STATE EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR

Ref. No- 105 **Patna- 23, Date-** 06.05.19

To,

1. Shri Murarijee Mishra
   Vijay Nagar, Near Temple,
   Rukunpura, Patna - 800014.

2. Dr. Amar Nath Verma,
   10192 ATS Advantage, Ahinsha Khand - 1,
   Near Habitat Centre, Indirapuram,
   Ghaziabad - 201014.

3. Dr. Shardendu,
   Professor,
   Department of Botany,
   Patna Science College, Patna.

4. Dr. Birendra Prasad.
   Professor,
   Department of Botany,
   Patna University,
   Patna - 800 005

5. Dr. Sudhanshu Kumar.
   C - 3 /1401, Puri Pranayama
   Sector 82 and 85,
   Faridabad - 121 007 (Haryana)

6. Dr. Rakesh Kumar Singh,
   G - 600, 12th Street, GAMA - II,
   Greater Noida (UP) - 201 310.

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

Sub :- Proceedings of meeting of State level Expert Appraisal Committee held on 25.04.2019 & 26.04.2019.

Sir,

Please find enclosed herewith proceedings of the State Expert Appraisal Committee (SEAC) meeting held on 25th & 26th April, 2019.

Yours sincerely,

6/5/19

(Alok Kumar)
Member Secretary
SEAC, Bihar

Proceedings of the State Expert Appraisal Committee (SEAC) meeting dated 25th and 26th April, 2019 -

A meeting of SEAC was held in the meeting hall of SEIAA, Bihar, Patna on - 25th and 26th April, 2019 presided over by the Chairman, SEAC. The following members of the Committee were present in the meeting:

1. Dr. Amar NathVerma,
2. Dr. Shardendu,
3. Dr. Birendra Prasad,
4. Dr. Sudhanshu Kumar,
5. Dr, Rakesh Kumar Singh,
6. Dr. Dilip Kumar Paul,
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. Kamper Concast Ltd. (Expansion Project), Village:- Mahadeopur Phulari, Tehsil:- Bihta, District:- Patna, State:- Bihar, Existing Capacity:- MS Ingot :- 29,600 MT/Annum Proposed :- MS Ingot:- 53,600 MT/ Annum, Total Capacity:- MS Ingot:- 83,200 MT/Annum. **(Proposal No. - SIA/3(a)/532/18). Online Proposal No.:- SIA/BR/IND/26138/2018).**

Proponent :- M/s Kamper Concast Ltd.

Consultant :- Paramarsh (Servicing Environment and Development)

Application along with filled up 'Form - I' and Pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 11th June, 2018 for obtaining Terms of Reference (ToR). SEIAA, Bihar issued ToR Vide F. No. SIA/3(a)/532/18, dated

05.09.2018 and public hearing for the proposed project was conducted by Bihar State Pollution Control Board on 02.02.2019. Final EIA report was submitted by Project Proponent in the prescribed format to SEIAA, Bihar on 08.04.2019 for obtaining Environmental Clarence (EC).

The Proponent and consultant presented their proposal before the Committee. After due consideration and discussion the Committee decided to recommend the proposal for Environmental Clearance as Annexure - I.

The Committee noted that the industrial unit is situated near a very busy highway where air pollution due to dust is a huge problem. The CER proposal was amended in the light of above and it was decided that a stretch of 1 km length of the highway each on both sides of main entry gate shall be sprinkled with water atleast twice a day or more as per requirement to ensure dust suppression on highway. It was informed that there is another industrial unit named Balajee Mini Steel and Re-Rolling Pvt. Ltd. just adjacent to the relevant industrial unit. This unit (viz, Balajee Mini Steel and Re-Rolling Pvt. Ltd.) has been granted Environmental Clearance by SEIAA, Bihar vide F.No.- SIA/3(a)/429/17 dated 24.08.2019. It is decided to issue an additional condition to them which will be as follows-

"M/s Balajee Mini Steel and Re-Rolling Pvt. Ltd. shall also contribute in the matter of water sprinkling on the highway 1 km on each side of the their main entry gate. Both the industrial units shall prepare a Scheme of dust suppression by water sprinkling on highway" and submit it to SEIAA, Bihar with a copy to Bihar State Pollution Control Board, Patna.

- **River Sand Mining Proposal**

A broad discussion on legal status of river sand mining proposals / blocks was undertaken by the Committee. It was noted that the Mining proposals are being submitted on the basis of Letter of Intent (LoI) issued by Mines and Geology deptt., Govt. of Bihar. The LoI pertains to grant of mining rights in favour of proponent which is for whole district or a group of more than one district. In certain proposals the work orders issued before 2016 have been made basis of application.

It is felt that each mining blocks should be covered by a mining lease granted in favour of the proponent as per schedule of EIA Notification 2006 listed as category 1 (a). It is therefore decided that the project proponent shall endeavour to procure a lease / an assurance by the Deptt. of Mines and Geology, Govt. of Bihar to enter into a separate lease mining block wise before the grant of working permit to the proponent. A copy of such lease shall be submitted to SEIAA, Bihar by the proponent before commissioning of mining operation. This will apply to all proposals of river bed mining in respect of which the ToRs have been granted earlier (vide Ref. No. 71, dated 11.03.2019 and Ref. No. 84, dated 10.04.2019). It was further decided that a letter communicating the above said decision of the SEAC (in the matter of granting separate lease mining block / proposals wise) shall be sent to Deptt. of Mines and Geology, Govt. of Bihar by the SEIAA, Bihar.

Agenda Item no. B.2 to B.9

B.2. 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.3. 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.4. 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.5. 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.6. 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.7. 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.

B.8. 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.9. 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.

Earlier, in the meeting dated-29/30 March 2019 the Committee had directed the project proponent to submit revised plan and documents as mentioned in the proceeding of that meeting. The Proponent and Consultant presented the above mentioned proposals (B.2 to B.9) 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

<u>Agenda Item no. C.10 to C.18</u>

C.10. Sand Mining Project on Bhuthi River at Nawada and Bajitpur Ghat of District-Jehanabad, State- Bihar, Area - 5.50 Ha (**Proposal No. - SIA/1(a)/665/19) Online Proposal No.:- SIA/BR/MIN/31636/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.11. Sand Mining Project on Falgu River at Kewla and Parawan Ghat of District- Jehanabad, State- Bihar, Area - 18.50 Ha (**Proposal No. - SIA/1(a)/666/19) Online Proposal No.:- SIA/BR/MIN/31640/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.12. Sand Mining Project on Falgu River at Dongra and Lodipur Ghat of District- Jehanabad, State- Bihar, Area - 16.0 Ha (**Proposal No. - SIA/1(a)/668/19) Online Proposal No.:- SIA/BR/MIN/31628/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.13. Sand Mining Project on Falgu River at Tisaur and Rustampur Ghat of District- Jehanabad, State- Bihar, Area - 13.50 Ha (**Proposal No. - SIA/1(a)/669/19) Online Proposal No.:- SIA/BR/MIN/31653/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.14. Sand Mining Project on Falgu (Bhuthi) River at Okari Ghat of District- Jehanabad, State- Bihar, Area - 5.60 Ha (**Proposal No. - SIA/1(a)/667/19) Online Proposal No.:- SIA/BR/MIN/31650/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.15. Sand Mining Project on Falgu (Bhuthi) River at Barachhi Bigha Ghat of District- Jehanabad, State- Bihar, Area - 12.70 Ha **(Proposal No. - SIA/1(a)/670/19) Online Proposal No.:- SIA/BR/MIN/31670/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.16. Sand Mining Project on Falgu (Bhuthi) River at Math Ghat of District- Jehanabad, State- Bihar, Area - 6.0 Ha **(Proposal No. - SIA/1(a)/671/19) Online Proposal No.:- SIA/BR/MIN/31685/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.17. Sand Mining Project on Dardha River at Kanchnawa Ghat 1 of District- Jehanabad, State- Bihar, Area - 13.50 Ha **(Proposal No. - SIA/1(a)/672/19) Online Proposal No.:- SIA/BR/MIN/31633/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

C.18. Sand Mining Project on Dardha River at Kanchnawa Ghat of District- Jehanabad, State- Bihar, Area - 8.50 Ha **(Proposal No. - SIA/1(a)/673/19) Online Proposal No.:- SIA/BR/MIN/31644/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

The Proponent and Consultant presented the above mentioned proposals (C.10 to C.18) before the Committee. During presentation, the Project Proponent and Consultant informed that they have already started monitoring since March, 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

Agenda Item no. D.19 to D.24

D.19. Stone Mining project at Sheikhpura, Village:- Chakandara / Barari, Block:- Chewra, District:- Sheikhpura, State:- Bihar, Area - 5.06 Ha **(Proposal No. - SIA/1(a)/526/18). Online Proposal No.:- SIA/BR/MIN/31157/2019).**

Proponent :- M/s Natraj Iron & Casting Pvt. Ltd.

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 22th February, 2019.

D.20. Stone Mining project at Sheikhpura, Village:- Barari, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar, Area - 5.06 Ha **(Proposal No. - SIA/1(a)/527/18). Online Proposal No.:- SIA/BR/MIN/31188/2019).**

Proponent :- M/s Natraj Engineers Pvt. Ltd.

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 22th February, 2019.

D.21. Matokhar Stone Mining project at Village:- Matokhar, Taluka:- Sheikhpura, District:- Sheikhpura, State:- Bihar, Area - 5.06 Ha (**Proposal No. - SIA/1(a)/528/18). Online Proposal No.:- SIA/BR/MIN/32235/2019).**

Proponent :- M/s Shristi Developers 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 15th March, 2019.

D.22. Stone Mining project (Block No. - 29) at Village:- Chandi, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar, Area - 5.05 Ha (**Proposal No. - SIA/1(a)/529/18). Online Proposal No.:- SIA/BR/MIN/32190/2019).**

Proponent :- M/s Raja Kumar Singh Raja Construction 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 26th March, 2019.

D.23. Stone Mining project (Block No. - 28) at Village:- Chandi, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar, Area - 5.06 Ha (**Proposal No. - SIA/1(a)/530/18). Online Proposal No.:- SIA/BR/MIN/32157/2019).**

Proponent :- Shri Ravishankar Kumar.

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 15th March, 2019.

D.24. Stone Mining project (Block No. - 21 and 22) at Village:- Barui Pachna and Pachna, Tehsil:- Sheikhpura, District:- Sheikhpura, State:- Bihar, Area - 6.88 Ha (**Proposal No. - SIA/1(a)/537/18). Online Proposal No.:- SIA/BR/MIN/32207/2019).**

Proponent :- M/s Prince Construction.

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 19th March, 2019.

The Project Proponent and Consultant presented the above mentioned proposals (D.19 to D.24) before the Committee. These proposals had already been appraised by the Committee earlier, 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 started monitoring since March,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 Terms of Reference be granted with Specific Condition that project proponent shall undertake cumulative impact study and include it as a separate chapter in EIA report regarding ambient air quality due to mining and transportation as Annexure - III.

Agenda Item no. 25

E.25. Stone Mining project at Village:- Madurna, Thana:- Bhabua, District:- Kaimur, State:- Bihar **(Proposal No. - SIA/1(a)/535/18). Online Proposal No.:- SIA/BR/MIN/30809/2019).**

Proponent :- M/s Starnet Marketing Pvt. Ltd.

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 12th February, 2019.

The proposal was considered in the meeting of the SEAC on 26.02.2019 for ToR. The MoM of the said SEAC meeting was circulated vide ref. no. 71, dated 11.03.2019 of which a copy was sent by email to the Project Proponent.

Vide SEIAA MoM dated 28.03.2019 (Ref. No. 83, dated 03.04.2019) it was brought to the notice of the SEAC (dated 25.04.2019) that the proposal be reconsidered in the light of its physical situation vis-a-vis Kaimur Wildlife Sanctuary.

The Project Proponent (via their consultant) submitted an application for having provided inadequate information in the matter with the original proposal for ToR. They

have submitted that as a result of Hon'ble NGT order the Proposal so submitted originally attracted the provision of General Conditions as being situated within 5 km radius of Kaimur Wildlife Sanctuary and Eco Sensitive Zone notified therefor. They have apologized for their mistake of not bringing it on records earlier while calling it an inadvertent mistake. The Consultant submitted in the meeting and appealed to allow him to withdraw this proposal for submission to the MoEF&CC, GoI which was accepted. As such the ToR decided in the meeting dated 26.02.2019 stands withdrawn and cancelled.

Agenda Item no. 26

F.26. Proposed 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, **(Proposal No. - SIA/1(d)/607/19). Online Proposal No.:- SIA/BR/THE/29999/2018).**

Proponent :- M/s Shree Cement Ltd.

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

An application along with filled up 'Form - I', Form-IA and Conceptual Plan in the prescribed format was submitted to MoEF&CC on 06th February, 2018 for obtaining approved Term 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 Clarence (EC).

Earlier, in the meeting dated-9th Febuary 2019 the Committee had directed the project proponent to submit revised plan and documents as mentioned in the proceeding of that meeting. The Proponent and Consultant presented the proposals before the Committee. Proponent were earlier directed to submit softcopies of all documents relating to atmospheric dispersion modelling done for the projects mentioned above. The documents were to include INPUT and OUTPUT Files for all modelling scenarios, (a) Receptor file where elevated terrain used (b) meteorological data file in model, ready format used in the modeling, (c) Details of references used for calculation of emission.

The consultant failed to present desire softcopies of air dispersion modelling input/output data files during presentation. The EIA report submitted earlier contained several unscrupulous errors eg. Monitoring sampling location photographs same for different locations (EIA report page no. 90). EIA report (page no 80) mentioned apparently wrong information relating to micrometeorological data. The proponent and consultant were warned for such commission of error and ignorance and were directed to submit revised EIA Report.

Agenda Item no.G.27 to G.40

G.27. Sand Mining Project on Gandak River at Chandralaya Ghat 1 of District- Vaishali, State- Bihar, Area - 8.0 Ha **(Proposal No. - SIA/1(a)/651/19) Online Proposal No.:- SIA/BR/MIN/31800/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.28. Sand Mining Project on Gandak River at Rambagh Ghat 1 of District- Vaishali, State- Bihar, Area - 24.80 Ha **(Proposal No. - SIA/1(a)/653/19) Online Proposal No.:- SIA/BR/MIN/31761/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.29. Sand Mining Project on Gandak River at Ramchaura and Konhara Ghat of District- Vaishali, State- Bihar, Area - 22.50 Ha **(Proposal No. - SIA/1(a)/659/19) Online Proposal No.:- SIA/BR/MIN/31820/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.30. Sand Mining Project on Ganga River at Gop Ghat 1 of District- Vaishali, State- Bihar, Area - 23.80 Ha **(Proposal No. - SIA/1(a)/652/19) Online Proposal No.:- SIA/BR/MIN/31758/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.31. Sand Mining Project on Ganga River at Terahrasia Ghat 2 of District- Vaishali, State- Bihar, Area - 17.0 Ha **(Proposal No. - SIA/1(a)/654/19) Online Proposal No.:- SIA/BR/MIN/31779/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.32. Sand Mining Project on Ganga River at Terahrasia Ghat 1 of District- Vaishali, State- Bihar, Area - 24.0 Ha **(Proposal No. - SIA/1(a)/655/19) Online Proposal No.:- SIA/BR/MIN/31801/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.33. Sand Mining Project on Ganga River at Nawanagar Ghat of District- Vaishali, State- Bihar, Area - 22.0 Ha **(Proposal No. - SIA/1(a)/656/19) Online Proposal No.:- SIA/BR/MIN/31819/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.34. Sand Mining Project on Ganga River at Amer Ghat of District- Vaishali, State- Bihar, Area - 23.50 Ha **(Proposal No. - SIA/1(a)/657/19) Online Proposal No.:- SIA/BR/MIN/31754/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.35. Sand Mining Project on Ganga River at Damriahi Ghat of District- Vaishali, State- Bihar, Area - 10.0 Ha **(Proposal No. - SIA/1(a)/658/19) Online Proposal No.:- SIA/BR/MIN/31780/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.36. Sand Mining Project on Ganga River at Daudnagar and Bhairopur Ghat of District- Vaishali, State- Bihar, Area - 21.0 Ha **(Proposal No. - SIA/1(a)/660/19) Online Proposal No.:- SIA/BR/MIN/31770/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.37. Sand Mining Project on Ganga River at Sarifaganj Ghat of District- Vaishali, State- Bihar, Area - 22.70 Ha **(Proposal No. - SIA/1(a)/661/19) Online Proposal No.:- SIA/BR/MIN/31810/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.38. Sand Mining Project on Ganga River at Deshrajpur Ghat of District- Vaishali, State- Bihar, Area - 23.65 Ha **(Proposal No. - SIA/1(a)/662/19) Online Proposal No.:- SIA/BR/MIN/31773/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.39. Sand Mining Project on Ganga River at Khalsa Ghat of District- Vaishali, State- Bihar, Area - 22.60 Ha **(Proposal No. - SIA/1(a)/663/19) Online Proposal No.:- SIA/BR/MIN/31804/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

G.40. Sand Mining Project on Ganga River at Ganninath Ghat of District- Vaishali, State- Bihar, Area - 21.50 Ha (**Proposal No. - SIA/1(a)/664/19) Online Proposal No.:- SIA/BR/MIN/31776/2019).**

Proponent :- M/s Banshidhar Construction Pvt. Ltd.

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 11th March, 2019.

The Proponent and Consultant presented the above mentioned proposals (G.27 to G.40) before the Committee. During presentation, the Project Proponent and Consultant informed that they have already started monitoring since March, 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

Agenda Item no. H.41 to H.46

H.41. Sand Mining Project on Son River at Sonbarsa Makbulpur Alauddin Ghat of District- Arwal, State- Bihar, Area - 6.0 Ha (**Proposal No. - SIA/1(a)/674/19) Online Proposal No.:- SIA/BR/MIN/32593/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

H.42. Sand Mining Project on Son River at Baidrabad Ghat of District- Arwal, State- Bihar, Area - 24.8 Ha (**Proposal No. - SIA/1(a)/675/19) Online Proposal No.:- SIA/BR/MIN/32551/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

H.43. Sand Mining Project on Son River at Shahjahabad Ghat of District- Arwal, State- Bihar, Area - 24.0 Ha **(Proposal No. - SIA/1(a)/676/19) Online Proposal No.:- SIA/BR/MIN/32566/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

H.44. Sand Mining Project on Son River at Asiampur Dullah Ghat of District- Arwal, State- Bihar, Area - 15.0 Ha **(Proposal No. - SIA/1(a)/677/19) Online Proposal No.:- SIA/BR/MIN/32620/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

H.45. Sand Mining Project on Son River at Chhapra 4 Ghat of District- Arwal, State- Bihar, Area - 7.0 Ha **(Proposal No. SIA/1(a)/678/19) Online Proposal No.:- SIA/BR/MIN/32633/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

H.46. Sand Mining Project on Son River at Madan Singh ka Bigha Ghat 1 & 2 (cluster) Ghat of District- Arwal, State- Bihar, Area - 24.0 Ha (**Proposal No. - SIA/1(a)/679/19) Online Proposal No.:- SIA/BR/MIN/32540/2019).**

Proponent :- M/s Mor Mukut Marketing Pvt. Ltd.

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 13th March, 2019.

The Proponent and Consultant presented the above mentioned proposals (H.41 to H.46) before the Committee. During presentation, the Project Proponent and Consultant informed that they have already started monitoring since March, 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

Agenda Item no. I.47 to I.48

I.47. Sand Mining Project on Son River at Ekbalganj Nisarpura Ghat of District- Patna, State- Bihar, Area - 24.5 Ha (**File No. - SIA/1(a)/680/19). Online Proposal No.:- SIA/BR/MIN/31036/2019).**

Proponent :- M/s Broad-Son Commodities Pvt. Ltd.

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 19th March, 2019.

I.48. Sand Mining Project on Son River at Anandpur Mahui Ghat, of District- Patna, Area - 24.70 Ha (**File No. - SIA/1(a)/682/19). Online Proposal No.:- SIA/BR/MIN/30886/2019).**

Proponent :- M/s Broad-Son Commodities Pvt. Ltd.

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 25th March, 2019.

The Proponent and Consultant presented the above mentioned proposals (I.47 to I.48) 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

Agenda Item no.J.49

J.49. Sand Mining Project on Son River at Kandaul Saraiya Ghat of District- Bhojpur, State- Bihar, Area - 22.80 Ha **(File No. - SIA/1(a)/681/19). Online Proposal No.:- SIA/BR/MIN/31443/2019).**

Proponent :- M/s Broad-Son Commodities Pvt. Ltd.

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 25th March, 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 with Specific Condition that Project Proponent shall prepare cumulative EMP of respective river along which Mining blocks are situated (Annexure - II).

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)

6/5/19
(Alok Kumar)
Member Secretary, SEAC

6/5/2019
(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 drawal of ground water/from the competent authority concerned in case of drawal 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 form time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (protection) Act, 1986 or NABL accredited laboratories.

3. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions) within and outside the plant area (at least at four locations one within

and three outside the plant area at an angle of 120^0 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/SEIAA, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.

6. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.

8. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines Collected in the pollution control devices and vacuum cleaning devices in the process after briquetting / agglomeration.

9. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.

10. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.

11. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

13. Fixing water sprinklers in plant campus, and use water tanker for sprinkling water on approach road of the unit at least twice daily or as per requirement to minimize air pollution due to dust

14. Mist spraying system for dust suppression in the campus.

III. Water quality monitoring and preservation

1. The project proponent shall 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/SEIAA, 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 run-off in the event of heavy rains and to check the water pollution due to surface run off.

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 Office of the Ministry as a part of six-monthly compliance report.

2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB (A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.

2. Practice hot charging of slabs and billets/blooms as far as possible.

3. Ensure installation of regenerative type burners on all reheating furnaces.

4. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.

5. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

1. Used refractories shall be recycled as far as possible.

2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed dried, and briquetted and reused melting Furnaces.

3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office and SEIAA, Bihar.

4. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.

5. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

VII. Green Belt

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. Plants of minimum 5 feet tall 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 action plan for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

2. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.NO. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/forest/ wildlife norms/ conditions and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the SEIAA, Bihar as a part of six-monthly report.

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA, Bihar / Regional Office of MoEF&CC along with the Six Monthly Compliance Report.

5. Self-environmental audit shall be conducted annually. Every three years third 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. Entry inside the plant premises to all the workers/supervisor/Manager shall only be given after having all personal protective gears.
3. The Project Proponent shall maintain regularly the material balance and shall report and shown as and when asked for.
4. The copies of the environmental clearance shall be submitted by the project proponents to the heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
5. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The project proponent shall monitor the criteria pollutants level namely; PM2.5, PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
7. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
8. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board/SEIAA as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

9. The project proponent shall inform the Regional Office as well as the SEIAA/Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

11. The project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.

12. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during public Hearing and also that during their presentation to the State Expert Appraisal Committee.

13. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.

14. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

15. The SEIAA, Bihar may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

16. The SEIAA, Bihar reserves the right to stipulate additional conditions If found necessary. The Company in a time bound manner shall implement these conditions.

17. The Regional Office of this MoEF&CC/SEIAA shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.

18. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the public Liability Insurance Act, 1991 along with their amendments and Rules and any other

orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Low relating to the subject matter.

19. The EC shall remain valid for seven years from the date of its issuance.

20. 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. 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.

20. 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 PM_{10}, particularly for free silica, should be given.

21. The Project Proponent shall study cumulative EMP of respective river along which mining blocks are situated.

1. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area using US EAP AERMOD model. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used, and input parameters (including emission inventories) used for modeling should be provided/uploaded along with the softcopies of model input, output and meteorological files in a model compatible format so that the model can be run a SEAC. The air quality contours should be shown on a location map clearly indicating the location of the site, ambient air quality location, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction should also be indicated on the contour map (isopleth).

22. 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.

23. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

24. 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.

25. 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.

26. 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.

27. 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.

28. 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.

29. 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.

30. 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.

31. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

39. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

40. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

41. 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.

42. 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.

Annexure - III

2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.

3. 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.

4. 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).

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16. 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.

17. 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.

18. 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.

19. 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.

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 PM_{10}, particularly for free silica, should be given.

22. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area using US EAP AERMOD model. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used, and input parameters (including emission inventories) used for modeling should be provided/uploaded along with the softcopies of model input, output and meteorological files in a model compatible format so that the model can be run a SEAC. The air quality contours should be shown on a location map clearly indicating the location of the site, ambient air quality location, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction should also be indicated on the contour map (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.

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