

**STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR**

2<sup>nd</sup> Floor, BELTRON Bhawan, Shastri Nagar, Patna – 800023.

Ref. No. - **100**.

Patna Dated: - **11/03/2022**.

**MINUTES OF 07<sup>th</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE (SEAC). BIHAR CONSTITUTED ON 12.08.2021**

VENUE: SEIAA Office

DATE: 04<sup>th</sup> and 05<sup>th</sup> March, 2022

**Minutes/Proceeding of the Meeting**

- 1. Opening Remarks of the Chairman:** The Chairman and Members extended warm welcome with each other and other participants of the meeting. Thereafter, the meeting was opened to start proceeding as per the agenda adopted for this meeting.
- 2. Confirmation of Minutes of 06<sup>th</sup> Meeting (06/2022)** vide Ref. No. 38, dated 07.02.2022 **of State Expert Appraisal Committee held on 29<sup>th</sup> January, 2022.** The State Expert Appraisal Committee, hereinafter called the SEAC, was informed that no representation has been received regarding projects considered in meeting held on 29<sup>th</sup> January, 2022. Minutes of meeting of SEAC were confirmed.
- 3. Consideration of Proposals:** The SEAC considered proposals as per the agenda adopted for 07<sup>th</sup> meeting (07/2022) vide ref no. 73, 80 and 82 dated- 28.02.2022, 02.03.2022 and 03.03.2022 respectively. The key points of deliberations held were as follows.

**Consideration of Extension of EC Proposals**

**AGENDA ITEM NO. 1**

**Proposed Sand Mining Project at Raniyadih Ghat on Punpun River of District:-  
Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg.  
Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1883/2022, Proposal No: SIA/BR/MIN/257299/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 2**

**Proposed Sand Mining Project at Bahdurganj Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1882/2022, Proposal No: SIA/BR/MIN/257310/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 3**

**Proposed Sand Mining Project at Jarkha Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1885/2022, Proposal No: SIA/BR/MIN/257139/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 4**

**Proposed Sand Mining Project at Mahabalipur Ghat on Son River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1886/2022, Proposal No: SIA/BR/MIN/257119/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 5**

**Proposed Sand Mining Project at Mahuar Ghat on Son River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1887/2022, Proposal No: SIA/BR/MIN/257096/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 6**

**Proposed Sand Mining Project at Deodaha Ghat on Dhardha River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1859/2022, Proposal No: SIA/BR/MIN/255680/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 7**

**Proposed Sand Mining Project at Masarhi Ghat on Dhowa River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1858/2022, Proposal No: SIA/BR/MIN/255675/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 8**

**Proposed Sand Mining Project at Pabhera Ghat on Dhowa River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1857/2022, Proposal No: SIA/BR/MIN/255665/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 9**

**Proposed Sand Mining Project at Satparsa Ghat on Dhardha River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1856/2022, Proposal No: SIA/BR/MIN/255646/2022)**

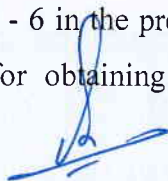
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 10**

**Proposed Sand Mining Project at Khania Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1876/2022, Proposal No: SIA/BR/MIN/258046/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 11**

**Proposed Sand Mining Project at Dumri Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1880/2022, Proposal No: SIA/BR/MIN/257987/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 12**

**Proposed Sand Mining Project at Chakiya Ghat (2.9 Ha) on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1884/2022, Proposal No: SIA/BR/MIN/257924/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 13**

**Proposed Sand Mining Project at Deoriya Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1877/2022, Proposal No: SIA/BR/MIN/257648/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.





**AGENDA ITEM NO. 14**

**Proposed Sand Mining Project at Sahora Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1878/2022, Proposal No: SIA/BR/MIN/257637/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 15**

**Proposed Sand Mining Project at Trikul Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1879/2022, Proposal No: SIA/BR/MIN/257626/2022)**

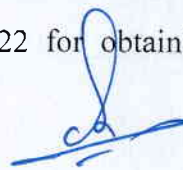
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 16**

**Proposed Sand Mining Project at Rupapur Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1881/2022, Proposal No: SIA/BR/MIN/257353/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 17**

**Proposed Sand Mining Project at Lakhnouri Ghat (20 Ha) on Chandan River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1869/2022, Proposal No: SIA/BR/MIN/256030/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 18**

**Proposed Sand Mining Project at Sarba Ghat on Cheer River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1868/2022, Proposal No: SIA/BR/MIN/255948/2022)**


Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 19**

**Proposed Sand Mining Project at Domohan Ghat (3.6 Ha) on Chandan River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1867/2022, Proposal No: SIA/BR/MIN/255939/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 20**

**Proposed Sand Mining Project at Panjwara Road Near Kachmachiya Ghat on Cheer River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1866/2022, Proposal No: SIA/BR/MIN/255930/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 21**

**Proposed Sand Mining Project at Laknouri Ghat (18 Ha) on Chandan River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1865/2022, Proposal No: SIA/BR/MIN/255922/2022)**

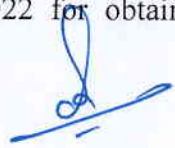
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 22**

**Proposed Sand Mining Project at Govindpur Ghat on Chandan River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1864/2022, Proposal No: SIA/BR/MIN/255901/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.





**AGENDA ITEM NO. 23**

**Proposed Sand Mining Project at Domohan Ghat (2.8 Ha) on Chandan River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1863/2022, Proposal No: SIA/BR/MIN/255845/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 24**

**Proposed Sand Mining Project at Sabalpur Ghat (2.3 Ha) on Sukhniya River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1862/2022, Proposal No: SIA/BR/MIN/255803/2022)**

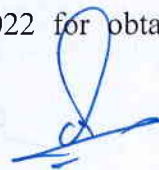
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 25**

**Proposed Sand Mining Project at Sabalpur Ghat (4.89 Ha) on Cheer River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1861/2022, Proposal No: SIA/BR/MIN/255788/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 26**

**Proposed Sand Mining Project at Pair Ghat on Cheer River of District:- Banka, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1860/2022, Proposal No: SIA/BR/MIN/255763/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 11<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 27**

**Proposed Sand Mining Project at Sadipur Ghat (2.8 Ha) on Falgu River of District:- Gaya, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1873/2022, Proposal No: SIA/BR/MIN/256194/2022)**

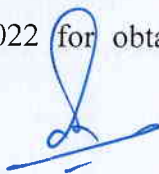
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 14<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 28**

**Proposed Sand Mining Project at Teneri Ghat on Falgu River of District:- Gaya, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1874/2022, Proposal No: SIA/BR/MIN/256199/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 14<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 29**

**Proposed Sand Mining Project at Bhito Sharit Ghat on Falgu River of District:- Gaya, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1872/2022, Proposal No: SIA/BR/MIN/256184/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 14<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 30**

**Proposed Sand Mining Project at Kenduai Ghat on Falgu River of District:- Gaya, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1871/2022, Proposal No: SIA/BR/MIN/256148/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 14<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 31**

**Proposed Sand Mining Project at Parewa Ghat on Falgu River of District:- Gaya, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1870/2022, Proposal No: SIA/BR/MIN/256127/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 14<sup>th</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 32**

**Proposed Sand Mining Project at Rampur Waina Ghat (4.8 Ha) on Son River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1890/2022, Proposal No: SIA/BR/MIN/256716/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 33**

**Proposed Sand Mining Project at Chapra Ghat on Son River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1892/2022, Proposal No: SIA/BR/MIN/256552/2022)**

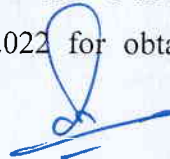
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 34**

**Proposed Sand Mining Project at Sohsa Ghat on Son River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1895/2022, Proposal No: SIA/BR/MIN/256736/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 35**

**Proposed Sand Mining Project at Chapra 02 Ghat on Son River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1893/2022, Proposal No: SIA/BR/MIN/256669/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 36**

**Proposed Sand Mining Project at Khaira Ghat on Punpun River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1894/2022, Proposal No: SIA/BR/MIN/256622/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 37**

**Proposed Sand Mining Project at Moglapur Ghat on Punpun River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1891/2022, Proposal No: SIA/BR/MIN/256586/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.





**AGENDA ITEM NO. 38**

**Proposed Sand Mining Project at Masadpur Ghat (4.70 Ha) on Son River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1897/2022, Proposal No: SIA/BR/MIN/256247/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 39**

**Proposed Sand Mining Project at Shonbhadra Ghat on Punpun River of District:- Arwal, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1896/2022, Proposal No: SIA/BR/MIN/256230/2022)**

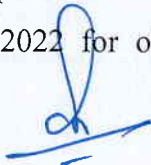
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 40**

**Proposed Sand Mining Project at Mahadev Ghat on Son River of District:- Rohtas, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1888/2022, Proposal No: SIA/BR/MIN/257776/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 41**

**Proposed Sand Mining Project at Dalmianagar Ghat on Son River of District:- Rohtas, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1889/2022, Proposal No: SIA/BR/MIN/257737/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 23<sup>rd</sup> February, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 44**

**Proposed Sand Mining Project at Andhary Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1898/2022, Proposal No: SIA/BR/MIN/258080/2022)**

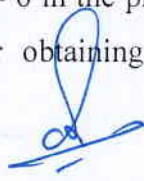
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 45**

**Proposed Sand Mining Project at Bihta Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1899/2022, Proposal No: SIA/BR/MIN/259106/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 46**

**Proposed Sand Mining Project at Kirkiri Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1900/2022, Proposal No: SIA/BR/MIN/259127/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 47**

**Proposed Sand Mining Project at Sandesh Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1901/2022, Proposal No: SIA/BR/MIN/259137/2022)**

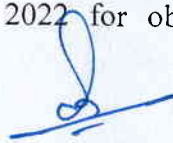
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 48**

**Proposed Sand Mining Project at Baruhi Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1902/2022, Proposal No: SIA/BR/MIN/259153/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 49**

**Proposed Sand Mining Project at Fathepur Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1903/2022, Proposal No: SIA/BR/MIN/259205/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 50**

**Proposed Sand Mining Project at Karbasin Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1904/2022, Proposal No: SIA/BR/MIN/259236/2022)**

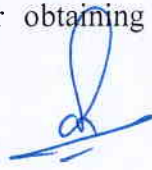
Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 51**

**Proposed Sand Mining Project at Peur Ghat on Son River of District:- Bhojpur, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1905/2022, Proposal No: SIA/BR/MIN/259250/2022)**

Application along with filled up Form - 6 in the prescribed format was submitted to SEIAA, Bihar on 03<sup>rd</sup> March, 2022 for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 52**

**Proposed Sand Mining Project at Garha Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1906/2022, Proposal No: SIA/BR/MIN/259310/2022)**

Application along with filled up Form - 6 in the prescribed format applied through parivesh portal but hard copy was not submitted to SEIAA, Bihar for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 53**

**Proposed Sand Mining Project at Pane Chak Ghat on Son River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1907/2022, Proposal No: SIA/BR/MIN/259343/2022)**

Application along with filled up Form - 6 in the prescribed format applied through parivesh portal but hard copy was not submitted to SEIAA, Bihar for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 54**

**Proposed Sand Mining Project at Nadpura Ghat on Dhardha River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

**(File No.: SIA/1(a)/Extension EC/1908/2022, Proposal No: SIA/BR/MIN/259438/2022)**

Application along with filled up Form - 6 in the prescribed format applied through parivesh portal but hard copy was not submitted to SEIAA, Bihar for obtaining Extension of Environmental Clearance.



**AGENDA ITEM NO. 55**

**Proposed Sand Mining Project at Bakua Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

(File No.: SIA/1(a)/Extension EC/1909/2022, Proposal No: SIA/BR/MIN/259480/2022)

Application along with filled up Form - 6 in the prescribed format applied through parivesh portal but hard copy was not submitted to SEIAA, Bihar for obtaining Extension of Environmental Clearance.

**AGENDA ITEM NO. 56**

**Proposed Sand Mining Project at Patringa Ghat on Punpun River of District:- Patna, State:- Bihar, by M/s Bihar State Mining Corporation Limited – Reg. Extension of Environmental Clearance.**

(File No.: SIA/1(a)/Extension EC/1910/2022, Proposal No: SIA/BR/MIN/259535/2022)

Application along with filled up Form - 6 in the prescribed format applied through parivesh portal but hard copy was not submitted to SEIAA, Bihar for obtaining Extension of Environmental Clearance.

The SEAC meeting started on time i.e. (11:00 AM), but the Project Proponent / Representative attended the said meeting at 01:15 PM namely Shri Rajesh Kumar Kushwaha (Mining Development Officer) and Md. Abudurajaki (Company Secretary). The Committee expressed displeasure for such type of insincere behavior of the proponent.

The above-mentioned Sand Mining proposals (Agenda Sl. No, 01 to 41 and 44 to 59) were considered by the Committee. The Committee discussed/examined the extension of validity of environmental clearance proposal of the sand mining leases. Based on the discussions/examination, the committee sought the following revised information from the Project Proponent: -

- 1) Submit and upload the desired time for extension of validity of environmental clearance with proper justification;
- 2) Submit and upload the valid lease documents;
- 3) Submit and upload the revised Pre-feasibility Report;

- 4) Submit and upload the approved Mine Plan;
- 5) Submit and upload the Replenishment Study Report of each proposal / Mining ghats;
- 6) Submit and upload past and present RL (Reference Level) for each sand mining ghats (lease site);
- 7) Submit and upload the last three year's total mined out quantity (mineral), ghat-wise;
- 8) Submit and upload the Consent to Establish (CTE) and Consent to Operate (CTO) approval letter for each sand ghats;
- 9) Submit and upload all total operative and non-operative sand mine ghats for each district;
- 10) Submit and upload KML file for ghat-wise / proposal-wise;

**Consideration of EC Proposal**

**AGENDA ITEM NO. 42**

**Proposed Passenger Ropeway Project at Pretshilla Hills at Village:- Channa, Tehsil:- Gaya, District Gaya, State:- Bihar, by M/S Bihar State Tourism Development Corporation Limited; (Total Area of ROW: 3,312 m<sup>2</sup>, Total ROU: 513 m<sup>2</sup>) – Reg. Environmental Clearance.**

**(File No.: SIA/7(g)/1875/2022, Proposal No.: SIA/BR/MIS/66586/2021).**

**Environment Consultant: - RITES Limited, Gurugram.**

Application along with filled up Form - I, Pre-Feasibility Report and Environment Management Plan in the prescribed format was submitted to SEIAA, Bihar on 17<sup>th</sup> February, 2022 for obtaining Environmental Clearance (EC).

The Project Proponent along with its environmental consultant RITES Limited, made a presentation on the key parameters and salient features of the project. Based on discussion, the Committee found their presentation and proposal satisfactory and acceptable, hence the Committee decided to recommend the proposed proposal for grant of Environmental Clearance subject to the following special conditions in addition to the standard conditions as **annexure 'I'**.

- 1) Rope-way system must be accompanied with rescue/evacuation system.
- 2) Develop green cover on both sides of the nearby approach roads.

**Consideration of ToR Proposal**

**AGENDA ITEM NO. 43**

**Proposed Stand-alone Grinding Unit with Cement Production Capacity of 6.0 Million TPA (Line I - 3.0 Million TPA and Line II - 3.0 Million TPA) and D.G. Set of 2000 KVA (Line I - 2 x 500 KVA and Line II - 2 x 500 KVA) at Villages: Mahwal, Baruraj and Narayanpur Kushahi, Block: Motipur, District: Muzaffarpur, Bihar by M/s. Dalmia Bharat Green Vision Limited (DBGVL), Total Production Capacity:- 6.0 Million TPA, – Reg. Terms of Reference.**

**(File No.: SIA/3(b)/1855/2022, Proposal No.: SIA/BR/IND/71432/2022).**

**Environment Consultant: - J.M. EnviroNet Pvt. Ltd.**

Application along with filled up Form - I, Pre-Feasibility Report and Environment Management Plan in the prescribed format was submitted to SEIAA, Bihar on 10<sup>th</sup> February, 2022 for obtaining Environmental Clearance (EC).

The Proponent presented the proposal before the Committee. The committee discussed the matter and decided to recommend the proposal to issue terms of reference (TOR) annexure -II with additional condition for the preparation of Environment Impact Assessment Report (EIA) of the project. The additional conditions are as follow: -

- a) Submit parking details for incoming and outgoing vehicles for transport of raw/finished products. Ensure no encroachment of common facilities / infrastructure created for local communities/public purpose;
- b) Submit details about green belt development plan including name and number of species planted;
- c) Submit the type of land with copy of khatiyani, land possession certificate and present land use pattern of proposed project site;
- d) Submit a Contour map of the proposed project site;
- e) Detailed report on alternative site analysis;
- f) Create a water body (pond) of suitable dimension within the campus of the proposed project;
- g) Detailed report of soil testing, profile, moisture, etc;
- h) Detailed report on birds, insects, mammals, flora and fauna with their conservation plan.





LIST OF PARTICIPANTS IN 07<sup>th</sup> MEETING OF SEAC, BIHAR HELD ON 04<sup>th</sup> &

05<sup>th</sup> MARCH 2022

S. No.	Name	Designation	Attendance on 04.03.2022	Attendance on 05.03.2022
1	Dr. Gopal Sharma	Chairman	Present	Present
2	Dr. Ramakar Jha	Member	Present	Present
3	Dr. Bibha Kumari	Member	Present	Present
4	Dr. Anshumali	Member	Present through video link.	Present through video link.
5	Dr. Aditya Mohanty	Member	Present through video link.	Present through video link.
6	Shri Mokhtarul Haque	Member	Absent	Present
7	Shri Ranjan Kumar	Member	Present	Present
8	Shri Ajit Samaiyar	Member	Present through video link.	Absent
9	Shri S. Chandrasekar	Member Secretary	Present	Present

Signature(s) of Members Present

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

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

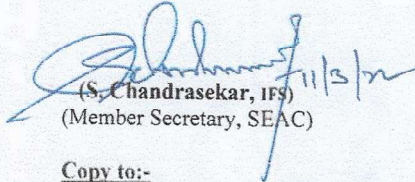
Sd/-  
(Mokhtarul Haque)  
(Member, SEAC)

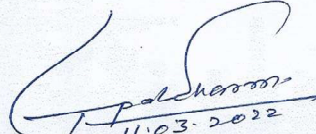
Sd/-  
(Ajit Samaiyar)  
(Member, SEAC)

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

Sd/-  
(Ranjan Kumar)  
(Member, SEAC)

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

  
(S. Chandrasekar, IRS)  
(Member Secretary, SEAC)

  
11.03.2022  
(Dr. Gopal Sharma)  
(Chairman, SEAC)

Copy to:-  
The Member Secretary, SEIAA, Bihar  
For information and necessary action.

## Annexure -I

### EC Conditions for Project/Activity 7(g) : Aerial ropeways

#### **I. Statutory compliance: -**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department; the implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. 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.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

#### **II. Air quality monitoring and preservation:-**

- i. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission) covering upwind and downwind directions.
- ii. Appropriate Air Pollution Control (APC) system (both during the construction and operation) shall be provided for all the dust generating points inter alia including loading, unloading, transfer points, fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection)



Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

- iv. Adequate parking shall be constructed at upper terminal and lower terminal. PP shall ensure smooth traffic management.

### **III. Water quality monitoring and preservation: -**

- i. Storm water from the project area shall be passed through settling chamber.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in event of heavy rains and to check the water pollution due to surface run off.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. Prior permission from competent authority shall be obtained for use of fresh water.
- v. No wastewater shall be discharged in open. Appropriate Water Pollution Control system shall be provided for treatment of waste water.
- vi. A certificate from the competent authority, in case of discharging treated effluent / untreated effluents into the Public sewer/ disposal / drainage systems along with the final disposal point should be obtained.

### **IV. Noise monitoring and prevention:-**

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

### **V. Energy Conservation measures :-**

- i. Energy conservation measures like installation of LED/CFLs/TFLSs for lighting should be integral part of the project design and should be in place before project commissioning.
- ii. Solar energy shall be used in the project i.e. at upper terminal and lower terminal to reduce the carbon footprint.

**VII. Water management :-**

- i. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- ii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iii. Any wastes from construction and demolition activities related thereto shall be managed so as strictly conform to the Construction and Demolition Rules, 2016.

**VIII. Public hearing and Human health/safety issues :-**

- i. Comply with the safety procedures, norms and guidelines (as applicable) as outlined in IS 5228, IS 5229 and IS 5230, code of practice for construction of aerial ropeways, Bureau of Indian Standards.
- ii. Maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition.
- iii. Ensuring that walking surfaces or boards at height are of sound construction and are provided with safety rails or belts.
- iv. The project should conform to the norms prescribed by the Director General Mine safety. Necessary clearances in this regard shall be obtained.
- v. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
- vi. Adequate first aid facility shall be provided during construction and operation phase of the project.
- vii. Regular safety inspection shall be carried out of the ropeways project and a copy of safety inspection report should be submitted to the Regional Office.
- viii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

**IX. Corporate Environment Responsibility :-**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.- 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding corporate Environment Responsibility.
- ii. 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 into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /conditions. The company shall have defined system of reporting



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

- iii. A separate Environmental Cell both at the project and company head quarter lever, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous :-**

- i. The project proponent shall prominently advertise it at least in tow local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. 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.
- iii. 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.
- iv. 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.
- v. The project proponent shall submit the environmental statement for each financially 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.
- vi. 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.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  - ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  - x. 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.
  - xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.
  - xiii. 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.
  - xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.



**Annexure -II**  
**Cement Grinding Unit (Dalmia Cement)**

**(A) Standard Terms of Reference:**

**(1) Executive Summary.**

**(2) Introduction:**

- i. Details of the EIA Consultant including NABET accreditation.
- ii. Information about the project proponent
- iii. Importance and benefits of the project

**(3) Project Description**

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. List of raw materials required and their source along with mode of transportation.
- iv. Other chemicals and materials required with quantities and storage capacities
- v. Details of Emission, effluents, hazardous waste generation and their management.
- vi. Requirement of water (Industry and residence), power, with source of supply, status of approval, water balance diagram, man power requirement (regular and contract)
- vii. Process description along with major equipment and machineries, process flow sheet(quantitative) from raw material to products to be provided
- viii. Hazard identification and details of proposed safety systems.

**(4) Site Details**

- i. Location of the project site covering village, Taluka/Tehsil, District and State,
- ii. Alternate site selection to justification present location.
- iii. A toposheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000/1:10,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. High resolution latest satellite imagery of project site
- vi. Layout maps of proposed unit indicating storage area, plant area, greenbelt area, utilities etc.
- vii. Photographs of the proposed plant site.

- viii. Landuse/ land cover map break-up of total land of the project site and surrounding areas (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. A list of major industries with name and type within study area (10km radius) shall be incorporate. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 100 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided.
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy.

**(5) Environmental Status:**

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall by installing onsite weather station for entire study period i.e. 12 weeks. Soft copy raw meteorological data downloaded from weather monitoring station must be submitted separately including geographical coordinate of weather monitoring location.
- ii. AAQ data (except monsoon) at 8 locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on the CPCB guidelines and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.



- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Geo-tagged photograph for each location and day shall be submitted for collection of baseline environmental data. The photograph must have imprint of date and time of photography.
- xii. Socio-economic status of the study area.
- xiii. Health survey with special reference to lung disease, asthma etc. shall be undertaken for sample population covering all age group residing within 10 km of project site. The report shall be annexed as a separate chapter in the EIA report

**(6) Impact and Environment Management Plan**

- i. Assessment of ground level concentration of pollutants from the point and non-point source based on site-specific meteorological features shall be predicted using suitable AQIP model. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. AQIP model shall be used - both with and without stack emission data of Barh STPP - to predict GLC of pollutants.
- ii. Water Quality monitoring and modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyer- cum-rail transport shall be examined.

- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control.
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e., land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**(7) Occupational health:**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry,



Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.

**(8) Corporate Environment Policy / Corporate Environmental Responsibility (CER):**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
  - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
  - iii. What is the hierarchical system or administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
  - iv. Does the company have 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. This reporting mechanism shall be detailed in the EIA report.
  - V. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
  - VI. Adequate funds (at least 2 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- (9)** Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- (10)** A tabular chart with index for point's wise compliance of above TOR.

(B) **Specific Terms of Reference:**

- (1) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
- (2) If the raw materials used have trace elements, an environment management plan shall also be included.
- (3) Plan for the implementation of the recommendations made for the cement grinding unit as per the CREP guidelines must be prepared.
- (4) Energy consumption per ton of clinker and cement grinding.
- (5) Arrangement for use of hazardous waste

