

STATE EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR

Ref. No- 84,

Patna- 23, Date- 10/04/19

To,


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

Sub :- Proceedings of meeting of State level Expert Appraisal Committee held on
29.03.2019 & 30.03.2019.

Sir,

Please find enclosed herewith proceedings of the State Expert Appraisal Committee (SEAC) meeting held on 29th & 30th March, 2019.

Yours sincerely,



(Alok Kumar)
Member Secretary
SEAC, Bihar

Proceedings of the State Expert Appraisal Committee (SEAC) meeting dated 29th and 30th March, 2019 -

A meeting of SEAC was held in the meeting hall of SEIAA, Bihar, Patna on - 29th and 30th March, 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. 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-

- A.1.** Proposed Expansion of Induction Furnace & Rolling Unit (from 1,09,100 TPA to 1,66,320 TPA) Located at Sabalpur, Deedarganj, Patna , Bihar by M/s Neelkamal Steels Pvt. Ltd., (NSPL), (**Proposal No. - SIA/3(a)/603/19**). **Online Proposal No.:- SIA/BR/IND/30735/2018**).

Proponent :- M/s Neelkamal Steels Pvt. Ltd.

Consultant :- Mantras Green Resources Limited.

Application along with filled up 'Form - I', Pre-feasibility report and Environment Management Plan in the prescribed format was submitted to MoEF&CC on 16th January, 2018 for obtaining approved Term of Reference (ToR). The MoEF&CC issued ToR Vide F. No. J-11011/30/2018-IA-II(I), dated 27.02.2018 and public hearing for the proposed



project was conducted by Bihar State Pollution Control Board on 24.11.2018. Final EIA report submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 16.01.2019 for obtaining Environmental Clearance (EC).

Earlier, in the meeting dated-25th January 2019 the Committee had directed the project proponent to submit documents as mentioned in the proceeding of that meeting. It is also noted that the SEIAA had inspected the unit on 04.08.2018 and observed non-compliance of certain Environmental Clearance conditions mentioned in SEIAA letter no. 325, dated 20.12.2018. The Project Proponent has submitted compliance of the SEIAA direction as well. The Committee observed that certain specific conditions shall be stipulated which find mention in Annexure stipulating the Environmental Clearance conditions. The Project Proponent has complied. The Committee considered the proposal in the light of above and recommended the proposal for grant of Environmental Clearance as Annexure - I.

Agenda Item No. B2 to B27 Applications for ToR

- B.2.** Garsanda Sand Ghat on Kiul River of District- Jamui, Area - 24 Ha (File No. - SIA/1(a)/558/18). Online Proposal No.:- SIA/BR/MIN/30961/2019).
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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.3.** Kendua Balu Ghat on Barnar River of District- Jamui, Area - 23 Ha (File No. - SIA/1(a)/559/18). Online Proposal No.:- SIA/BR/MIN/30968/2019).
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 submitted to SEIAA, Bihar on 12th February, 2019.



B.4. Sono Balu Ghat on Barnar River of District- Jamui, Area - 21 Ha (File No. - SIA/1(a)/561/18). Online Proposal No.:- SIA/BR/MIN/31027/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.5. Smarak Sand Ghat on Kiul River of District- Jamui, Area - 22 Ha (File No. - SIA/1(a)/563/18). Online Proposal No.:- SIA/BR/MIN/31025/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.6. Badibag Sand Ghat on Kiul River of District- Jamui, Area - 24 Ha (File No. - SIA/1(a)/564/18). Online Proposal No.:- SIA/BR/MIN/30942/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

B.7. Judgi Balu Ghat on Barnar River of Jamui district, Area – 23.5 Ha (File No. - SIA/1(a)/569/18). Online Proposal No.:- SIA/BR/MIN/30998/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.



- B.8.** Charghara and Amba Sand Ghat on Ulai River of Jamui district, Area – 23.5 Ha (**File No. - SIA/1(a)/570/18**). **Online Proposal No.:- SIA/BR/MIN/30959/2019**).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.9.** Ghanshyamthan Koluha Balu Ghat on Barnar River of Jamui district, Area - 24 Ha (**File No. - SIA/1(a)/575/18**). **Online Proposal No.:- SIA/BR/MIN/30972/2019**).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.10.** Katauna Sand Ghat on Kiul River of Jamui district, Area – 22.5 Ha (**File No. - SIA/1(a)/576/18**). **Online Proposal No.:- SIA/BR/MIN/30963/2019**).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.11.** Dumri Sand Ghat on Barnar River of Jamui district, Area - 24 Ha (**File No. - SIA/1(a)/577/18**). **Online Proposal No.:- SIA/BR/MIN/30943/2019**).

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 submitted to SEIAA, Bihar on 11th February, 2019.



- B.12.** Gausala Sand Ghat on Ulai River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/578/18). Online Proposal No.:- SIA/BR/MIN/30966/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.13.** Parsa Sand Ghat on Kiul River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/579/18). Online Proposal No.:- SIA/BR/MIN/31024/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.14.** Sair and Pandeydih Sand Ghat on Ulai River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/580/18). Online Proposal No.:- SIA/BR/MIN/30995/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.15.** Kendih Sand Ghat on Kiul River of Jamui district, Area - 23 Ha (File No. - SIA/1(a)/581/18). Online Proposal No.:- SIA/BR/MIN/30965/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.



B.16. Nariyana Chacho Sand Ghat on Kiul River of Jamui district, Area - 21.5 Ha (File No. - SIA/1(a)/582/18). Online Proposal No.:- SIA/BR/MIN/30945/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

B.17. Balio Sand Ghat on Ulai River of Jamui district, Area - 23 Ha (File No. - SIA/1(a)/583/18). Online Proposal No.:- SIA/BR/MIN/30949/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

B.18. Panbarwa Balu Ghat on Kiul River of Jamui district, Area - 22 Ha (File No. - SIA/1(a)/584/18). Online Proposal No.:- SIA/BR/MIN/31021/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.19. Bihari Sand Ghat on Kiul River of Jamui district, Area - 20.5 Ha (File No. - SIA/1(a)/585/18). Online Proposal No.:- SIA/BR/MIN/30950/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.



B.20. Satgama Sand Ghat on Kiul River of Jamui district, Area - 23.5 Ha (File No. - SIA/1(a)/586/18). **Online Proposal No.:- SIA/BR/MIN/30999/2019).**

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.21. Auria Sand Ghat on Bannar River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/588/18). **Online Proposal No.:- SIA/BR/MIN/30960/2019).**

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.22. Balthar and Hanjro Sand Ghat on Bannar River of Jamui district, Area - 22.5 Ha (File No. - SIA/1(a)/589/18). **Online Proposal No.:- SIA/BR/MIN/30975/2019).**

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 submitted to SEIAA, Bihar on 12th February, 2019.

B.23. Pakri Sand Ghat on Kiul River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/591/18). **Online Proposal No.:- SIA/BR/MIN/31026/2019).**

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 submitted to SEIAA, Bihar on 12th February, 2019.



- B.24.** Bhour Sand Ghat on Kiul River of Jamui district, Area - 23.5 Ha (File No. - SIA/1(a)/592/18). Online Proposal No.:- SIA/BR/MIN/30962/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.25.** Jaljoga Sand Ghat on Kiul River of Jamui district, Area - 23 Ha (File No. - SIA/1(a)/593/18). Online Proposal No.:- SIA/BR/MIN/30983/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.26.** Lotun and Ratanpur Sand Ghat on Kiul River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/595/18). Online Proposal No.:- SIA/BR/MIN/30978/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.

- B.27.** Sati and Garhi Sand Ghat on Ulai River of Jamui district, Area - 22 Ha (File No. - SIA/1(a)/597/18). Online Proposal No.:- SIA/BR/MIN/31019/2019).

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 submitted to SEIAA, Bihar on 12th February, 2019.



The Proponent and Consultant presented the above mentioned proposals (B.2 to B.27) before the Committee. These proposals had already been appraised by the Committee earlier and recommended for Environmental Clearance, but due to the Hon'ble NGT stay order dated 11.12.2018 they could not be granted Environmental Clearance by the SEIAA, Bihar. During presentation, the Project Proponent and Consultant informed that they have already completed monitoring (during December 2018 to February 2019) which may please be allowed. The SEAC felt that there is no objection in doing so, and as such the request is accepted. After due discussion and consideration the Committee decided that Term of Reference be granted to these proposals as Annexure - II.

Agenda Item No. B.28 to B.35 Applications for ToR

- B.28.** Giddheshwar Sand Ghat on Kiul River of Jamui district, Area - 23.5 Ha (File No. - SIA/1(a)/609/19). Online Proposal No.:- SIA/BR/MIN/30974/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.29.** Raksha Oriya Sand Ghat on Jhanjhi River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/610/19). Online Proposal No.:- SIA/BR/MIN/31030/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.30.** Mandhata Sand Ghat on Barnar River of Jamui district, Area - 23.5 Ha (File No. - SIA/1(a)/611/19). Online Proposal No.:- SIA/BR/MIN/31028/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.31.** Jogidiha Numar Sand Ghat on Anjana River of Jamui district, Area - 22.5 Ha (File No. - SIA/1(a)/612/19). Online Proposal No.:- SIA/BR/MIN/30996/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.32.** Lipatwa Sand Ghat on Barnar River of Jamui district, Area - 22 Ha (File No. - SIA/1(a)/613/19). Online Proposal No.:- SIA/BR/MIN/30976/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.33.** Simaria Sand Ghat on Barnnar River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/614/19). Online Proposal No.:- SIA/BR/MIN/31031/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.34.** Darha & Bharari Sand Ghat on Anjana River of Jamui district, Area - 23.5 Ha (File No. - SIA/1(a)/615/19). Online Proposal No.:- SIA/BR/MIN/30980/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

- B.35.** Dinari Sand Ghat on Barnnar River of Jamui district, Area - 24 Ha (File No. - SIA/1(a)/616/19). Online Proposal No.:- SIA/BR/MIN/30967/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

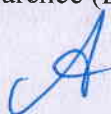
The Proponent and Consultant could not make presentation (B.28 to B.35) as they had not come fully prepared with map and KML file etc, for which they were cautioned by the Committee. The Committee decided to take up the proposals for consideration only after the required documents / informations are made available.

- C.36.** "Common Bio-Medical Waste Treatment Facility" Village Ram Chak Bairiya, Tehsil- Patna, District - Patna, State - Bihar, (Proposal 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

An application along with filled up 'Form - I', Pre-feasibility report and Environment Management Plan in the prescribed format was submitted to MoEF&CC on 20th February, 2018 for obtaining Term 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).



The Proponent and Consultant presented the proposal before the Committee. It was observed that the consultant has not conducted baseline monitoring as per the standard guidelines of MoEF&CC and CPCB, and intentionally presented misleading data in the report. The consultant also failed to present softcopies of air dispersion modeling input/output and meteorological data files during the presentation. The EIA report submitted earlier contained several unscrupulous errors eg. base line data relating to air quality of Varanasi was taken in place of Patna. The Project Proponent and Consultant were warned for such commission of error and ignorance and directed to submit revised EIA report. The revised report shall include the following:-

- (i) Revised ETP design as per CPCB norms,
- (ii) Scheme of multi-row plantation along periphery of the project site,
- (iii) Scheme of environment related awareness efforts (eg. Hoardings etc).

Further, The Committee decided to communicate displeasure to the consultant M/s Fulgro Environmental and Engineering Services (I) Pvt. Ltd., Jaipur. Also the Consultant is directed to submit his accreditation certificate (regarding BMW) issued by QCI/NABET.

It was also decided by the Committee that if any Consultant was found to be presenting misleading information similar action as above will be taken against him.

Agenda Item No. D37 to D43 Applications for ToR

D.37. Maliya Sand Ghat on Kiul River of Lakhisarai district, Area - 24.5 Ha (File No. - SIA/1(a)/545/18). Online Proposal No.:- SIA/BR/MIN/30938/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.



D.38. Sand Mining Project on river Kiul at Ghoshi Kundi Sand Ghat of Lakhisarai district, Area - 22 Ha (File No. - SIA/1(a)/546/18). Online Proposal No.:- SIA/BR/MIN/30928/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

D.39. Sand Mining Project on river Kiul at Gurdih Sand Ghat of Lakhisarai district, Area - 18.5 Ha (File No. - SIA/1(a)/547/18). Online Proposal No.:- SIA/BR/MIN/30927/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

D.40. Sand Mining Project on river Kiul at Garhi Bisanpur Sand Ghat of Lakhisarai district, Area - 24 Ha (File No. - SIA/1(a)/548/18). Online Proposal No.:- SIA/BR/MIN/30922/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

D.41. Sand Mining Project on river Kiul at Nagardar Sand Ghat of Lakhisarai district, Area - 23.5 Ha (File No. - SIA/1(a)/549/18). Online Proposal No.:- SIA/BR/MIN/30933/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

- D.42.** Sand Mining Project on river Kiul at Rampur Sand Ghat of Lakhisarai district, Area - 23.5 Ha (File No. - SIA/1(a)/550/18). Online Proposal No.:- SIA/BR/MIN/30937/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

- D.43.** Sand Mining Project on river Kiul at Birdaban Sand Ghat of Lakhisarai district, Area – 18 Ha (File No.:- SIA/1(a)/566/18). Online Proposal No.:- SIA/BR/MIN/30913/2019).

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 submitted to SEIAA, Bihar on 11th February, 2019.

The Proponent and Consultant presented the above mentioned proposals (D.37 to D.43) before the Committee. These proposals had already been appraised by the Committee earlier and recommended for Environmental Clearance, but due to the Hon'ble NGT stay order dated 11.12.2018 they could not be granted Environmental Clearance by the SEIAA, Bihar. During presentation, the Project Proponent and Consultant informed that they have already completed monitoring (during December 2018 to February 2019) which may please be allowed. The SEAC felt that there is no objection in doing so, and as such the request is accepted. After due discussion and consideration the Committee decided that Term of Reference be granted to these proposals as Annexure - II.



Agenda Item No. D44 Application for ToR

- D.44.** Sand Mining Project on river Kiul at Tatarhat Sand Ghat of Lakhisarai district, Area – 21.5 Ha (File No.:- SIA/1(a)/608/19). Online Proposal No.:- SIA/BR/MIN/30921/2019).

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 submitted to SEIAA, Bihar on 13th February, 2019.

The Proponent and Consultant presented the above mentioned proposals before the Committee. During presentation, the Project Proponent and Consultant informed that they have already completed monitoring (during December 2018 to February 2019) which may please be allowed. The SEAC felt that there is no objection in doing so, and as such the request is accepted. After due discussion and consideration the Committee decided that Term of Reference be granted to these proposals as Annexure - II.

Agenda Item No. E45 to E58 Applications for ToR

- E.45.** Sand Mining Project on Son River at Modahi Ghat, of District- Patna, Area - 24 Ha (File No. - SIA/1(a)/624/19). Online Proposal No.:- SIA/BR/MIN/31041/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 18th February, 2019.

- E.46.** Sand Mining Project on Son River at Annabad Ghat 1, of District- Patna, Area - 24.8 Ha (File No. - SIA/1(a)/625/19). Online Proposal No.:- SIA/BR/MIN/30872/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 18th February, 2019.

- E.47.** Sand Mining Project on Son River at Mustafapur Ghat, of District- Patna, Area - 23.5 Ha (File No. - SIA/1(a)/626/19). **Online Proposal No.:- SIA/BR/MIN/31517/2019).**
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

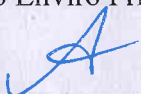
- E.48.** Sand Mining Project on Ganga River at Rupas Ghat, of District- Patna, Area - 14.8 Ha (File No. - SIA/1(a)/627/19). **Online Proposal No.:- SIA/BR/MIN/31543/2019).**
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.49.** Sand Mining Project on Ganga River at Gosai Tola Ghat, of District- Patna, Area - 18 Ha (File No. - SIA/1(a)/628/19). **Online Proposal No.:- SIA/BR/MIN/31554/2019).**
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.50.** Sand Mining Project on Ganga River at Mekra Ghat, of District- Patna, Area - 22 Ha (File No. - SIA/1(a)/630/19). **Online Proposal No.:- SIA/BR/MIN/31546/2019).**
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.



Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.51.** Sand Mining Project on Son River at Bindaul Ghat, of District- Patna, Area - 24.8 Ha (File No. - SIA/1(a)/633/19). Online Proposal No.:- SIA/BR/MIN/31513/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.52.** Sand Mining Project on Son River at Bindaul Ghat 1, of District- Patna, Area - 24.9 Ha (File No. - SIA/1(a)/634/19). Online Proposal No.:- SIA/BR/MIN/31474/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.53.** Sand Mining Project on Son River at Muhammadpur Ghat, of District- Patna, Area - 24.7 Ha (File No. - SIA/1(a)/636/19). Online Proposal No.:- SIA/BR/MIN/30884/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.54.** Sand Mining Project on Son River at Pareo Ghat, of District- Patna, Area - 23 Ha (File No. - SIA/1(a)/637/19). Online Proposal No.:- SIA/BR/MIN/31524/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.55.** Sand Mining Project on Ganga River at Ramnagar Karari Kachhar Ghat, of District- Patna, Area - 23.5 Ha (File No. - SIA/1(a)/641/19). Online Proposal No.:- SIA/BR/MIN/31556/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.56.** Sand Mining Project on Ganga River at Dedour Ghat, of District- Patna, Area - 23 Ha (File No. - SIA/1(a)/646/19). Online Proposal No.:- SIA/BR/MIN/31520/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.57.** Sand Mining Project on Ganga River at Diara Malahi Ghat, of District- Patna, Area - 24.9 Ha (File No. - SIA/1(a)/647/19). Online Proposal No.:- SIA/BR/MIN/31544/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- E.58.** Sand Mining Project on Son River at Masaurha Ghat, of District- Patna, Area - 24.8 Ha (File No. - SIA/1(a)/648/19). Online Proposal No.:- SIA/BR/MIN/30890/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

The Proponent and Consultant presented the above mentioned proposals (E.45 to E.58) before the Committee. During presentation, the Project Proponent and Consultant informed that they have already completed monitoring (during December 2018 to February 2019) which may please be allowed. The SEAC felt that there is no objection in doing so, and as such the request is accepted. After due discussion and consideration the Committee decided that Term of Reference be granted to these proposals as Annexure - II.

Agenda Item No. F 59 to F 71 Applications for ToR

- F.59.** Sand Mining Project on Son River at Haripur and Sadashipur Ghat 1, of District- Bhojpur, Area - 5.87 Ha (File No. - SIA/1(a)/623/19). Online Proposal No.:- SIA/BR/MIN/31023/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 18th February, 2019.

- F.60.** Sand Mining Project on Son River at TV Senetorium Ghat, of District- Bhojpur, Area - 20 Ha (File No. - SIA/1(a)/629/19). Online Proposal No.:- SIA/BR/MIN/31509/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019

- F.61.** Sand Mining Project on Son River at Nonaur Ghat, of District- Bhojpur, Area - 24.5 Ha (File No. - SIA/1(a)/631/19). Online Proposal No.:- SIA/BR/MIN/31454/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.62.** Sand Mining Project on Son River at Khamkaranpur and Ahimanchak Ghat, of District- Bhojpur, Area - 24.4 Ha (File No. - SIA/1(a)/632/19). Online Proposal No.:- SIA/BR/MIN/31428/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.63.** Sand Mining Project on Son River at Chilhauns Ghat 1, of District- Bhojpur, Area - 24 Ha (File No. - SIA/1(a)/635/19). Online Proposal No.:- SIA/BR/MIN/31423/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.64.** Sand Mining Project on Son River at Fatehpur Ghat 1, of District- Bhojpur, Area - 20 Ha (File No. - SIA/1(a)/638/19). Online Proposal No.:- SIA/BR/MIN/31424/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.65.** Sand Mining Project on Son River at Lodipur Ghat, of District- Bhojpur, Area - 20 Ha (File No. - SIA/1(a)/639/19). Online Proposal No.:- SIA/BR/MIN/31472/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.66.** Sand Mining Project on Son River at Mehandaura Brahpur Ghat, of District- Bhojpur, Area - 24 Ha (File No. - SIA/1(a)/640/19). Online Proposal No.:- SIA/BR/MIN/31448/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.67.** Sand Mining Project on Son River at Naraynaganj Ghat, of District- Bhojpur, Area - 20 Ha (File No. - SIA/1(a)/642/19). Online Proposal No.:- SIA/BR/MIN/31445/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.68.** Sand Mining Project on Son River at Karbasin Nonaur Ghat, of District- Bhojpur, Area - 24.6 Ha (File No. - SIA/1(a)/643/19). Online Proposal No.:- SIA/BR/MIN/31437/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.69.** Sand Mining Project on Son River at Phulari Ghat, of District- Bhojpur, Area - 22 Ha (File No. - SIA/1(a)/644/19). Online Proposal No.:- SIA/BR/MIN/31469/2019).

Proponent :- Broad-Son Commodities Private Limited.

Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.70.** Sand Mining Project on Son River at Sarimpur Bachri Ghat, of District- Bhojpur, Area - 24 Ha (File No. - SIA/1(a)/645/19). Online Proposal No.:- SIA/BR/MIN/31456/2019).
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

- F.71.** Sand Mining Project on Son River at Baga Bhikhamchak Ghat, of District- Bhojpur, Area - 24.70 Ha (File No. - SIA/1(a)/649/19). Online Proposal No.:- SIA/BR/MIN/31397/2019).
Proponent :- Broad-Son Commodities Private Limited.
Consultant :- Ascenso Enviro Private Limited.

Application along with filled up 'Form - I', and Pre-feasibility Report in the prescribed format submitted to SEIAA, Bihar on 21st February, 2019.

The Proponent and Consultant presented the above mentioned proposals (F.59 to F.71) before the Committee. During presentation, the Project Proponent and Consultant informed that they have already completed monitoring (during December 2018 to February 2019) which may please be allowed. The SEAC felt that there is no objection in doing so, and as such the request is accepted. After due discussion and consideration the Committee decided that Term of Reference be granted to these proposals as Annexure - II.



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


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

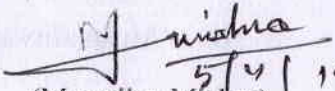
Sd/-
(Dr. Amar Nath Verma)
(Member, SEAC)

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

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

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

 5/4/19
(Alok Kumar)
Member Secretary, SEAC

 5/4/19
(Murarijee Mishra)
Chairman, SEAC

Annexure - I

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 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 from 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 Continuous 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 120° each), 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, 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. Mist spraying system for dust suppression in the campus.



III. Water quality monitoring and preservation

1. The project proponent shall install 24x7 continuous effluent monitoring system 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 from 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. (Case to case basis small plants; Manual; large plants; Continuous)
2. 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.
3. 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, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4. Adhere to 'Zero Liquid Discharge'.
5. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
6. 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.
7. Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface runoff
8. The project proponent shall practice rainwater harvesting to maximum possible extent.



9. The project proponent shall make efforts to minimise 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 Officer 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.
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. Plantation of (minimum 5 feet tall plants) must be planted in this rainy season i.e. (year 2019). 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 programme 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

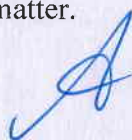
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.NO. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. 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 party 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.



X. 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. 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.

8. Submit the proposal/scheme regarding environment related awareness (eg. Hoardings etc).
8. The project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.
9. 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.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.
11. 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.
12. The SEIAA, Bihar may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The SEIAA, Bihar reserves the right to stipulate additional conditions If found necessary. The Company in a time bound manner shall implement these conditions.
14. 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.
15. 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.



16. 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 - II

1. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
2. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
3. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
4. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
5. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
6. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.

7. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
8. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
9. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
10. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
11. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
12. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
13. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
14. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

15. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
16. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger / Elephant Reserves / (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
17. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
18. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
19. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects

falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).

20. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
21. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.
22. Air quality modeling should be carried out using AERMOD model (v18081) for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mined sand besides the material handling. The details of the model used, and input parameters used for modeling should be provided along with the softcopies inventory calculation, model input, output and meteorological data files. The air quality contours should be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and



the habitation. The wind roses showing pre-dominant wind direction should also be indicated on the isopleth.

23. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
24. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
25. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
26. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
27. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
28. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
29. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
30. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on

commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
32. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
33. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
36. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
38. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
41. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
42. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
43. Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report.
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC / NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.

- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with then revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

