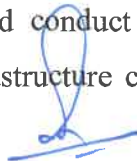
Consultant:- Oceao-Enviro Management Solutions (India) Pvt. Ltd.

Application along with filled up 'Form - I 'and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 26th May, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar Issued System Generated ToR Vide SIA/1(a)/2416/2023, dated 01.06.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 23.09.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 07.12.2023 for obtaining Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 255, dated 23.05.2022.

The Project Proponent along with their environmental consultant Oceao-Enviro Management Solutions (India) Pvt. Ltd. made a presentation on the key parameters and salient features of the project. Based on the discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions mentioned in Annexure "B".

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water



Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.

3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
4. Project Proponent has to fix display board on each mining site mentioning thereupon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 02 meter (Two meters) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC)).

AGENDA ITEM NO. 20

Proposed Metallurgical Project “Vistar Concast Private Limited” at Mauza:- Raipura, Near Industrial Area, Block:- Fatuha, District:- Patna, State:- Bihar; by M/s Vistar Concast Private Limited [Proposed Production Capacity – 3,00,000 TPA of MS Billet 4 (Four) Induction furnace capacity 20 MT of each] – Reg. Environmental Clearance. (File No.: SIA/3(a)/2468/2023, Proposal No.: SIA/BR/IND1/455554/2023).

Environment Consultant: M/s Rian Enviro Private Limited.

Application along with filled up Form - I and Prefeasibility Report in the prescribed format was submitted to SEIAA, Bihar on 31st August, 2023 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide SIA/3(a)/2468/2023, dated 21.09.2023 and public hearing for the proposed project was conducted by Bihar State Pollution Control

Board on 26.11.2023. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 26.12.2023 for obtaining Environmental Clearance (EC).

The Project Proponent along with the environmental consultant M/s Rian Enviro Private Limited, made a presentation on the key parameters and salient features of the project. Based on the discussion, the committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with the standard conditions as mentioned in Annexure "C".

1. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
2. Project Proponent has to fix display board on mentioning there upon various activities to be done under Environment Management Plan (EMP).
3. The green belt area should be permanently barricaded for its exclusive demarcation and maintenance as a green belt area.
4. Conduct mock alarm drill at every six months or as per the extant Rules, whichever is earlier.
5. The important mobile number (contact number) in case of emergency should be displayed at every corner of the industry including at the entry gate.
6. There should be fire alarm and control system of approved specification and mock drill as mandated by law should be conducted regularly.
7. Provide enough number of First Aid Box and other emergency medicine, stretcher, Mask , etc away from the plant area at the entry and exit gates.
8. Sand bags should also be placed at appropriate places to control the fire in case of fire accident.
9. The Proponent has to shift cleaner fuel like CNG/PNG as fuel if the PNG/CNG line is made available at close vicinity as directed by the BSPCB.

AGENDA ITEM NO. 21

Proposed Residential cum Commercial Building Project "Megapolis Housing" at Mauza:- Lakhnibigha, Sarari, Block:- Danapur, District:- Patna, State:- Bihar; by M/s

Mundeshwari Multicon Private Limited [Total Plot Area:- 48393.05 sqm, Total Built-up Area:- 285667 sqm] – Reg. Environmental Clearance (EC).

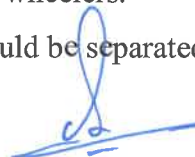
(File No.: SIA/8(b)/2461/2023, Proposal No.: SIA/BR/INFRA2/452428/2023).

Environment Consultant: M/s Rian Enviro Private Limited.

Application along with filled up Form – I, Form – I(A) and Conceptual Plan in the prescribed format was submitted to SEIAA, Bihar on 03rd August, 2023 for obtaining Terms of Reference (ToR). ToR was issued by SEIAA, Bihar vide SIA/8(b)/2461/2023, dated-14.11.2023. Final EIA report in the prescribed format was submitted to SEIAA, Bihar on 17th November, 2023 for obtaining Environmental Clearance (EC).

Earlier in the meeting dated – 09.12.2023, the committee had directed the Project Proponent to submit documents as mentioned in the proceeding of that meeting. Project Proponent has submitted the compliance of the above meeting which was placed before the committee and also the committee visited the site. Based on the discussion, the committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions as mentioned in Annexure "D".

1. Provide solar panels over 30% of the total rooftop area (open terrace).
2. Corporate Environmental Responsibility (CER) plan in consultation with the concerned authority of the Local Body (Municipal Corporation/Municipality/Nagar Panchayat/Gram Panchayat) by clearly outlining the type of activities and amount involved, etc. shall be executed and completed before the completion of the project, which shall predominantly include Municipal Solid Waste Management activities like-
 - a) Material Recovery Facility (MRF).
 - b) Wet Waste Processing Facilities.
 - c) Waste collection vehicles, etc.
3. Make provisions for enough number of electric vehicle charging points at each parking area, for both four wheelers and two wheelers.
4. Visitors parking and Flat Owner parking should be separated.



5. While handing over the building/flats to the society, the developer must mention in the agreement or sale deed that green belt (hard) area 7,307 m² (15.10%) and Soft green area 16,356 m² (33.80%) of the total plot area shall be maintained under green area should be maintained & the conditions imposed by the SEIAA, Bihar in the Environmental Clearance has to be complied.
6. The green belt area should be permanently barricaded for its exclusive demarcation and maintenance as a green belt area.
7. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvement Mission.
8. Project Proponent has to fix display board on mentioning there upon various activities to be done under Environment Management Plan (EMP).

AGENDA ITEM NO. 22

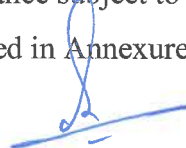
Proposed Industrial Estate Project “Industrial Area” at Mauza:- Mosama, Tehsil:- Warsaliganj, District:- Nawada, State:- Bihar; by M/s Bihar Industrial Area Development Authority (BIADA) [Total Plot Area:- 29.77 Ha. (2,97,767 m² / 73.58 Acres) – Reg. Environmental Clarence (EC).

(File No.: SIA/7(c)/2449/2023, Proposal No.: SIA/BR/INFRA1/455862/2023).

Environment Consultant: M/s PARAMARSH (Servicing Environment and Development).

Application along with filled up Form – I, and Pre-feasibility Report in the prescribed format was submitted to SEIAA, Bihar on 04th July, 2023 for obtaining Terms of Reference (ToR). ToR was issued by SEIAA, Bihar vide SIA/7(c)/2449/2023, dated- 24.08.2023. Final EIA report in the prescribed format was submitted to SEIAA, Bihar on 05th January, 2024 for obtaining Environmental Clearance (EC).

Earlier in the meeting dated – 23.12.2023, the committee had directed the Project Proponent to submit documents as mentioned in the proceeding of that meeting. Project Proponent has submitted the compliance of the above meeting which was placed before the committee. Based on the discussion, the committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following additional conditions along with standard conditions as mentioned in Annexure "E".



1. Tree Plantation in three-rows should be raised all around the entire campus especially of soil binding plants.
2. Project Proponent has to fix display board on mentioning there upon various activities to be done under Environment Management Plan (EMP).
3. The green belt area should be permanently barricaded for its exclusive demarcation and maintenance as a green belt area.
4. Designated green island (existing natural and undisturbed land area) for the existing fauna should be provided and should be secured through fencing.
5. No tree should be felled unless exigencies demand. Wherever absolutely necessary, tree translocation shall be done with prior permission from the concerned regulatory authority. Old trees should be retained / translocated based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured in the ratio of species cut to species planted (preferably local/indigenous species).
6. All the existing trees should be numbered using paint and limit of trees (species-wise) should be submitted to SEIAA and to the concerned Divisional Forest Officer.

Consideration / Reconsideration of Environmental Clearance (Extension / Amendment / Corrigendum

AGENDA ITEM NO. 01

Sand Mining Project on Sone River at Bhoj Son-31, Balu Ghat, of District- Bhojpur, Area- 46 Ha, (File No. - SIA/1(a)/2374/2023), Online Proposal No.:- SIA/BR/MIN/453448/2023).

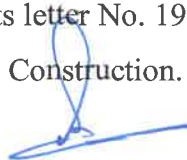
Proponent: M/s Keshav Construction

Consultant:- P&M Solution,

Application along with filled up 'Form - 4 in the prescribed format was submitted to SEIAA, Bihar on 03.01.2024 for obtaining Amendment in Environmental Clearance (EC).

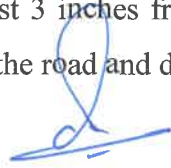
The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 266, dated 23.05.2022.

The environmental consultant made a presentation and stated that the Letter of Intent (LoI) for this project has been granted to M/s Keshav Construction, Proprietor – Dharamraj Yadav by District Mining Office, Bhojpur vide its letter No. 196, dated 14.01.2023 and also Mining plan approved in favour of M/s Keshav Construction. The Consultant erroneously



applied for Environmental Clearance through a different registration ID and System Generated Environmental Clearance was granted in favour of M/s Gokul Sai Udyog LLP. Therefore, the Proponent/Consultant applied for amendment in Environmental Clearance in favour of M/s Keshav Construction and requested the committee to approve the amendment of the proposal. The Committee accepted the request. Therefore, after discussion it was decided to recommend the proposal in favour of M/s Keshav Construction for grant of Amendment in Environmental Clearance as per the standard Environmental Clearance conditions as recommended by the MoEF&CC, Govt. of India as mentioned in the **Annexure "D"** along with the following additional specific conditions:-

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.
2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning there upon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 03 meter (three meters) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.



8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

AGENDA ITEM NO. 02

Sand Mining Project on Son River at Patna Cluster No.-13 (Patna Sone Ghat-16) Balu Ghat of District- Patna, Area- 79.92 Ha, (File No. - SIA/1(a)/2384/2023), Online Proposal No.:- SIA/BR/MIN/453476/2023).

Proponent:- M/s Gokul Sai Udyog LLP.

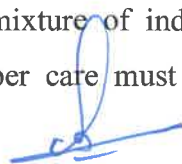
Consultant:- P&M Solution,

Application along with filled up 'Form - 4 in the prescribed format was submitted to SEIAA, Bihar on 03.01.2024 for obtaining Amendment in Environmental Clearance (EC).

The proposal has been mentioned in the District Survey Report (DSR) approved by the State Environment Impact Assessment Authority (SEIAA), Bihar vide letter no. 267, dated 23.05.2022.

The environmental consultant made a presentation and stated that the Letter of Intent (LoI) for this project has been granted to M/s Gokul Sai Udyog LLP, Proprietor – Dhananjay Kumar by District Mining Office, Bhojpur vide its letter No. 666, dated 11.02.2023 and also Mining plan approved in favour of M/s Gokul Sai Udyog LLP. The Consultant erroneously applied for Environmental Clearance through a different registration ID and System Generated Environmental Clearance was granted in favour of M/s Frontline (NCR) Business Solution Private Limited. Therefore, the Proponent/Consultant applied for amendment in Environmental Clearance in favour of M/s Gokul Sai Udyog LLP and requested the committee to approve the amendment of the proposal. The Committee accepted the request. Therefore after discussion it was decided to recommend the proposal in favour of M/s Gokul Sai Udyog LLP for grant of Amendment in Environmental Clearance as per the standard Environmental Clearance conditions as recommended by the MoEF&CC, Govt. of India as mentioned in the **Annexure "D"** along with the following additional specific conditions:-

1. The proposed plantation consisting of mixture of indigenous and fast growing species of trees must be done and proper care must be taken. Plantation of a



minimum of 5 feet tall plants must be done in the 1st year of lease period and properly maintained till the validity of Environmental Clearance.

2. The Project Proponent shall execute and conduct measurable CER activities like facilities for drinking water supply, infrastructure creation solar power, Rain Water Harvesting, Solid Waste Management Facilities, sanitation, essential furnitures for the local government schools and Anganwadi Kendra. A display board must be placed for the information to the public. The Project Proponent has to intimate the concerned District Magistrate and the concerned district level officers of the concerned departments.
3. Under the Corporate Environment Responsibilities the modalities of all expenditure on skill development programme need to be done in consultation with and guidance of Bihar Skill Devolvment Mission.
4. Project Proponent has to fix display board on each mining site mentioning there upon various activities to be done under Environment Management Plan (EMP).
5. The project proponent should do the sand mining limited to 03 meter (three meters) depth by semi-mechanised method without using any heavy machine, preferably by manual excavation.
6. The Project Proponent must maintain existing ponds nearby, if any.
7. Proper care should to be taken during transportation of sand from the sand mining site. There should be freeboard of atleast 3 inches from the body level of the vehicle, so that the sand doesn't get spilled on the road and doesn't affect the air quality as well.
8. Proponent should submit high resolution satellite images with stereoscopic 3D view) from the National Remote Sensing Center (NRSC), Hyderabad for the month of June and December of every year, along with the respective half-yearly compliance report in hard and soft copy (as received from the National Remote Sensing Center (NRSC).

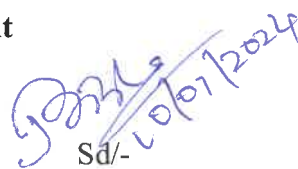


LIST OF PARTICIPANTS IN 33rd MEETING OF SEAC, BIHAR HELD ON 06th January, 2024.

Sl. No.	Name	Designation	Attended on 06.01.2024
1.	Dr. Gopal Sharma	Chairman	Present
2.	Dr. Ramakar Jha	Member	Present
3.	Dr. Bibha Kumari	Member	Present
4.	Dr. Anshumali	Member	Absent
5.	Dr. Aditya Mohanty	Member	Present
6.	Shri Mokhtarul Haque	Member	Present
7.	Shri Ajit Samaiyar	Member	Present
8.	Shri Ranjan Kumar	Member	Absent
9.	Shri S. Chandrasekar	Member Secretary	Present

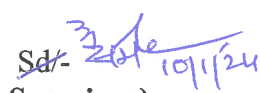
Signature(s) of the Members Present

Sd/-
(Dr. Ramakar Jha)
Member, SEAC

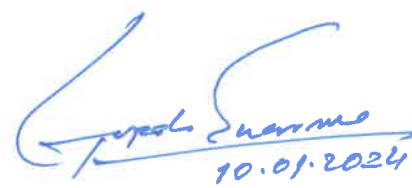

Sd/-
(Dr. Bibha Kumari)
Member, SEAC

Sd/-
(Mokhtarul Haque)
Member, SEAC

Sd/-
(Dr. Aditya Mohanty)
Member, SEAC


Sd/-
(Ajit Samaiyar)
Member, SEAC

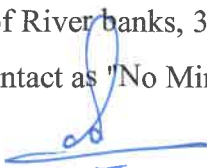

(S. Chandrasekar, IFS)
Member Secretary


(Dr. Gopal Sharma)
Chairman

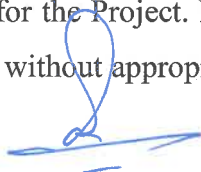
Annexure – A (Sand Mining Projects – EC)

A. Specific Condition

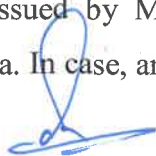
1. The Project Proponent shall obtain all necessary clearance/ permission from all concerned departments before commencement of mining works.
2. The Environmental Clearance will be valid for mine lease period subject to a ceiling of 5 years.
3. The project proponent before starting any activity /preparation of ground, on the leased area shall demarcate his lease hold by RCC pillars erected at the cost of lease holder after certification of the mining officer. On each pillar Geo-Coordinate and fore bearing/ back bearing shall be written with permanent paint mark as described in the mining plan. All the pillars should remain intact at same geo-coordinate. Establishment/ labeling of Benchmark at each pillars or ground control points.
4. Extraction of sand beyond annual production capacity is not permitted.
5. The Project Proponent should undertake the sand mining limited to 01 meters (one meter) depth by semi-mechanised method (without using any heavy machine), preferably by manual excavation.
6. Extraction will be carried out up to a maximum depth of 01 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is earlier.
7. No mining shall be carried out in the areas prominently used by wild animals (birds and reptiles) for nesting. Restricted working hours-Sand mining operation has to be carried out between 6 am to 7 pm.
8. No mining shall be carried out in 3 meter wide strip from the river bank in a River flood plain and within flowing/live water channel.
9. To maintain the safety and stability of River banks, 3 meter or 10% of the width of the River whichever is more will be left intact as "No Mining Zone".



10. No stream shall be diverted for the purpose of sand mining. No natural water course and / or water reservoirs shall be obstructed due to mining operations.
11. The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered vehicles / trucks only and the vehicle shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.
12. The stacking area of mined-out sand which shall be situated near the mining site within a fenced area from all sides to avoid being spread in the nearby areas by high winds and the height of stacking should not exceed 2 meter. Transportation shall be confined to day time only that is from sunrise to sunset, to avoid inconvenience to local population in anyway.
13. Rubbish burial shall not be done in the Rivers.
14. Adequate steps shall be taken to check soil erosion and control of debris flow etc. by constructing engineering structures.
15. Mining activity shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
16. The approach road from loading point upto main road shall be properly developed with proper width and geometry required for safe movement of traffic by lease holder at his own cost.
17. Main haulage road in the mine shall be provided with permanent water sprinklers and other roads shall be regularly wetted with water tankers fitted with sprinklers.
18. Transportation of the Minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The Project Proponent shall bear the cost towards the widening and strengthening of existing public road-network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.



19. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
20. Project Proponent shall appoint a Monitoring committee to monitor the replenishment study, traffic management, levels of production, river Bank erosion and maintenance of Road etc.
21. Project Proponent shall submit the 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. Regular monitoring of the flow rate of the springs and seasonal stream flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the SEIAA, Bihar, Regional office, Ranchi, Central Ground water Authority, Regional Director, Central Ground water Board, State Pollution Control Board and Central Pollution Control Board.
23. The project proponent shall abide by the Hon'ble Supreme Court order dated 08.01.2020 [Writ Petition 9 (s) (Civil No. (s) 114/2014)]. Proposal of re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. In compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petitioner(s) Civil No. 114/2014, Common Cause Vs Union of India & Ors.
24. The individual sand ghat-miner will take appropriate measures to avoid parking of empty / loaded vehicles on nearest highway/ public roads to avoid traffic congestion.
25. Project Proponent will adhere to all applicable provisions of Sustainable Sand Mining Management Guidelines 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 (EMGSM – 2020) issued by Ministry of Environment, Forest and Climate Change, Government of India. In case, any ambiguity or variation between the

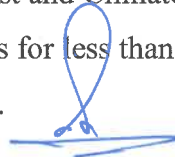


provision of both these document arises, the provision made in “Enforcement and Monitoring Guidelines for Sand Mining – 2020” shall prevail.

26. All specific and general conditions which are of public concern at large shall be permanently displayed at a prominent place for public along with address and contact details of authority where the violation of EC conditions can be reported.
27. Project proponent shall erect a signboard on his project site and display information regarding name of the project, No. & date of validity period of EC, annual production capacity of the mineral and other relevant information for the general public.

B. General condition

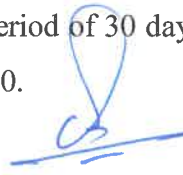
1. No stacking of sand is allowed on road side of any public road including national highways/ State highways.
2. No labour camp shall be allowed in riverbed.
3. Provision shall be made for housing labour with all necessary infrastructure and facilities (outside mining Block and river-bed) such as fuel for cooking, toilets / mobile toilets, safe drinking water, First-Aid facilities, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Labour & Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any adverse health impact due to exposure to dust and take corrective measures, if needed.
5. The Project Proponent shall make arrangements for safe drinking water, first aid facility along With anti-venom injection, in case of emergency for the workers.
6. The project proponent shall maintain register for production and dispatch of mineral and submit periodic return (six-monthly) to the SEIAA, Bihar / Regional Office of Ministry of Environment, Forest and Climate Change, Government of India, Ranchi. If the remaining period of lease is for less than a year, the Project Proponent shall submit a monthly return of production.



7. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle and mine plan. This should be produced before officers of Central and State Government for inspection whenever asked for.
8. Regular monitoring of ground water table shall be carried out at the upstream and depth of water available in the adjoining dug-well.
9. Monitoring of Ambient Air Quality, Water Quality & Noise Quality shall be carried out as per the Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places of loading and unloading points & transfer points to reduce all sorts of fugitive emissions.
10. The funds earmarked for environmental protection measures should be kept in a separate bank account and should not be diverted for other purpose. Year-wise expenditure should be reported to the SEIAA, Bihar.
11. The Project proponent shall provide all necessary logistic support to the authorized officer of this authority as and when required. They will facilitate and assist the authority in site inspection and monitoring.
12. All the provisions made and restrictions imposed as envisaged in the Bihar Minor Mineral Rule, shall be complied with; particularly regarding Environment Management and payment of compensation to the affected land owner(s).
13. No change in mining technology and scope of working should be made without prior approval of the SEIAA, Bihar.
14. The Ministry / SEIAA may alter / modify the above conditions or stipulate any additional condition(s) in the interest of environment.
15. Concealing of factual data or submission of false / fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal/suspension of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
16. The instruction contained herein above regarding air and noise pollution and details of mining proposals shall be displayed on Signboard in Hindi for the public information.



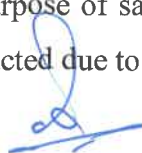
17. The SEIAA may impose additional conditions in the interest of Environment & Ecology whenever it becomes necessary to do so.
18. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

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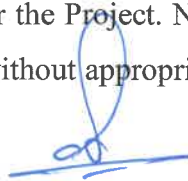
Annexure – B (Sand Mining Projects – EC)

A. Specific Condition

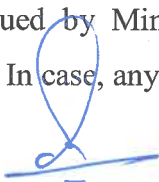
1. The Project Proponent shall obtain all necessary clearance/ permission from all concerned departments before commencement of mining works.
2. The Environmental Clearance will be valid for mine lease period subject to a ceiling of 5 years.
3. The project proponent before starting any activity /preparation of ground, on the leased area shall demarcate his lease hold by RCC pillars erected at the cost of lease holder after certification of the mining officer. On each pillar Geo-Coordinate and fore bearing/ back bearing shall be written with permanent paint mark as described in the mining plan. All the pillars should remain intact at same geo-coordinate. Establishment/ labeling of Benchmark at each pillars or ground control points.
4. Extraction of sand beyond annual production capacity is not permitted.
5. The Project Proponent should undertake the sand mining limited to 02 meters (two meters) depth by semi-mechanised method (without using any heavy machine), preferably by manual excavation.
6. Extraction will be carried out up to a maximum depth of 02 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is earlier.
7. No mining shall be carried out in the areas prominently used by wild animals (birds and reptiles) for nesting. Restricted working hours-Sand mining operation has to be carried out between 6 am to 7 pm.
8. No mining shall be carried out in 3 meter wide strip from the river bank in a River flood plain and within flowing/live water channel.
9. To maintain the safety and stability of River banks, 3 meter or 10% of the width of the River whichever is more will be left intact as "No Mining Zone".
10. No stream shall be diverted for the purpose of sand mining. No natural water course and / or water reservoirs shall be obstructed due to mining operations.



11. The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered vehicles / trucks only and the vehicle shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.
12. The stacking area of mined-out sand which shall be situated near the mining site within a fenced area from all sides to avoid being spread in the nearby areas by high winds and the height of stacking should not exceed 2 meter. Transportation shall be confined to day time only that is from sunrise to sunset, to avoid inconvenience to local population in anyway.
13. Rubbish burial shall not be done in the Rivers.
14. Adequate steps shall be taken to check soil erosion and control of debris flow etc. by constructing engineering structures.
15. Mining activity shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
16. The approach road from loading point upto main road shall be properly developed with proper width and geometry required for safe movement of traffic by lease holder at his own cost.
17. Main haulage road in the mine shall be provided with permanent water sprinklers and other roads shall be regularly wetted with water tankers fitted with sprinklers.
18. Transportation of the Minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The Project Proponent shall bear the cost towards the widening and strengthening of existing public road-network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.



19. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
20. Project Proponent shall appoint a Monitoring committee to monitor the replenishment study, traffic management, levels of production, river Bank erosion and maintenance of Road etc.
21. Project Proponent shall submit the 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. Regular monitoring of the flow rate of the springs and seasonal stream flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the SEIAA, Bihar, Regional office, Ranchi, Central Ground water Authority, Regional Director, Central Ground water Board, State Pollution Control Board and Central Pollution Control Board.
23. The project proponent shall abide by the Hon'ble Supreme Court order dated 08.01.2020 [Writ Petition 9 (s) (Civil No. (s) 114/2014)]. Proposal of re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. In compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petitioner(s) Civil No. 114/2014, Common Cause Vs Union of India & Ors.
24. The individual sand ghat-miner will take appropriate measures to avoid parking of empty / loaded vehicles on nearest highway/ public roads to avoid traffic congestion.
25. Project Proponent will adhere to all applicable provisions of Sustainable Sand Mining Management Guidelines 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 (EMGSM – 2020) issued by Ministry of Environment, Forest and Climate Change, Government of India. In case, any ambiguity or variation between the



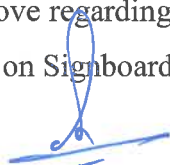
provision of both these document arises, the provision made in “Enforcement and Monitoring Guidelines for Sand Mining – 2020” shall prevail.

26. All specific and general conditions which are of public concern at large shall be permanently displayed at a prominent place for public along with address and contact details of authority where the violation of EC conditions can be reported.
27. Project proponent shall erect a signboard on his project site and display information regarding name of the project, No. & date of validity period of EC, annual production capacity of the mineral and other relevant information for the general public.

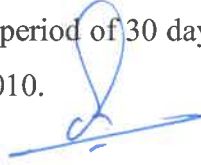
B. General condition

1. No stacking of sand is allowed on road side of any public road including national highways/ State highways.
2. No labour camp shall be allowed in riverbed.
3. Provision shall be made for housing labour with all necessary infrastructure and facilities (outside mining Block and river-bed) such as fuel for cooking, toilets / mobile toilets, safe drinking water, First-Aid facilities, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Labour & Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any adverse health impact due to exposure to dust and take corrective measures, if needed.
5. The Project Proponent shall make arrangements for safe drinking water, first aid facility along With anti-venom injection, in case of emergency for the workers.
6. The project proponent shall maintain register for production and dispatch of mineral and submit periodic return (six-monthly) to the SEIAA, Bihar / Regional Office of Ministry of Environment, Forest and Climate Change, Government of India, Ranchi. If the remaining period of lease is for less than a year, the Project Proponent shall submit a monthly return of production.

7. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle and mine plan. This should be produced before officers of Central and State Government for inspection whenever asked for.
8. Regular monitoring of ground water table shall be carried out at the upstream and depth of water available in the adjoining dug-well.
9. Monitoring of Ambient Air Quality, Water Quality & Noise Quality shall be carried out as per the Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places of loading and unloading points & transfer points to reduce all sorts of fugitive emissions.
10. The funds earmarked for environmental protection measures should be kept in a separate bank account and should not be diverted for other purpose. Year-wise expenditure should be reported to the SEIAA, Bihar.
11. The Project proponent shall provide all necessary logistic support to the authorized officer of this authority as and when required. They will facilitate and assist the authority in site inspection and monitoring.
12. All the provisions made and restrictions imposed as envisaged in the Bihar Minor Mineral Rule, shall be complied with; particularly regarding Environment Management and payment of compensation to the affected land owner(s).
13. No change in mining technology and scope of working should be made without prior approval of the SEIAA, Bihar.
14. The Ministry / SEIAA may alter / modify the above conditions or stipulate any additional condition(s) in the interest of environment.
15. Concealing of factual data or submission of false / fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal/suspension of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
16. The instruction contained herein above regarding air and noise pollution and details of mining proposals shall be displayed on Signboard in Hindi for the public information.



17. The SEIAA may impose additional conditions in the interest of Environment & Ecology whenever it becomes necessary to do so.
18. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.



Annexure – C (Metallurgy projects - EC)

I. Statutory compliance:

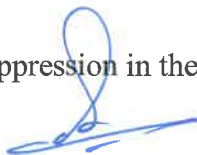
1. The Project Proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
2. The Project Proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
3. The Project Proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

1. The Project Proponent shall install 24x7 continuous emission monitoring system ensuring 98% data upload at process stacks to monitor stack emission with respect to standards prescribed in Environment(Protection) Rules 1986 vide G.S.R. 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended form time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The Project Proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (protection) Act, 1986 or NABL accredited laboratories.
3. The Project Proponent shall install system carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120⁰each), covering upwind

and downwind directions. (case to case basis small plants: Manual; large plants: Continuous)

4. The Project Proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emissions to Regional Office of MoEF&CC / SEIAA, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The Project Proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines Collected in the pollution control devices and vacuum cleaning devices in the process after briquetting / agglomeration.
9. The Project Proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
10. The Project Proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
11. The Project Proponent shall provide primary and secondary fume extraction system at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
13. Fixing water sprinklers in plant campus, and use water tanker for sprinkling water on approach road of the unit at least twice daily or as per requirement to minimize air pollution due to dust
14. Mist spraying system for dust suppression in the campus.

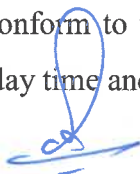


III. Water quality monitoring and preservation

1. The Project Proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
2. The Project Proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC / SEIAA, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
3. Adhere to 'Zero Liquid Discharge'.
4. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
5. The Project Proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R. 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
6. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
7. The Project Proponent shall practice rainwater harvesting to maximum possible extent.
8. The Project Proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

1. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.
2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB (A) during day time and 70 dB(A) during night time.



V. Energy Conservation measures

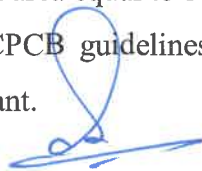
1. The Project Proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. Ensure installation of regenerative type burners on all reheating furnaces.
4. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
5. Provide the Project Proponent for LED lights in their offices and residential areas.

VI. Waste management

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed dried, and briquetted and reused melting Furnaces.
3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office and SEIAA, Bihar.
4. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.
5. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

VII. Green Belt

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The green belt shall inter alia cover the entire periphery of the plant.



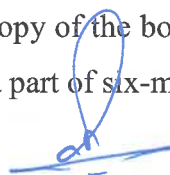
2. The Project Proponent shall prepare GHG emissions inventory for the plant and shall submit the action plan for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The Project Proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility

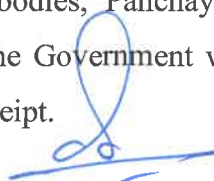
1. The Project Proponent shall comply with the provisions contained in this Ministry's OM vide F. NO. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the SEIAA, Bihar as a part of six-monthly report.



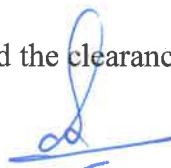
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA, Bihar / Regional Office of MoEF&CC along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third par environmental audit shall be carried out.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

XI. Miscellaneous

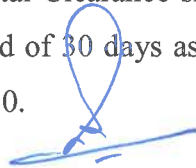
1. The Project Proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the Project Proponent's website permanently.
2. Entry inside the plant premises to all the workers/supervisor/Manager shall only be given after having all personal protective gears.
3. The Project Proponent shall maintain regularly the material balance and shall report and shown as and when asked for.
4. The copies of the Environmental Clearance shall be submitted by the Project Proponents to the heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.



5. The Project Proponent shall upload the status of compliance of the stipulated Environment Clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The Project Proponent shall monitor the criteria pollutants level namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
7. The Project Proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
8. The Project Proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board/SEIAA as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9. The Project Proponent shall inform the Regional Office as well as the SEIAA/Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
11. The Project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.
12. The Project Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during public Hearing and also that during their presentation to the State Expert Appraisal Committee.
13. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.
14. Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
15. The SEIAA, Bihar may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.



16. The SEIAA, Bihar reserves the right to stipulate additional conditions If found necessary. The Company in a time bound manner shall implement these conditions.
17. The Regional Office of this MoEF&CC/SEIAA shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
18. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Low relating to the subject matter.
19. The Environmental Clearance shall remain valid for ten years from the date of its issuance.
20. 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.



Annexure – D (Building Projects - EC)

I. Statutory compliance:

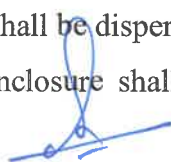
1. The Project Proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The Project Proponent will obtain Consent to Establish (CTE) from the BSPCB before preparing site for construction; if applicable and Consent to Operate (CTO) before giving occupancy.
3. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.
4. All directions of the Airport Authority, Director of Explosives and Fire Department, etc. shall be complied with.
5. The Project Proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Bihar State Pollution Control Board.
6. The Project Proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by Project Proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

10. The Project Proponent shall follow the ECBC / ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power, GoI. strictly.
11. The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system for multi-storey buildings, wet & dry bins, collection center & mechanical composter, etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors / recyclers for which a written tie-up must be done with the authorized vendors / recyclers.
12. Hazardous waste / E-waste should be disposed off as per Rules applicable and with the necessary approval of the Bihar State Pollution Control Board.
13. Solar power plant or other solar energy related equipment's shall be operated and maintained properly.
14. Provisions shall be made for the integration of solar water heating system.
15. Environmental Clearance conditions applicable for construction and operation phase which are in the interest of public at large must be displayed at prominent place which can be easily accessible to public along with address and contact number of authorities to whom violation of EC conditions can be reported.
16. Project site shall be adequately barricaded before the start of construction activity by erecting suitable windscreen upto. $1/3^{rd}$ of the building height or 10 meters height whichever is more to prevent dispersion of dust particulate (fugitive emission) matter from the construction site.
17. Construction of appropriate civil structure and creation of other facilities shall be undertaken to provide benefit of the person suffering from disability in accordance with Hon'ble Supreme Court of India order dated 15th December 2017 in Writ Petition (Civil) 292 of 2006 with WP (Civil) 997 of 2013 (Disabled Rights Grout & Anr. Vs Union of India &Ors).

II. Air quality monitoring and preservation

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

2. Project site shall be adequately barricaded before the start of construction activity by erecting suitable windscreen upto $1/3^{\text{rd}}$ of the building height or upto 10 meters height whichever is more to prevent dispersion of particulate matter (fugitive emission) from the construction site. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. Plastic / tarpaulin sheet covers shall be provided for vehicles bringing all loose construction material e.g sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
3. A Management Plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
5. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site.
6. All loose construction material e.g sand, soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7. Wet jet shall be provided for grinding and stone cutting.
8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection), Act 1986 prescribed for air and noise emission standards.
11. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to

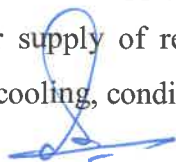


mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

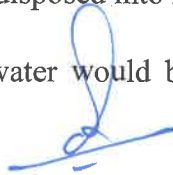
12. For indoor air quality the ventilation provisions as per National Building Code of India shall be implemented.

III. Water quality monitoring and preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wet land and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the Project Proponent. The record shall be submitted to the, SEIAA/ Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.



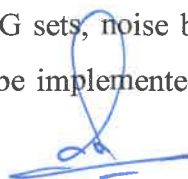
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators, etc.) for water conservation shall be incorporated in the building plan.
9. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed into municipal drain.
17. No sewage or untreated effluent water would be discharged through storm water drains.



18. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
19. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
20. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
21. Separate drainage system shall be developed for storm water so that end point discharge to nearest nallah / river is ensured to avoid water logging without any increase in the pollution load in receiving system.
22. Possibilities need to be explored to use STP waste water during construction phase. Fresh water shall be used only after exhausting the possibility of obtaining STP waste water located in municipal jurisdiction.

IV. Noise monitoring and prevention:

1. Ambient noise levels shall conform to residential area silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.



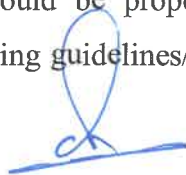
V. Energy Conservation measures:

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

VI. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste (M.S.W.) generated from project shall be obtained.
2. Proper composting / vermi-composting of municipal and biodegradable solid wastes shall be carried out. All municipal solid wastes shall be segregated, collected, transported, treated and disposed as per provisions of the Solid Wastes Management, 2016 (As amended).

3. All the top soil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
4. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
5. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
6. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
7. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
8. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Bihar State Pollution Control Board.
9. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials.
10. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016, Ready mixed concrete must be used in building construction.
11. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
12. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.



VII. Green Cover:

1. No tree should be felled unless exigencies demand. Wherever absolutely necessary, tree translocation shall be done with prior permission from the concerned regulatory authority. Old trees should be retained/translocated based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured in the ratio of species cut to species planted.
2. All the efforts shall be made not to fell any tree however if any tree need to be removed necessarily, it may be translocate with prior permission from concerned local Authority. In case of felling, plantations to be ensured in the ratio of species cut / removed to species planted. Area for green belt development shall be provided as per the details provided in the Project document.
3. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and re-applied during plantation of the proposed vegetation on site.

VIII. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulation.
 - e) Proper signages.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the

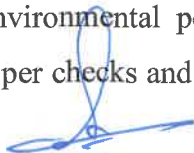
project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporate Environment Responsibility:

1. The Project Proponent shall comply with the provisions contained in this Ministry's O.M. vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any



infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

3. A separate Environmental cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA/ Ministry, Regional Office along with the Six-Monthly Compliance Report.

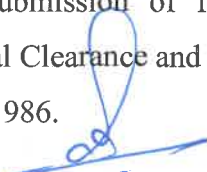
XI. Additional Conditions:-

1. Provide Waste water drain, rainwater drain and water supply pipe separately. Nothing should be drained outside the campus through underground pipes and nothing should be pumped to groundwater. All the sewage drains shall be covered.
2. Provide Safety measures (Fire, disaster, flood, etc.), /medical facilities and arrangement for physically challenged persons.

XII. Miscellaneous:

1. The Project Proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded Environmental Clearance and the details of MoEF&CC/SEIAA, Bihar website where it is displayed.
2. The copies of the Environmental Clearance shall be submitted by the Project Proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

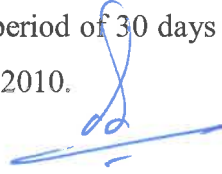
3. All utility lines (electricity, telephone, cable, water supply, sewage, drainage, etc. shall be laid below ground level. Ducts shall be provided along and across the roads to lay the utility lines. Major trunk (water/sewerage) lines are to be laid along the utility corridor.
4. Rest room facilities shall be provided for service population.
5. The Project Proponent shall upload the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The Project Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during their presentation to the State Expert Appraisal Committee.
7. The Project Proponent shall submit six-monthly reports on the status of the compliance of the stipulated Environmental Conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
8. The Project Proponent shall submit the environmental statement for each financial year in Form-V to the Bihar State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9. The Project Proponent shall inform the SEIAA, Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10. The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.
11. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.
12. Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.



71.

13. The Environmental Clearance granted on the basis of submitted layout plan of the proposed construction of buildings/establishments of industries shall be provisional for a period of one year or till its approved by the competent authority whichever is earlier. Should there be any deviation / change in the layout plan (as contained in the project proposal on which Environmental Clearance is granted), the Project Proponent shall furnish a copy along with a request to SEIAA, Bihar to make necessary correction/revision in the Environmental Clearance accordingly. Any failure on part of the Project Proponent in doing so will be treated as a violation of Environmental Clearance condition.
14. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15. The SEIAA reserves the right to stipulate additional conditions if found necessary which shall be implemented in a time bound manner.
16. The Regional Office of the MoEF&CC, GoI / SEIAA shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
17. Project Proponent shall erect a signboard on his project site and display information regarding name of the project, Environmental Clearance letter No., date and validity period of Environmental Clearance, and Environmental Clearance conditions which affect general public at large along with name of authority to which violation of Environmental Clearance conditions can be reported.
18. The above conditions shall be enforced, inter-alia under the provisions of the Water(Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
19. Environmental Clearance shall remain valid for a maximum period of 10 years or completion of project whichever is earlier.

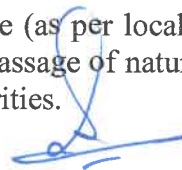
20. Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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Annexure – E (Industrial Estates Park / Complex – EC)

I. Statutory compliance:

- I. This clearance is subject *to final order* of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
- II. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- III. The project proponent shall obtain clearance from the National Board for Wild life, if applicable.
- IV. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area).
- V. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.
- VI. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- VII. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- VIII. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.
- IX. This environmental clearance is only for the said Industrial Area. Any other activity within the Industrial Area would require separate environmental clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities.
- X. The buildings shall have adequate distance (as per local building bye laws) between them to allow movement of fresh air and passage of natural light, air and ventilation in accordance with guidelines of local authorities.



7A.

➤ AIR QUALITY MONITORING AND PRESERVATION

- i. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 to and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the Industrial area at lcaat at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.
- ii. The D.G. sets to be used during development/ construction phase shall be in conformity to Environment (Protection) Rules prescribed for air and noise emission standards. Storage of diesel shall be made underground and necessary approvals/permissions from Chief control of explosives to be obtained.
- iii. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading shall be fully internalized and no public space shall be utilized.
- iv. Vehicles hired for bringing construction material to the site should have a Pollution Under Control (PUC) certificate and shall conform to applicable air and noise emission standards and shall be operated only during non-peak hours.

➤ WATER QUALITY MONITORING AND PRESERVATION

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986.
- ii. Construction of storm water drains for collection, storage and its re-use as per guidelines of Central Ground Water Authority (CGWA).
- iii. The project proponent shall report to the State Pollution Control Board about the compliance of the prescribed standards for all discharges from the Industrial Area into the sea. - Project specific
- iv. Fixtures for showers, toilet flushing and drinking shall be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- v. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the concerned Regional Office of the Ministry alongwith Six monthly monitoring reports.
- vi. Water demand during development/construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices referred. Project specific.
- vii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/Sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- viii. The *project proponent* shall *make* efforts to minimise water consumption in the industrial complex by segregation of used water, practicing cascade use and by

recycling treated water.

- ix. Member industries shall treat the effluent to meet the prescribed CETP inlet norms.
- x. The member units shall provide RCC tanks for *storage* of effluent for monitoring the characteristics of effluent before taking into the Common Effluent Treatment Plant (CETP) for further treatment.
- xi. Proper flow meters along with online monitoring facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.
- xii. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- xiii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations shall be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses. — Project specific
- xiv. The project should not amend or alter the pathways of the natural streams or creeks/nallah flowing.
- xv. Rain water harvesting for roof run-off and surface run-off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 4 m above the highest ground water table.

➤ NOISE MONITORING AND PREVENTION

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

➤ ENERGY CONSERVATION MEASURES

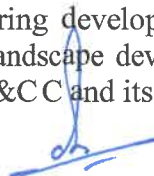
- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.

➤ WASTE MANAGEMENT

- i. Disposal of muck during development/construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. The ground water quality of the adjacent to dumping area should be monitored and report should be submitted to MoEF&CC and its Regional Office concerned.
- ii. Fly ash bricks should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016
- iii. All hazardous waste generated during development/ construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Central Pollution Control Board/State Pollution Control Board.
- iv. Used LEDs shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible. Energy conservation measures should be as per Bureau of Energy Efficiency (BEE) standards.
- v. Air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.
- vi. The solid waste generated shall be properly collected and segregated in accordance with the Solid Waste Management Rules, 2016. Wet garbage shall be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. No municipal waste shall be disposed off outside the premises

➤ GREEN BELT

- i. The green belt/plantation of to a width of 15 m should be provided all along the periphery of industrial area with native species. The individual units should keep 33% of allotted area as green area with native place. The time bound action plan for green belt/plantation be submitted to the MoEF&CC and concerned Regional Office within three months of issue of this letter.
- ii. Cutting of plants/trees are to be totally avoided by the construction labours. The contractor has to maintain log book for the purchase and distribution of fuel wood.
- iii. Management Plan for biodiversity conservation along with the implementation schedule should be prepared with the help of concerned government institution /state forest department, and same to be submitted to MoEF&CC and its Regional Office before commencement of work. Sufficient fund provision to be made to implement the same.
- iv. All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site. Report should be submitted to MoEF&CC and its Regional Office concerned.



- v. For monitoring of land use pattern, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its concerned Regional office

➤ PUBLIC HEARING AND HUMAN HEALTH ISSUES

- i. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- ii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

➤ CORPORATE ENVIRONMENT RESPONSIBILITY

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 " May 20 18, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the en vironmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wild life norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personne I shall be set up under the control of senior Executive, who wil I directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the M inistry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for En vironment Protection (CREP) regarding plants located in the industrial estates/park shall be implemented.
- vii. Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.

➤ MISCELLANEOUS

- i. Construction material has to be brought from approved/authorized places.
- ii. Internal Road widths within the industrial area shall be minimum 18 m ROW.
- iii. Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.
- iv. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- v. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- vi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

V1 I. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

- viii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- x. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- Xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Annexure – F (Sand Mining Projects – EC)

A. Specific Condition

1. The Project Proponent shall obtain all necessary clearance/ permission from all concerned departments before commencement of mining works.
2. The Environmental Clearance will be valid for mine lease period subject to a ceiling of 5 years.
3. The project proponent before starting any activity /preparation of ground, on the leased area shall demarcate his lease hold by RCC pillars erected at the cost of lease holder after certification of the mining officer. On each pillar Geo-Coordinate and fore bearing/ back bearing shall be written with permanent paint mark as described in the mining plan. All the pillars should remain intact at same geo-coordinate. Establishment/ labeling of Benchmark at each pillars or ground control points.
4. Extraction of sand beyond annual production capacity is not permitted.
5. The Project Proponent should undertake the sand mining limited to 03 meters (three meters) depth by semi-mechanised method (without using any heavy machine), preferably by manual excavation.
6. Extraction will be carried out up to a maximum depth of 03 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is earlier.
7. No mining shall be carried out in the areas prominently used by wild animals (birds and reptiles) for nesting. Restricted working hours-Sand mining operation has to be carried out between 6 am to 7 pm.
8. No mining shall be carried out in 3 meter wide strip from the river bank in a River flood plain and within flowing/live water channel.
9. To maintain the safety and stability of Riverbanks, 3 meter or 10% of the width of the River whichever is more will be left intact as "No Mining Zone".

10. No stream shall be diverted for the purpose of sand mining. No natural water course and / or water reservoirs shall be obstructed due to mining operations.
11. The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered vehicles / trucks only and the vehicle shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.
12. The stacking area of mined-out sand which shall be situated near the mining site within a fenced area from all sides to avoid being spread in the nearby areas by high winds and the height of stacking should not exceed 2 meter. Transportation shall be confined to day time only that is from sunrise to sunset, to avoid inconvenience to local population in anyway.
13. Rubbish burial shall not be done in the Rivers.
14. Adequate steps shall be taken to check soil erosion and control of debris flow etc. by constructing engineering structures.
15. Mining activity shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
16. The approach road from loading point upto main road shall be properly developed with proper width and geometry required for safe movement of traffic by lease holder at his own cost.
17. Main haulage road in the mine shall be provided with permanent water sprinklers and other roads shall be regularly wetted with water tankers fitted with sprinklers.
18. Transportation of the Minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The Project Proponent shall bear the cost towards the widening and strengthening of existing public road-network in case the same is proposed to be used

for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.

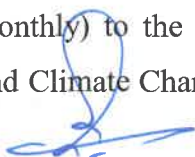
19. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
20. Project Proponent shall appoint a Monitoring committee to monitor the replenishment study, traffic management, levels of production, river Bank erosion and maintenance of Road etc.
21. Project Proponent shall submit the 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. Regular monitoring of the flow rate of the springs and seasonal stream flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the SEIAA, Bihar, Regional office, Ranchi, Central Ground water Authority, Regional Director, Central Ground water Board, State Pollution Control Board and Central Pollution Control Board.
23. The project proponent shall abide by the Hon'ble Supreme Court order dated 08.01.2020 [Writ Petition 9 (s) (Civil No. (s) 114/2014]. Proposal of re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. In compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petitioner(s) Civil No. 114/2014, Common Cause Vs Union of India & Ors.
24. The individual sand ghat-miner will take appropriate measures to avoid parking of empty / loaded vehicles on nearest highway/ public roads to avoid traffic congestion.
25. Project Proponent will adhere to all applicable provisions of Sustainable Sand Mining Management Guidelines 2016 and Enforcement & Monitoring Guidelines for Sand

Mining, 2020 (EMGSM – 2020) issued by Ministry of Environment, Forest and Climate Change, Government of India. In case, any ambiguity or variation between the provision of both these document arises, the provision made in “Enforcement and Monitoring Guidelines for Sand Mining – 2020” shall prevail.

26. All specific and general conditions which are of public concern at large shall be permanently displayed at a prominent place for public along with address and contact details of authority where the violation of EC conditions can be reported.
27. Project proponent shall erect a signboard on his project site and display information regarding name of the project, No. & date of validity period of EC, annual production capacity of the mineral and other relevant information for the general public.

B. General condition

1. No stacking of sand is allowed on road side of any public road including national highways/ State highways.
2. No labour camp shall be allowed in riverbed.
3. Provision shall be made for housing labour with all necessary infrastructure and facilities (outside mining Block and river-bed) such as fuel for cooking, toilets / mobile toilets, safe drinking water, First-Aid facilities, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Labour & Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any adverse health impact due to exposure to dust and take corrective measures, if needed.
5. The Project Proponent shall make arrangements for safe drinking water, first aid facility along With anti-venom injection, in case of emergency for the workers.
6. The project proponent shall maintain register for production and dispatch of mineral and submit periodic return (six-monthly) to the SEIAA, Bihar / Regional Office of Ministry of Environment, Forest and Climate Change, Government of India, Ranchi. If



the remaining period of lease is for less than a year, the Project Proponent shall submit a monthly return of production.

7. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle and mine plan. This should be produced before officers of Central and State Government for inspection whenever asked for.
8. Regular monitoring of ground water table shall be carried out at the upstream and depth of water available in the adjoining dug-well.
9. Monitoring of Ambient Air Quality, Water Quality & Noise Quality shall be carried out as per the Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places of loading and unloading points & transfer points to reduce all sorts of fugitive emissions.
10. The funds earmarked for environmental protection measures should be kept in a separate bank account and should not be diverted for other purpose. Year-wise expenditure should be reported to the SEIAA, Bihar.
11. The Project proponent shall provide all necessary logistic support to the authorized officer of this authority as and when required. They will facilitate and assist the authority in site inspection and monitoring.
12. All the provisions made and restrictions imposed as envisaged in the Bihar Minor Mineral Rule, shall be complied with; particularly regarding Environment Management and payment of compensation to the affected land owner(s).
13. No change in mining technology and scope of working should be made without prior approval of the SEIAA, Bihar.
14. The Ministry / SEIAA may alter / modify the above conditions or stipulate any additional condition(s) in the interest of environment.
15. Concealing of factual data or submission of false / fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal/suspension of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

16. The instruction contained herein above regarding air and noise pollution and details of mining proposals shall be displayed on Signboard in Hindi for the public information.
17. The SEIAA may impose additional conditions in the interest of Environment & Ecology whenever it becomes necessary to do so.
18. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

