

STATE EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR

Ref. No- 241.

Patna- 23, Date- 09/09/19.

To,

1. Shri Murarijee Mishra  
Vijay Nagar, Near Temple,  
Rukunpura, Patna - 800014
2. Dr. Samir Kumar Sinha,  
Wildlife Trust of India,  
F-13, Sector - 8, Noida, Uttar Pradesh - 201301
3. Dr. Amar Nath Verma,  
10192 ATS Advantage, Ahinsha Khand - 1,  
Near Habitat Centre, Indirapuram,  
Ghaziabad - 201014,
4. Dr. Shardendu,  
Department of Botany,  
Patna Science College, Patna
5. Shri Vijay Kumar Sinha, IFS (Retd.),  
Prasad Bhawan, R. K. Path,  
Pirmohani, Kadamkuan, Patna - 800 003.
6. Dr. Birendra Prasad,  
Department of Botany,  
Patna University,  
Patna - 800 005.
7. Dr. Sudhanshu Kumar,  
C - 3/1401, Puri Pranayama  
Sector 82 & 85, Faridabad - 121 007 (Haryana)
8. Dr. Rakesh Kumar Singh,  
G - 600, 12th Street, GAMA - II, Greater Noida (UP) - 201 310.

9. Dr. Dilip Kumar Paul,  
Assistant Professor & Course Coordinator, M.Sc.  
Environment Science & Management, Post Graduation Department of Zoology,  
Patna University, Patna, Bihar - 800 005

Sub :- Proceedings of meeting of State level Expert Appraisal Committee held on  
30.08.2019.

Sir,

Please find enclosed herewith proceedings of the State Expert Appraisal Committee  
(SEAC) meeting held on 30<sup>th</sup> August, 2019.

Yours sincerely,

 9/9/19

(Alok Kumar)  
Member Secretary  
SEAC, Bihar

Proceedings of the State Expert Appraisal Committee (SEAC) meeting dated 30<sup>th</sup> August, 2019 -

A meeting of SEAC was held in the meeting hall of SEIAA, Bihar, Patna on - 30<sup>th</sup> August, 2019 presided over by the Chairman, SEAC. The following members of the Committee were present in the meeting:

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

The records of project proposals included in the agenda were put up before the Committee by supporting staff/officials for necessary appraisal. The Project Proponents / Consultants of the respective project proposals made presentation before the Committee.

The Committee discussed project proposals and made the following observations/recommendations for various projects and/or sought compliance on the points raised in relation thereto-

1. Multi- Storied Residential Project namely "Dr. R. P. Estate", Village:- Paigambarpur Kolhua, P.S.:- Ahiyapur, District:- Muzaffarpur, State:- Bihar, Plot Area - 22,425.30 m<sup>2</sup>, Total Built-up Area - 1,12,600.25 m<sup>2</sup> (**File No. - SIA/8(a)/683/19**). **Online Proposal No.:- SIA/BR/NCP/92256/2019**.  
Proponent:- Asha Vihar Properties Private Limited.  
Consultant :- Grass Roots Researches and Creation India Pvt. Ltd.

Application along with filled up 'Form - I', Form - I (A) and Conceptual Plan in the prescribed format was submitted to SEIAA, Bihar on 10<sup>th</sup> April, 2019 for obtaining Environmental Clearance (EC). The SEAC in its meeting dated 28.06.2019 decided to

recommend granting of EC as contained in the MoM dated 08.07.2019 (Ref. No. 181). SEIAA has sent back the Proposal for reconsideration vide Ref. No. 241 dated 06.08.2019.

The resolve of SEIAA in the relevant matter was discussed by the SEAC which decided to communicate its views as under:-

- a) Sub Para (i) of IV. Stage (4) - Appraisal under Para 7 (i) of the EIA Notification, 2006 may be gone through. Accordingly the recommendation of the SEAC shall be categorical (=without doubt, clear, unambiguous) for grant of Environmental Clearance, or for rejection of application together with reasons for the same.
- b) In the opinion of the SEAC the recommendation for rejection (only) need be made with statement of reasons therefor, as mandated in the above mentioned provisions.
- c) The SEAC, therefore, has decided to reiterate its earlier recommendation in this case.
- d) The SEIAA is advised to be discrete in selection of the words / phrases while addressing the SEAC. In place of using the words "... directing SEAC....", the words "requesting the SEAC.." would be more appropriate as contained in Para 8 (ii) of the EIA Notification, 2006.

2. RESIDENTIAL APARTMENT "SAI ENCLAVE" Developer: M/s Sri Anuanand Construction Pvt. Ltd., Village:- Mustafapur, Tehsil:- Danapur, District:- Patna, State:- Bihar, Total Plot Area:- 24,633.43 m<sup>2</sup> Total Built-up Area:- 72,661.74 m<sup>2</sup>. (File No. - SIA/8(a)/602/18) Online Proposal No.:- SIA/BR/MIS/83570/2018).

Proponent : M/s Anu Anand Construction Private Limited.

Consultant :- PARAMARSH (Servicing Environment and Development), Lucknow.

Application along with filled up 'Form - I', Form - I (A) and Conceptual Plan in the prescribed format was submitted to SEIAA, Bihar on 17<sup>th</sup> December, 2018 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide F. No. SIA/8(a)/602/18, dated 11.04.2019. Final EIA report was submitted by Project Proponent

in the prescribed format to SEIAA, Bihar on 14.06.2019 for obtaining Environmental Clearance (EC). The SEAC appraised the Proposal in its meeting on 28.06.2019 and recommended for grant of EC vide Ref. No. 181 dated 08.07.2019.

The SEIAA has sent the above mentioned proposal "*RESIDENTIAL APARTMENT "SAI ENCLAVE" Developer: M/s Sri Anuanand Construction Pvt. Ltd., Village:- Mustafapur, Tehsil:- Danapur, District:- Patna, State:- Bihar*" back (vide Ref. No. 214 dated 06.08.2019) to SEAC for reconsideration mainly on the following grounds.

- That the time window for applying for Environmental Clearance in the case of violation has already expired on 12.04.2018.
- The same Project Proponent had earlier submitted the proposal for same place with similar details of plots & Khata - Khesra number etc.
- A compliant Case No. 82 (C2) of 2015 was filed by SEIAA in the Court of CJM, Patna, against Project Proponent "M/s Sri Anuanand Construction Pvt. Ltd. for violation of EIA Notification 2006.
- By hiding above facts & giving false undertaking the Project Proponent has tried to mislead the SEAC.

The resolve of the SEIAA was discussed in the SEAC meeting. It was observed and held that all these facts had been thoroughly discussed and considered at the "scoping stage" of the instant proposal and decision to issue ToR was arrived at. No new facts are mentioned by the SEIAA while referring the matter back for reconsideration. However, to clear the case further, it is decided to state as follows:-

1. OM dated 16.03.2018 does not include or refer to applications / proposals submitted under Notification No. 1030 (E) dated 08.03.2018. It is only in the context of proposals filed under Notification No. 804 (E), dated 14.03.2017 (which now stands amended by Notification dated 08.03.2018).
2. WP No. 11189/2017 was filed in the Hon'ble Madras High Court in reference to above mentioned Notification dated 14.03.2017, and the time limit noted in OM dated 16.03.2018 relate to proposals submitted thereunder. Para No. 4 (iv) of the



OM may be seen as also the provisions of OM dated 15.03.2018, issued in reference to Notification No. 1030 (E) dated 08.03.2018.

3. The matter of submitting a proposal again on the plot (s) including same Khata / Khasra does not hold ground if an Environmental Clearance has not been granted on the proposal earlier. The SEIAA has noted that the area of land and built up areas have substantially changed. Moreover, the proposal said to be filed in 2013 did not lead to any conclusion and stands expired in the view of time limit set forth by the EIA Notification, 2006 and therefore, the Project Proponent is not unjustified in submitting the instant proposal.
4. As far as the said complaint case is concerned, the Proponent has denied any information in respect thereof. The SEIAA office could not produce any authentic document (notice issued to Proponent / process of the Court etc.) in support of existence of the said case, or contradicting the denial / claim of Proponent. The above mentioned facts refute the case of concealment of informations and submission of false undertaking on part of the Proponent.

In the light of above the SEAC stands by its recommendation contained in the SEAC MoM (Ref. No. 181) dated 08.07.2019 for granting Environmental Clearance to Project Proponent.

3. Gardanibagh Housing Development Project (Officer's Enclave Type - A Quarters; Type - B Quarters, Plot No. D, Type - B Quarters, Plot No. H and Type - B Quarters Plot No.- O) Village:- Gardanibagh, Tehsil:- Patna Sadar, District - Patna, State - Bihar, Total Plot Area:- 38.65 Acres, Total Built-up Area:- 2,62,834.2 m<sup>2</sup> (File No. - SIA/8(b)/686/19).  
**Online Proposal No.:- SIA/BR/NCP/34882/2019).**  
Proponent :- Building Construction Department, Govt. of Bihar.  
Consultant :- Ascenco Management and Consulting Services Pvt. Ltd.

Application along with filled up 'Form - I', 'Form - I (A) and Conceptual plan in the prescribed format submitted to SEIAA, Bihar on 14<sup>th</sup> May, 2019 for obtaining Terms of Reference (ToR).



Earlier, in the meeting dated - 31<sup>st</sup> May 2019 the Committee had directed the project proponent to submit revised Form - I/ plan and documents as mentioned in the proceeding of that meeting. The Project Proponent has complied with.

The Committee considered the compliance submitted by Project Proponent and after due discussion and consideration the Committee decided that Terms of Reference (ToR) be granted to the proposal as Annexure- I.

4. Installation of 20 MW Captive Thermal Power Plant at Plot No. NS - 16 (P), Aurangabad Industrial Growth Center (BIADA), District- Aurangabad, Bihar by M/s Shree Cement Ltd (Unit - New Bihar Cement Plant - CPP), Total Capacity - 20 MW, (File No. - SIA/1(d)/607/19). Online Proposal No.:- SIA/BR/THE/29999/2018). ().

Proponent :- M/s Shree Cement Limited.

Consultant :- J. M. Environet Pvt. Ltd., Gurugram

Application along with filled up 'Form - I', Form - I (A) and Conceptual Plan in the prescribed format was submitted to MoEF&CC on 06<sup>th</sup> February, 2018 for obtaining approved Terms of Reference (ToR). The MoEF&CC issued ToR vide No. J-13012/05/2018-IA. I. (T), dated 07.05.2018 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 29.10.2018. Final EIA report submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 22.01.2019 for obtaining Environmental Clearance (EC).

Earlier, in the meeting dated-25/26 April 2019 the Committee had directed the project proponent to submit revised EIA Report as mentioned in the proceeding of that meeting.

The proponent and consultant presented the proposal before the Committee. The Committee observed that the data related to air and meteorological conditions suffer from various discrepancies and therefore Committee cannot rely on air pollutant dispersion model discussed in the EIA report. The Committee expressed displeasure over repeatedly submitting erroneous data etc. The Project Proponent may obtain the relevant meteorological data from the nearest IMD AWS station which may be used to validate the met data set of the Project Proponent. The Project Proponent requested for time for



collection of one season (October - December) monitoring data and submission of revised EIA Report in February, 2020. Proponent's request was accepted by the Committee.

5. "Common Bio-Medical Waste Treatment Facility" Village Ram Chak Bairiya, Tehsil-Patna, District - Patna, State - Bihar, (File No. - SIA/7(da)/650/19) Online Proposal No.:- SIA/BR/MIS/31274/2018).

Proponent :- Sangam Mediserve Private Limited.

Consultant :- Fulgro Environmental and Engineering Services (I) Pvt. Ltd., Jaipur.

Application along with filled up 'Form - I', Pre-feasibility Report and Environment Management Plan in the prescribed format submitted to MoEF&CC on 20<sup>th</sup> February, 2019 for obtaining Terms of Reference (ToR). The MoEF&CC issued ToR vide F. No. 10-7-2018-IA-III, dated 06.04.2018 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 10.11.2018. Final EIA report submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 05.03.2019 for Environmental Clearance (EC).

Earlier, in the meeting dated - 31 May 2019 the Committee had directed the project proponent to submit revised EIA Report along with the softcopies of air model input and output files including metrological data and emission inventory calculation sheet mentioned in the proceeding of that meeting.

The proponent and consultant presented the proposal before the Committee. Committee observed that the metrological data was not representative of the study area. The Project Proponent may be advise to also obtain the relevant meteorological data from the nearest IMD AWS station which may be used to validate the met data set of Project Proponent. It also expressed displeasure on behaviour of the consultant. The Project Proponent has tendered his apology while requesting to grant them a chance to submit a revised report. The Committee agreed to their request as a last chance.

6. "KUNDAGHAT RESERVOIR SCHEME", Village:-Sikandra, Block:- Sikandra, Block:- Sikandra, District:- Jamui, State:- Bihar, (File No. - SIA/1(c)/428/17). Online Proposal No.:- SIA/BR/RIV/26099/2016).



Proponent :- Advance Planning Investigation and Project Planning.

Consultant :- Enviro Infra Solutions Pvt. Ltd.

Earlier, in the meeting dated-26<sup>th</sup> February 2019 the Committee decided that ToR be granted with special reference to violation (Notification No. S.O. 1030 (E), dated 08.03.2018 of MoEF&CC, GoI). The proponent submitted its final EIA report on 16.05.2019.

Earlier, in the meeting dated - 31 May 2019 the Committee had directed the project proponent to submit revised EMP Report and other documents mentioned in the proceeding of that meeting.

The proponent and consultant presented the proposal before the Committee. Committee was surprised at the content and quality of the EMP (Wildlife Management Plan, Natural and community resources augmentation plans etc.). Many of the proposed activities were irrelevant and unrealistic. The Consultant's behaviour too was objectionable, over which the representatives of the Project Proponent expressed regret.

The Project Proponent has requested to allow them to submit compliance, and for consideration of Project in next meeting of SEAC. The request is accepted as a last chance.

7. Sand Mining Project on Falgu river at Alipur Ghat of District- Gaya, State- Bihar, Area - 30.05 Ha (File No. - SIA/1(a)/323/16), Online proposal No.: - SAI/BR/MIN/17902/2016).

Proponent :- Westlink Trading Pvt. Ltd.

Consultant :- Cognizance Research India Private Limited.

Application along with filled up 'Form - I' and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 22<sup>th</sup> April, 2016 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide 575, dated 16.03.2017 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 16.03.2019. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 20.05.2019 for obtaining Environmental Clearance (EC).

8. Sand Mining Project on Shanti Nagar Ghat (Stretch 2 of Block -I I) of District:- Gaya, State:- Bihar, Area - 30.50 Ha (File No. - SIA/1(a) /441/17), Online Proposal No. : - SIA/BR/MIN/17923/2016).

Proponent :- Westlink Trading Pvt. Ltd.

Consultant :- Cognizance Research India Private Limited.

Application along with filled up 'Form - I' and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 13<sup>th</sup> February, 2017 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide 576, dated 16.03.2017 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 15.03.2019. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 20.05.2019 for obtaining Environmental Clearance (EC).

9. Sand Mining Project on Bajitpur Ghat (Stretch 4, Block - 2) of District:- Gaya, State:- Bihar, Area - 30 Ha (File No. - SIA/1(a)/439/17), Online proposal No.:- SIA/BR/MIN/17918/2016).

Proponent :- Westlink Trading Pvt. Ltd.

Consultant :- Cognizance Research India Private Limited.

Application along with filled up 'Form - I' and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 13<sup>th</sup> February, 2017 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide 577, dated 16.03.2017 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 16.03.2019. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 20.05.2019 for obtaining Environmental Clearance (EC).

The above said proposals (agenda item no. 7 to 9) being qualitatively similar were appraised together.

Earlier, in the meeting dated - 28<sup>th</sup> June 2019 the Committee had directed the project proponent to submit documents mentioned in the proceeding of that meeting.



The Project Proponent has approached the Zoological survey of India regional office Patna and District forest officer, Gaya for such a certificate (dated 15.04.2019 and 25.04.2019) but in vain. Project Proponent then got the matter surveyed / studied by Deptt. of Zoology Soghra College, Bihar sarif, Nalanda and has submitted a report issued by Head of Deptt. of Zoology in the matter. Accordingly the mining blocks being situated on the dry sand bed do not have any such breeding ground.

The Project Proponent has submitted an affidavit that he "*will submit the lease deed of mining area after getting Environmental Clearance and mining will be started after submission of the lease deed to SEIAA Bihar*".

The Project Proponent has submitted compliance which were discussed and considered. The SEAC decided to accept the above mentioned report and affidavit and to recommend the above mentioned sand mining proposals (agenda items 7 to 9) for Environmental Clearance as Annexure - II.

10. Samaharnalaya Bhawan Complex, Village- Muradpur, Tehsil- Phulwari, District- Patna, State - Bihar, Total Plot Area:- 43,454 m<sup>2</sup>, Total Built-up Area:- 38,812 m<sup>2</sup>. (File No. - SIA/8(a)/690/19). **Online Proposal No.:- SIA/BR/MIS/106801/2019**.  
Proponent :- Building Construction Department, Govt. of Bihar.  
Consultant :- Grass Roots Researches and Creation India Pvt. Ltd.

Application along with filled up 'Form - I, Form - IA and Conceptual plan in the prescribed format submitted to SEIAA, Bihar on 22<sup>nd</sup> July, 2019 for obtaining Environmental Clearance (EC).

The Proponent and Consultant presented the proposal before the Committee. It is observed that:-

1. There are certain inadequate or unquantified informations in Form-I and Form -IA which need to be furnished and revised Forms submitted.
2. All Building roofs should be used for erection of maximum number of solar panels to generate solar electricity / (to maximize tapping of solar energy) - Revised proposal to be submitted.

3. Proposal must include rain water harvesting with utilization plan and drainage plan - Revised proposal to be submitted.

The Project Proponent is directed to submit revised Form- I, Form IA and EMP report.

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

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

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


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


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

Sd/-  
(Dr. Rakesh Kumar Singh)  
(Member, SEAC)

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

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

  
9/9/19  
(Alok Kumar)  
Member Secretary, SEAC

  
9/9/19  
(Murarijee Mishra)  
Chairman, SEAC

## Annexure - I

### A. STANDARD TERMS OF REFERENCE

#### Terms of Reference for EIA and preparation of Environment Management Plan

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be collected in non-monsoon season in relation to the project development will be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. AERMOD or any other latest model shall be used to predict the GLC of various air pollutant such as PM2.5, PM10, Sox, NOx etc. accordingly appropriate mitigation measures shall be suggested. All the monitoring stations shall be established in accordance with Standard Manual for undertaking EIA studies for Building & Construction and Area Development project and submit soft copy of at least one geotagged photographs for each sampling site and each sampling days having clearly imprinted date and time of monitoring along with google map showing location of all the monitoring sites. Project Proponent has to submit all raw data pertaining to air environment, meteorology and dispersal model which will be used in the EIA report.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
6. Submit the species wise details such as GBH etc of the trees to be felled for the project.
7. Submit a detailed report on avifauna found within the entire area and suggest a mitigation measures for protection and conservation of species in project affected sites.

8. The entire vacant land to the east of proposed Block - H of which green area has been proposed measuring only 9310.40 m<sup>2</sup> out of total 21,316.23 m<sup>2</sup> should be developed as green area and detail plan of its development shall be enclosed.
9. The detail development plan of all other area marked as proposed green area shall be enclosed.
10. Effort should be made for removal of minimum number of existing trees as far as possible. Detailed action plan in this regard should be enclosed.
11. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
12. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
13. Ground water classification as per the Central Ground Water Authority.
14. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
15. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
16. Examine soil characteristics and depth of ground water table for rainwater harvesting.
17. Examine details of solid waste generation treatment and its disposal.
18. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
19. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
20. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should

be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

21. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
22. Examine the details of transport of materials for construction which should include source and availability.
23. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
24. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster:
25. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
26. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
27. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

A

## Annexure - II

### A. Specific Condition

1. The Project Proponent shall submit to SEIAA, Bihar a copy of the lease deed of each mining area / ghat (separately) before starting mining in the lease area.
2. Environmental clearance shall valid for a maximum period of 5 years or till expiry of lease period whichever is earlier.
3. The project proponent before starting any activity /preparation of ground, on the leased area shall demarcate his lease hold by RCC pillar erected at the cost of lease holder after certification of the mining officer. On each pillar Geo-Coordinate shall be written with permanent paint mark as described in the mining plan.
4. Sand mining in river bed shall be done semi-mechanized and preferably manual.
5. Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier.
6. No mining shall be carried out in the areas prominently used by wild animals (birds and reptiles) for nesting.
7. 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.
8. 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.
9. 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.
10. Restricted working hours. Sand mining operation shall be carried out in day hours only.
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 area fenced from all sides to avoid being spread in the nearby areas by high winds and the height 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 any.
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 shall not be undertaken in a mining lease located in 200 - 500 meter of bridge, 200 meter upstream and downstream of water supply / irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, channel or building, 25 meter from the edge of State Highway and 10 meters from the edge of others roads.
16. 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.
17. 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.
18. 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.
19. 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



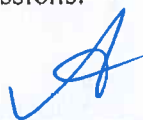
the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.

20. 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.
21. 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.
22. 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.
23. Regular monitoring of the flow rate of the springs and seasonal nallhas 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.
24. Project proponent shall erect a signboard on his project site and display information regarding name of the project, No. date and validity period of EC, annual production capacity of the mineral and other relevant information for the general public.
25. Apart from above the project proponent shall abide by the Sustainable Sand Mining Management Guidelines 2016 as issued MoEF&CC.
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.



## **B. General condition**

1. No stacking of sand is allowed on road side along 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 (out of mining Block and river-bed) such as fuel for cooking, toilets / mobile toilets, safe drinking water, First-Aid facilities, crèche etc. The housing shall be in the form of temporary structures to be removed after the completion of the project.
4. Labour & Personnels 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 contractions 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 and submit periodic return (six-monthly) to the SEIAA, Bihar.
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 Government and State 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 dug well.
9. Monitoring of Ambient Air Quality, Water Quality & Noise Quality shall be carried out based on 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 fugitive emissions.



10. The funds earmarked for environmental protection measures should be kept in separate 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 authorised officer of this authority as when required. They will facilitate and assist the authority in site inspection and monitoring.
12. Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India vide order dated 27.02.2012 in Deepak Kumar case [SLAP(C) Nos. 19628-19629 of 2009] and order dated 05.08.2013 of the Hon'ble National Green Tribunal in application No. 171/2013 shall be strictly followed.
13. 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 land owners.
14. No change in mining technology and scope of working should be made without prior approval of the SEIAA, Bihar.
15. The ministry / SEIAA may alter / modify the above conditions or stipulate any additional condition in the interest of environment protection.
16. Concealing 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.
17. The instruction contained here in above regarding air and noise pollution and details of mining proposals shall be displayed on Signboard in Hindi for public information.
18. 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.

