

### **Minutes of 555<sup>th</sup> SEAC-1 Meeting Dated 05/08/2021**

The 555<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 05/08/2021. Following members participated in the meeting:

- |    |                             |                          |
|----|-----------------------------|--------------------------|
| 1. | Shri Rajive Kumar,          | Chairman, SEAC-1         |
| 2. | Dr. Ajai Mishra,            | Member, SEAC-1           |
| 3. | Shri Om Prakash Srivastava, | Member, SEAC-1           |
| 4. | Dr. Brij Bihari Awasthi,    | Member, SEAC-1           |
| 5. | Shri Umesh Chandra Sharma,  | Member, SEAC-1           |
| 6. | Dr. Ratan Kar,              | Member, SEAC-1           |
| 7. | Director, Environment       | Member Secretary, SEAC-1 |

555<sup>th</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal officer, SEAC-1 placed the agenda items along with the available documents.

1. **Stone (Khanda, Gitti, Boulder) Mining at Gata No.669, Khand No.- 03, at Village- Khailar, Tehsil-Sadar, Jhansi. Area-2.023 ha. File No. 6205/Proposal No. SIA/UP/MIN/198739/2021**

#### **RESOLUTION AGAINST AGENDA NO-01**

The project proponent has made an online request to withdraw the case. Hence, the matter is closed and no further action is required at the end of SEAC. SEIAA is requested to accept the online request of the project proponent.

2. **Stone (Khanda, Gitti, Boulders & Red Morrum(Building Stone) Mining at Gata No.- 387, Khand No. 02, Village-Tooka, Tehsil-Rath, Hamirpur, Area-2.63 ha File No. 6231 Proposal No. SIA/UP/MIN/61243/2021**

The committee noted that the matter was earlier discussed in the 539<sup>th</sup> SEAC meeting Dated 13/4/2021 wherein, the committee deliberated that:-

“A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and observed that there is a geo-coordinates mismatch between the mining plan, lease map, and form-1 submitted by the project proponent. The committee directed the project proponent to submit corrected documents of the project. The matter shall be discussed after submission of online information on the prescribed portal.”

The project proponent submits corrected documents of the project vide letter dated 04/8/2021.

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Stone {Khanda, Gitti, Boulders & Red Morrum(Building Stone)} Mining at Gata No.- 387, Khand No. 02, Village-Tooka, Tehsil-Rath, Hamirpur, U.P. Shri Shri Sachin Agarwal S/o Late Shri Sudhakar Agarwal (Applied Area- 2.63 ha.)
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	Shri Sachin Agarwal S/o Late Shri Sudhakar Agarwal
2.	Full correspondence address of proponent and mobile no.	357 Muhal Mugalpuri, Tehsil: Rath, District: Hamirpur (U.P)

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3.	Name of Project	Khanda, Gitti, Boulder & Red Morrum (Building Stone) Mining Project"			
4.	Project location (Plot/Khasra/Gate No.)	Gata No – 387, Khand No.- 02			
5.	Name of Village	Tooka			
6.	Tehsil	Rath			
7.	District	Hamirpur (U.P)			
8.	Name of Minor Mineral	Khanda, Gitti, Boulder & Red Morrum(Building Stone)			
9.	Sanctioned Lease Area (in Ha.)	2.63 Ha			
10.	The altitude of the Area	The Highest Point at 171.0 mRL towards NW The Lowest Point at 161.0 mRL towards SW			
11.	Pillar Coordinates (Verified by DMO)	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>	
		A	25°36'4.48"N	79°29'55.66"E	
		B	25°36'6.16"N	79°29'55.78"E	
		C	25°36'6.51"N	79°29'56.08"E	
		D	25°36'6.23"N	79°29'56.70"E	
		E	25°36'5.02"N	79°29'58.28"E	
		F	25°36'5.91"N	79°29'59.99"E	
		G	25°36'1.89"N	79°30'4.77"E	
		H	25°36'1.82"N	79°30'1.48"E	
		I	<b>25°36'3.36"N</b>	79°30'0.96"E	
		J	25°36'2.36"N	79°30'0.65"E	
		K	25°36'0.12"N	79°29'59.93"E	
		L	25°35'59.17"N	79°29'58.15"E	
		M	25°35'59.37"N	79°29'57.83"E	
		N	25°36'3.08"N	79°29'56.84"E	
12.	Total Geological Reserves	7,33,776 m <sup>3</sup>			
13.	Total Mineable Reserves	3,43,860m <sup>3</sup>			
14.	Total Proposed Production (in five year)	1,31,500 m <sup>3</sup>			
15.	Proposed Production/year	26,300 m <sup>3</sup> per annum			
16.	Sanctioned Period of Mine lease	10 Years			
17.	Production of mine/day	101.15 m <sup>3</sup> /day (283.23 T/day)Bulk Density = 2.8			
18.	Method of Mining	Open Cast, Semi-mechanized			
19.	Drilling & Blasting	Yes (if Required)			
20.	No. of Working days	260 Days			
21.	Working hours/day	8 hours/day			
22.	No. of Workers	30 Manpower			
23.	No. of vehicles movement/day	28 Units (Assumed Loading Capacity: 10 Tonnes/Unit)			
24.	Type of Land	State Government Land			
25.	Ultimate Depth of Mining	18 m (171mRL – 153 mRL) (source: Approved Mining Plan)			
26.	The nearest metalled road from the site	The nearest Metalled Road is 530 m, East from the project site			
27.	Water Requirement	Source	Purpose	Detail	Avg. Demand/ Day
		Portable Tanker	Drinking & others@15lpcd/worker	30 workers x 15 lpcd =	0.45 KLD

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			450 lit/day	
		Plantation @5 Lit/plant	260 Trees x 5 lpcd = 1300 Lit/day	1.3 KLD
		Mine operation /others	-	1.0 KLD
		Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (530 m Length x 7m Width = 3710 m <sup>2</sup> ) x 1 lit/sq.m = 3710 lit x 2 (twice in a day) = 7420 lit/day	7.42 KLD
		Total		<b>10.17 KLD</b>
28	Name of QCI Accredited Consultant with QCI No and period of validity.	Globus Environment Engineering Services Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till Sept. 29/2021		
29	Any litigation pending against the project or hand in any court	No		
30	Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Hamirpur. Letter No. 1949/Khanij-MMC-30-Vividh/2020-21, Date - 24/12/2020		
31	Details of Lease Area in approved DSR	Page No. 25, Table No. 10, Sr. No. 5		
32	Total Proposed Project Cost	Rs. 79.28 Lakhs		
33	Proposed CER cost	Rs. 3.96 Lakhs (5% of the total Project Cost)		
34	Proposed EMP cost	Rs. 23 Lakhs		
35	Length and Width of Haul Road	Haulage Road Length 530 m & Haulage Road Width 7 m		
36	No. of Trees to be Planted	260 Trees		

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-02**

Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining committee discussed the matter and recommended to issue the terms of reference (ToR's) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR's:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site

**3. Sand/Morrum Mining from Ken River Bed at Gata No.-455, Village-Khapatihakalan, Tehsil-Pailani, Banda, M/s Om Prakash Ram Aoutar, Area 23.00 Ha File No. 5658 Proposal No.SIA/UP/MIN/53067/2020**

The committee noted that the matter was earlier discussed in the 528<sup>th</sup> SEAC meeting Dated 03/3/2021 wherein, the committee deliberated that:-

“A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. The committee directed to defer the matter due to incomplete information:

1. Salient features of the project with photo affidavit.
2. Project brief in presentation is to be revised.
3. In all the documents, the geo-coordinates of A9 to A12 has to be corrected and verified by competent authority.
4. TOR points 24 & 29 are to be revised.
5. Incremental value for baseline data should be provided.
6. Verified lease map in ammonia print.

The matter shall be discussed after submission of online information on the prescribed portal.”

The project proponent submitted corrected documents of the project vide letter dated 03/3/2021.

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. Environment Clearance for proposed River Bed sand/morrum mining having lease area - 23.00 ha (56.83 acres) along with River Ken in Gata No. 455 at Village –Khapatihakalan, Tehsil- Pailani, District- Banda, U. P of M/s Om Prakash Ram Aoutar. Prop. Smt. Renu Gupta
2. The terms of reference in the matter were issued by SEIAA, U.P. Ref. No.: 163/Parya/SEAC/5658/2019 Dated 30 June 2020. The public hearing was organized on 27.10.2020. Final EIA report submitted on 09.02.2021

**3. Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s Om Prakash Ram Aoutar, Prop. Smt. Renu Gupta
2.	Full correspondence address of proponent and mobile no.	Smt. Renu Gupta W/o Satya Prakash Gupta, R/o 123/346, H Block, Kidwai Nagar, District – Kanpur Nagar, U.P. E-mail ID - oprasand@gmail.com
3.	Name of Project	Environment Clearance for proposed River Bed sand/morrum mining having lease area - 23.00 ha (56.83 acres) along with River Ken in Gata No. 455 at Village – Khapatihakalan, Tehsil- Pailani, District- Banda, U. P of M/s Om Prakash Ram Aoutar.

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4.	Project Location (Plot./ Khasra/Gata No.)	River Ken in Gata No. 455																																																																								
5.	Name of River	Ken River																																																																								
6.	Name of Village	Khapatihia Kalan, Tehsil- Pailani, District- Banda, U. P																																																																								
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9.	Name of Minor Mineral	River Bed sand/morrum mining																																																																								
10.	Sanctioned Lease Area (in Ha.)	23.00 ha																																																																								
11.	Max. & Min mRL within lease area	The highest level is 97.35 mRL The lowest level is 88.55 mRL																																																																								
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17.	Sanctioned Period of Mine lease	5 years																																																																								
18.	Production of mine/day	1840 m <sup>3</sup> /day																																																																								
19.	Method of Mining	Mining will be carried out by bar scalping or skimming method and mining operation shall be mechanized (OTFM) using scrapers/EMM and chain/tyre mounted bulldozers for rescue & salvage (as per SSMG 2016 and NGT order passed in Gurpreet Singh Bagga vs MoEF & ors).																																																																								
20.	No. of working days	250																																																																								

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21.	Working hours/day	8
22.	No. of worker	80
23.	No. of vehicles movement/day	153
24.	Type of Land	Govt./Non Forest Land
25.	Ultimate of Depth of Mining	3.0 m ( For Mining Plan Period )
26.	The nearest metalled road from the site	1.0 km
27.	Water Requirement	PURPOSE
		Drinking - 0.80 KLD
		Suppression of dust - 12.0 KLD
		Plantation - 0.515 KLD
		Others (if any) - 0.00 KLD
		Total - 13.32 KLD
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 19/10/2021
29.	Any litigation pending against the project or land in any court	No
30.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No-520/khanij-30, Banda dated 15 Feb 2020
31.	Details of Lease Area in approved DSR	Serial no. 21 Page no. 02
32.	Project Cost	97.0 Lacs/annum
33.	Proposed CER cost	1.94 lacs/annum
34.	Proposed EMP cost	14.61
35.	Length and breadth of Haul Road	Length – 1.0 km. Breadth – 6.00 m
36.	No. of Trees to be Planted	515

4. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
5. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 & 3 to these minutes regarding the mining project. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
3. Environment management should be according to the environmental status and impact of the project.
4. The selection of plants for the green belt should be based on the pollution removal index.

5. No mining activity should be carried out in-stream channel as per SSMMG, 2016 (as amended thereof).
  6. Pakka motorable haul road to be maintained by the project proponent.
  7. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
  8. Permission from the competent authority regarding the evacuation route should be taken.
  9. The project proponent should ensure the survival of tree saplings. Mortality should be replaced from time to time.
  10. Site Pit photographs should be submitted with date, time, and point-coordinate within 15 days.
  11. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
  12. Provision for the cylinder to workers should be made for cooking.
  13. The capacity of trucks/tractors for loading purposes will be in tonnage as per Transport Department applicable norms and standard fixed by the Government.
  14. Provide suitable masks to the workers.
  15. Approach road kaccha is to be made motorable and tree saplings to be planted on both sides of the road.
  16. Indigenous plants should be planted according to CPCB guidelines and in consultation with the local Divisional Forest Officer.
  17. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
  18. Provision for two toilets and hand pumps should be made at the mining site.
  19. Drinking water for workers would be provided by tankers.
  20. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016 (as amended thereof).
  21. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
  22. The Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
  23. Health/Insurance cards, medical claims, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
  24. Measure for the conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activities in CER.
  25. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. A suitable measure should be taken and details to be provided to concerned Department.
  26. The width of the haul road shall be more than 6 meters.
  27. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/production levels shall be decreased/stopped accordingly till the replenishment is completed.
4. **Expansion of Mixed Land-use Bliss, District-Ghaziabad, U.P., Shri Abhishekh Jain, M/s MSS Infracon Pvt. Ltd. File No. 6327 Proposal No. SIA/UP/MIS/213883/2021**

**RESOLUTION AGAINST AGENDA NO-04**

The project proponent/consultant requested to defer the matter in the upcoming SEAC-1 meeting. The committee discussed and directed to defer the matter as per the request made by the project

proponent. The matter will be discussed only after an online request is received from the project proponent.

The committee also examined the file and documents and observed that it is the case of Expansion of Mixed Land-use Bliss, District-Ghaziabad, U.P. Hence, the committee deliberated that the Project proponent should be informed to Submit the Certified Compliance report before the presentation is made.

**5. Stone(Khanda, Boulder, Ballast&Gitti) at Arazi No.953, Khand No.03, Village- Daharra, Tehsil-Sadar, Mahoba., M/s Amar Singh &Maan Singh., Area-0.809 ha., File No. 6332 Proposal No. SIA/UP/MIN/ 63263/2021**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Stone(Khanda, Boulder, Ballast&Gitti) at Arazi No.953, Khand No.03, Village- Daharra, Tehsil-Sadar, Mahoba, U.P. M/s Amar Singh and Maan Singh Pahari Pattedharak, Proponent- Mr. Amar Singh S/o Mr. Rameshwar Singh (Applied Area- 0.809 Ha.).

**2. Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	<b>M/s Amar Singh and Maan Singh Pahari Pattedharak</b> Proponent- Mr. Amar Singh S/o Mr. Rameshwar Singh		
2. Full correspondence address of proponent and mobile no.	R/o- Near Jail Road, Bajrang Chowk, Gandhi Nagar, Mahoba Tehsil & District- Mahoba (U.P.)		
3. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
4. Project location (Plot/Khasra/Gata No.)	Arazi No. 953 (Khand No. – 03),		
5. Name of River	NA		
6. Name of Village	Daharra		
7. Tehsil	Sadar		
8. District	Mahoba (U.P.)		
9. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
10. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
11. Mineable Area (in Ha.)	0.581 Ha. (Safety Margin 0.228 Ha. )		
12. Zero level mRL	NA		
13. Max. & Min mRL within the lease area	Maximum & Minimum mRL is 192 & 180.10 mRL respectively.		
14. Pillar Coordinates (Verified by DMO)	<b>Pillar</b>	<b>Latitude(N)</b>	<b>Longitude(E)</b>
	A	25°19'35.91"N	79°58'42.76"E
	B	25°19'34.20"N	79°58'44.17"E
	C	25°19'31.65"N	79°58'39.98"E
	D	25°19'33.61"N	79°58'39.18"E
15. Total Geological Reserves	2,69,535 m <sup>3</sup>		
16. Sanction Quantity as per LOI	40,000 m <sup>3</sup> per year as per LOI		
17. Total Proposed Production (in five years)	2,00,000 m <sup>3</sup> in five year		
18. Proposed Production/year	40,000 m <sup>3</sup> per year		
19. Sanctioned Period of Mine lease	10 Years as per LOI		
20. Production of mine/day	133.33 m <sup>3</sup> /day		



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21. Method of Mining	Open cast, Mechanized	
22. No. of working days	300	
23. Working hours/day	8 hours/day	
24. No. Of workers	24	
25. No. Of vehicles movement/day	16-17 Vehicles movement/day	
26. Type of Land	Government Land(stony scrub)	
27. Ultimate Depth of Mining	6.0 m	
28. The nearest metalled road from the site	NH-76 is about 5.31 km towards the West direction from the project site.	
29. Water Requirement	<b>PURPOSE</b>	<b>REQUIREMENT (KLD)</b>
	Drinking water	0.34 KLD
	Dust suppression	5.28 KLD
	Plantation	0.4 KLD
	Others (if any)	-
	<b>Total</b>	<b>6.02 KLD (Approx. 6.0 KLD)</b>
30. Name of QCI Accredited Consultant with QCI No And the period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec 2022	
31. Any litigation pending against the project or land in any court	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7422/ MMC-30/2020-21 Date- 16/12/2020	
33. Details of Lease Area in approved DSR	Corrigendum Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021	
34. Proposed EMP cost	26,42,400/-	
35. Proposed Total Project cost	Rs. 82,00,000/-	
36. Length and breadth of Haul Road	220 m length and 6.0 m width	
37. No. of Trees to be Planted	400	

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-05**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:**

1. Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/3/19/54370 dated 20-7-2021 wherein, it is mentioned that ***“The mining plan is approved for a period of next twelve months from the date of execution of mining lease deed.”*** The ToR's / E.C. if granted shall be co- terminus with the approved mining plan.
2. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site

**6. Stone (Khanda, Boulder, Bailast&Gitti ) at Gata No.-515, Khand No.-09, at Village-Sirvo, Tehsil-Garautha, Jhansi., Shri Mahesh Kumar Gupta., Area-1.618 ha., File No. 6333 Proposal No. SIA/UP/MIN/ 63293/2021**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Stone (Khanda, Boulder, Bailast&Gitti ) at Gata No.-515, Khand No.-09, at Village-Sirvo, Tehsil-Garautha, Jhansi., Shri Mahesh Kumar Gupta., Area-1.618 ha.,

**2. Salient features of the project as submitted by the project proponent:**

1.	Agenda No. & Meeting Date	Sr. No. 06, SEAC-1, 555 <sup>th</sup> Meeting Dated- 05-08-2021																																						
2.	On-line proposal No.	SIA/UP/MIN/63293/2021																																						
3.	File no. allotted by SEIAA, UP	6333																																						
4.	Name of Proponent	Shri Mahesh Kumar Gupta S/o Shri Narayandas Gupta																																						
5.	Full correspondence address of proponent and mobile no.	R/o-Gram & post- Beejour, District: Tikamgarh, M. P.																																						
6.	Name of Project	Khandas-Boulder /Gitti-Ballast Mining Project																																						
7.	Name of River	None, within a 10 Km radius area of the mine site.																																						
8.	Project location (Plot/Khasra/Gata No.)	Gata No. – 515, Khand No.- 09, Area: 1.618 Ha., Village: Sirvo, Tehsil: Garautha, District: Jhansi (U.P.)																																						
9.	Name of Minor Mineral	Khandas-Boulder /Gitti-Ballast																																						
10	Schedule (as per EIA notification 2006)	1(a)i																																						
11	Category of Project	<div>B(1)<table><tr><th>S. No.</th><th>Village</th><th>Gata No.</th><th>Khand No.</th><th>Area (Ha)</th></tr><tr><td>1</td><td>Sirvo</td><td>515</td><td>-</td><td>2.023</td></tr><tr><td>2</td><td>Sirvo</td><td>515</td><td>-</td><td>2.023</td></tr><tr><td>3</td><td>Karanpura</td><td>98</td><td>-</td><td>2.023</td></tr><tr><td>4</td><td>Chandrapura-Sirvo</td><td>16,17 &amp; 515</td><td>-</td><td>1.214</td></tr><tr><td>5</td><td>Sirvo</td><td>515</td><td>-</td><td>1.618 (Proposed)</td></tr><tr><td colspan="2"></td><td colspan="3">Total Area= 8.901 Ha</td></tr></table><p>Since the total area exceeds 5Ha, therefore as per MoEF&amp;CC, GoI O.M. No. L-11011/175/2018-IA-II (M) Dated: 12/12/2018 if a cluster or an individual lease exceeds 5 Ha (Cluster Certificate attached as Annexure) the EIA/EMP be made applicable in the process of grant of prior Environmental Clearance.</p></div>				S. No.	Village	Gata No.	Khand No.	Area (Ha)	1	Sirvo	515	-	2.023	2	Sirvo	515	-	2.023	3	Karanpura	98	-	2.023	4	Chandrapura-Sirvo	16,17 & 515	-	1.214	5	Sirvo	515	-	1.618 (Proposed)			Total Area= 8.901 Ha		
S. No.	Village	Gata No.	Khand No.	Area (Ha)																																				
1	Sirvo	515	-	2.023																																				
2	Sirvo	515	-	2.023																																				
3	Karanpura	98	-	2.023																																				
4	Chandrapura-Sirvo	16,17 & 515	-	1.214																																				
5	Sirvo	515	-	1.618 (Proposed)																																				
		Total Area= 8.901 Ha																																						
12	Sanctioned Lease Area (in Ha.)	Total Lease Area: 1.618 Ha																																						
13	Mineable/Workable Area (in Ha.)	1.618 Ha																																						
14	Project Status	New Mine, District Magistrate has given consent vide letter No. 1940/30एम. एम. सी/2020-21, Dated 19/01/2020, Mining Lease area granted for a maximum of 20 years having production capacity of 48,540 m3/annum.																																						
15	Pillar Coordinates (Verified by DMO)	Pillars		Latitude(N)	Longitude(E)																																			
		A		25°34'10.84"N	79°13'26.60"E																																			

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		B	25°34'9.50"N	79°13'24.54"E
		C	25°34'3.60"N	79°13'29.30"E
		D	25°34'4.90"N	79°13'31.47"E
		Toposheet No: 54O/2 & 54O/6		
16	Max. & Min mRL within lease area	Highest Point: 228.0 mRL, Lowest Point: 196.0 mRL		
17	Total Geological Reserves	12,89,297 m <sup>3</sup>		
18	Total Mineable Reserves ( in approved mining plan)	4,02,951 m <sup>3</sup>		
19	Proposed Production/year	48,540 m <sup>3</sup> per annum		
20	Sanctioned Period of Mine lease	20 years		
21	Production of mine/day	186.69 m <sup>3</sup> /day		
22	Method of Mining	Method	Technology	Tools/ Machines
		Manual mining with drilling and blasting	Opencast, semi-mechanized (Other than fully mechanized )	Jack hammer drill rods, Blasting material
23	No. of Working days	260 Days		
24	Working hours/day	8 hours/day		
25	No. of Workers	35 Manpower		
26	No. of vehicles movement/day	52 Units (Assumed Loading Capacity: 10 m <sup>3</sup> /Unit)		
27	Type of Land	State Government Land		
28	Ultimate Depth of Mining	36 m (228mRL – 192 mRL) (source: Approved Mining Plan		
29	The nearest metalled road from the site	SH-42, 350m, SSW		
30	Water Requirement	Source	Purpose	Avg. Demand /Day(in KLD)
		Portable Tanker	Drinking @15 lpcd/worker	35 workers x 15lpcd = 525lit/day
			Land reclamation/plantation @2.5 Lit/Tree	300Trees x5lpcd) = 1500 Lit/day
			Mine operation/others	-
			Dust suppression twice a day (Haulage Road Area) @2 Lit/Sq.m	Haul Road Area = (350m Length x 7m Width = 2450m <sup>2</sup> ) x 1 lit/sq.m = 2450 litx 2(Twice per day) = 4900 lit/day
		Total		
				7.925 KLD
31	Name of QCI Accredited	Globus Environment Engineering Services		

	Consultant with QCI No. and period of validity.	Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till September 29/2021
32	Any litigation pending against the project or hand in any court	No
33	Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi Letter No. 2576/30एम. एम. सी/2020-21, Date - 31/03/2021.
34	Details of Lease Area in approved DSR	Sr No. 10, Letter No. 184/एम० 228/2017 (खनन नीति)- डी०एस०आर०, दिनांक 01-07-2021
35	Total Cost of Project	Rs. 75.85 Lakhs
36	Proposed CER Cost	Rs. 3.79 Lakhs (5% of the total Project Cost)
37	Proposed EMP Cost	Rs. 16.75 Lakhs
38	Length and breadth of Haul Road	Length 350 m & Width 7 m
39	No. of Trees to be Planted	300 Trees

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-06**

**Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:**

1. Mining Plan approval letter issued by DGM, U.P. Vide letter no. 2021/4/12/55896 dated 03-06-2021 wherein, it is mentioned that “*The height of the bench should be maximum 1 meter and width should be minimum 10 meters. Mining will be done up to a maximum depth of 3 meters or till the water level whichever is less. Mining will be done from 0 level upward*”. However, there is a discrepancy in the depth of mines in the mining plan. Proper clarification regarding the above should be submitted during the EIA presentation.
  2. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
- 7. Stone (Khanda, Boulder, Bailast&Gitti) Mine at Gata No.-1076, Khand No.- 03, at Village-Makarbai, Tehsil-Sadar, Mahoba., Area-2.894 ha. File No. 6098 Proposal No. SIA/UP/MIN/190759/2020**

The committee noted that the matter was earlier discussed in the 521<sup>st</sup> SEAC meeting Dated 12/01/2021 wherein, the committee deliberated that:-

“A presentation was made by the project proponent along with their consultant M/s Environmental and Research Analysis. The committee discussed the matter and directed the project proponent to submit revised DSR (as khasra no. is not mentioned in DSR) and period/life of mine as per LOI. The matter will be discussed after submission of online information on prescribed portal.”

The project proponent submits corrected documents of the project vide letter dated 02/8/2021.

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A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought Stone (Khanda, Boulder, Bailast&Gitti) Mine at Gata No.- 1076, Khand No.- 03, at Village- Makarbai, Tehsil-Sadar, Mahoba, U.P. M/s Royal Natural Stones Pvt. Ltd. (Applied Area- 2.894 ha.)

2. Salient features of the project as submitted by the project proponent:

1. Name of Proponent		M/s Royal Natural Stones Pvt. Ltd.		
2. Full correspondence address of proponent and mobile no.		Director Shri Yashraj Jadon S/o Shri Virendra Singh Jadon R/o- E-07, M-708 Arera Colony, Bhopal (M.P.) Partner- Director Shri Naval Kishore Gupta S/o Shree Murari Lal R/o- C-11 to C-16, Stone Park, Purani Chawani, Gwalior (M.P.)		
3. Name of Project		Building Stone, Khanda, Boulder, Ballast (Gitty) Mine		
4. Project location (Plot/Khasra/Gata No.)		Gata No. 1076, Khand No.- 03		
5. Name of River		NA		
6. Name of Village		Makarbai		
7. Tehsil		Sadar		
8. District		Mahoba (U.P.)		
9. Name of Minor Mineral		Building Stone, Khanda, Boulder, Ballast (Gitty) Mine		
10. Sanctioned Lease Area (in Ha.)		2.894 Ha.		
11. Mineable Area (in Ha.)		2.478 Ha. (safety 0.416 Ha)		
12. Zero level mRL		NA		
13. Max. & Min mRL within lease area		Max. & Min mRL is 197.50 mRL and 172.80 mRL respectively		
14. Pillar Coordinates (Verified by DMO)		Point	Latitude(N)	Longitude(E)
		A	25° 20' 19.039"	79° 59' 43.375"
		B	25° 20' 16.962"	79° 59' 47.816"
		C	25° 20' 13.714"	79° 59' 47.536"
		D	25° 20' 10.964"	79° 59' 47.866"
		E	25° 20' 12.261"	79° 59' 44.740"
		F	25° 20' 13.304"	79° 59' 41.116"
		G	25° 20' 15.532"	79° 59' 41.754"
		H	25° 20' 17.663"	79° 59' 43.292"
15. Total Geological Reserves		11,11,383 m3		
16. Sanctioned Quantity as per LOI		1,15,760 m3 per year		
17. Total Proposed Production (in five year)		5,78,800 m3 in 5 years		
18. Proposed Production/year		1,15,760 m3 per year		
19. Sanctioned Period of Mine lease		10 Year		
20. Production of mine/day		385.86 m3 /day		
21. Method of Mining		Open cast, Manual, Semi-Mechanized		
22. No. of working days		300		
23. Working hours/day		8 hours/day		
24. No. Of workers		Approximately 35 workers		
25. No. Of vehicles movement/day		Approximately 32-35 movements per day. (Vehicles such as Truck dumper/tipper, Tractor Trolleys, etc. will be in use)		
26. Type of Land		Government Land (rocky Barren)		

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27. Ultimate Depth of Mining	6 m	
28. The nearest metalled road from the site	NH-76 at 4.31 km towards W direction from the project site.	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.60 KLD
	Suppression of dust	3.72 KLD
	Plantation	0.10 KLD
	Others (if any)	-
	Total	4.42 KLD (4.50 KLD approx.)
30. Name of QCI Accredited Consultant with QCI No And the period of validity.	M/s Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 December 2022	
31. Any litigation pending against the project or land in any court	NO	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 5345/M.M.C-30/2020-21, on Dated 28/09/2020	
33. Details of Lease Area in approved DSR	Amendment letter (154/MMC-30Khanij(2021-22) dated 12/05/2021 of DSR Page No- 3 Sr. No - 58	
34. Proposed EMP cost	Rs 16,38,600/-	
35. Proposed Total Project cost	Rs. 90,00,000/-	
36. Length and breadth of Haul Road	310 m length and 6 m width	
37. No. of Trees to be Planted	100	

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-07**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-4 to the minutes. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
3. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
4. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
5. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.

7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
  8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
  9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
  10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
  11. The project proponent should explore the possibilities of rainwater harvesting.
8. **Stone (Sand Stone) Mine at Khasara No.-346 at Village- Ummaniya, Tehsil- Rath, Hamirpur, U.P., Area -0.506 ha File No. 6200 Proposal No.SIA/UP/MIN/198495/2021**

**RESOLUTION AGAINST AGENDA NO-08**

The project proponent/consultant requested to defer the matter in the upcoming SEAC-1 meeting. The committee discussed and directed to defer the matter as per the request made by the project proponent. The matter will be discussed only after an online request is received from the project proponent.

9. **Sand Stone, (Khand, Gitti Boulder) at Khasra No.-1144, 463, Khand No.-M/G/1, Vill.- Mamoli/Gadewara, Tehsil Meja,Prayagraj.,Area 4.86 ha File No. 6236 Proposal No.SIA/UP/MIN/61695/2021**

**RESOLUTION AGAINST AGENDA NO-09**

The project proponent/consultant requested to defer the matter in the upcoming SEAC-1 meeting. The committee discussed and directed to defer the matter as per the request made by the project proponent. The matter will be discussed only after an online request is received from the project proponent.

10. **Sand Mining at Gata No.-453, Khand No.- 02, Village-Laiburwa, Tehsil- Tulsipur, Balrampur, U.P. Shri Nitesh Kumar Singh, M/s Amethiya Construction, Area-4.85 Ha) File No. 6335 Proposal No. SIA/UP/MIN/63777/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for the Ordinary Sand Mining Project at Gata No.-453 (Khand No-2), Village- Laiburwa, Tehsil- Tulsipur, District- Balrampur, U.P. (**Leased Area:4.85ha.**) M/s Amethiya Construction, Prop.-Shri Nitesh Kumar Singh S/o- Shri Abhimanyu Singh
2. Salient features of the project as submitted by the project proponent:

1.	Name of Proponent	<b>M/s Amethiya Construction, Prop.-Shri Nitesh Kumar Singh S/o- Shri Abhimanyu Singh</b>
2.	Full correspondence address of	R/o- Saket Nagar Purvi Deoria, District- Deoria (U.P.)

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	proponent and mobile no.			
3.	Name of Project	Ordinary Sand Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 453(Khand No.-2)		
5.	Name of River	Kharjhar River		
6.	Name of Village	Laiburwa		
7.	Tehsil	Tulsipur		
8.	District	Balrampur		
9.	Name of Minor Mineral	Ordinary Sand		
10.	Sanctioned LeaseArea (in Ha.)	4.85 ha.		
11.	Max.&Min mrl within lease area	117.5mRL- 114.2 mRL		
12.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Area (4.85 ha.)		
		A	27°34'39.20"N	82°13'48.10"E
		B	27°34'40.80"N	82°13'50.10"E
		C	27°34'19.05"N	82°13'59.69"E
		D	27°34'14.42"N	82°13'57.22"E
13.	Total Geological Reserves	145500 m <sup>3</sup>		
14.	Total Mineable Reserves	87300 m <sup>3</sup>		
15.	Total Proposed Production (in Five Years)	250000 m <sup>3</sup>		
16.	Proposed Production per year	Year	Production	
		1 <sup>st</sup>	50000 m <sup>3</sup>	
		2 <sup>nd</sup>	50000 m <sup>3</sup>	
		3 <sup>rd</sup>	50000 m <sup>3</sup>	
		4 <sup>th</sup>	50000 m <sup>3</sup>	
		5 <sup>th</sup>	50000 m <sup>3</sup>	
		Total	250000 m <sup>3</sup>	
17.	Sanctioned Period of Mine lease	5 Year		
18.	Production of mine/day	222.22 m <sup>3</sup> (average)		
19.	Method of Mining	Opencast Manual/ Semi-Mechanized		
20.	No.of working days	225 days		
21.	Working hours/day	8 Hours/Day		
22.	No. of workers	25 (approx.)		
23.	No. of vehicle movement /day	18 (approx.)		
24.	Type of Land	River Bed Govt. Land		
25.	Ultimate Depth of Mining	1.14 meter (average)		
26.	Nearest metalled road from the site	0.50 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.25	
		Suppression of dust	3.00	
		Plantation	0.50	
		Others( if any)	-----	
		Total	3.75	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/ENV/ACO/21/1902 Validity- Oct 19, 2021		
29.	Any litigation pending against the project or land in any court	No		



30.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	Letter No. 6501/ Kha. Li.-Cluster Pramad Patra/2020-21, Dated-13/05/2021
31.	Details of Lease Area in approved DSR	Pg. No.- 17, Sr. No.- 02
32.	Proposed CER cost	1.0 Lakh
33.	Proposed EMP cost	7.40 Lakh
34.	Length and breadth of Haul Road.	Length- 0.50 km, Width- more than 6.0 m
35.	No. of Trees to be Planted	25

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO-10**

SEAC-1 observed that the project proponent/consultant made an online application on 08/6/2021. This project proposal was allotted Proposal No. SIA/UP/MIN/63777/2021. In form-1, in reply to question no. 30 “Whether the proposed project/activity located in notified Industrial area (Yes/No)” under point no. 30 PP/consultant have mentioned “Yes”. Due to this reason, Standard ToR’s were granted on 18/6/2021. Project Proponent/Consultant informed the committee that the answer to this question should be “No” because the project is not in the notified industrial area.

The committee discussed the matter and agrees with the issued standard ToR.

#### **The matter with the permission of Chairman:**

**11. Stone (Sand Stone) Mining at Gata No.-764, at Village-SemriMangardaha, Tehsil-Lalgani, Mirzapur., Shri Dilip Singh Suryavanshi, M/s DilipBuildcon Ltd., Area-2.504 ha File No.6129 Proposal No. SIA/UP/MIN/ 193047/2021**

#### **RESOLUTION AGAINST AGENDA NO-11**

The committee noted that the matter was earlier discussed in 533<sup>rd</sup> SEAC Meeting Dated 16/03/2021 wherein, the committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions.

Thereafter, the matter was considered in the 465<sup>th</sup> Meeting of the SEIAA, UP held on 25.05.2020 wherein, SEIAA noted that SEAC has recommended the grant EC to the above project. SEIAA gone through the file and documents and found that the name of the project proponent is different in the mine plan, LOI and that mentioned in the minutes. Hence SEIAA opined to refer back the project to SEAC for review/comments.

Subsequently, as per the direction of SEIAA, the matter was listed in 552<sup>nd</sup> SEAC-1 Meeting Dated 23/07/2021 wherein, the committee deliberated that:-

“The secretariat couldn’t produce the file of this case. The case will be taken up in the next earliest meeting when the file is traced. The secretariat must ensure that this type of incident should not happen in the future.”

With due permission of the Chairman, SEAC-1 the matter was listed in 555<sup>th</sup> SEAC-1 Meeting Dated 05/08/2021 wherein, the committee went through the file and documents and observed as follows:

1. The name of the project proponent is mentioned as M/s Dilip Buildcon Ltd. in LoI and other documents.
2. An error was done by the Project Proponent's/Consultant's while providing the information regarding the project proponent's name as Shri Sanjeev Kumar Singh in the project documents submitted erstwhile and due to that reason the name of the proponent, Shri Sanjeev Kumar Singh has been mentioned in the SEAC meeting minutes dated 16/03/2021. Now, the project proponent has made an application vide dated 05/8/2021 and submitted it along with the supplement affidavit dated 05/8/2021 informing that due to typographical error the name of the project proponent has been mentioned as Sanjeev Kumar Singh it should be in the name of, M/s Dilip Buildcon Ltd. and requested to correct the name of project proponent in 533<sup>rd</sup> SEAC meeting minutes dated 16/03/2021 likewise.

The committee accepted the request of Project Proponent's/Consultant's and recommended correction as desired. SEAC-1 recommended to grant the environmental clearance for the project proposal in the name of M/s Dilip Buildcon Ltd. along with general and specific conditions earlier stipulated in the 533<sup>rd</sup> SEAC meeting dated 16/03/2021.

**Annexure-1**

**Terms of Reference for the Mining Project**

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year before 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved before 1994.
- 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 an 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 the Survey of India Toposheet on a 1:50,000 scale indicating a 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 the 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 spelled out in the EIA report with the 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 the 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. The 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 the 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 the 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 specifically indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may apply to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of the 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) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
  - 21) 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 the shifting of the village(s) including their R&R and socio-economic aspects should be discussed in the Report.
  - 22) 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 the 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<sub>10</sub>, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for the prediction of the impact of the project on the air quality of the area. It should also take into account the impact of the movement of vehicles for the transportation of minerals. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map specifically indicating the location of the site, location of sensitive receptors if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
  - 24) The water requirement for the Project, its availability, and source should be furnished. A detailed water balance should also be provided. Fresh water requirements for the Project should be indicated.
  - 25) Necessary clearance from the Competent Authority for the drawl of the requisite quantity of water for the Project should be provided.
  - 26) Description of water conservation measures proposed to be adopted in the Project should be given.
  - 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
  - 28) The 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.
  - 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
  - 30) 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 a Report furnished. The Report inter-alia shall include details of the aquifers present and the 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.
  - 31) 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.
  - 32) 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.
  - 33) 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 the plantation already done should be given. The plant species selected for the 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.
  - 34) Impact on local transport infrastructure due to the Project should be indicated. A 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.

- 35) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 36) Conceptual post-mining land use and Reclamation and Restoration of mined-out areas (with plans and with the adequate number of sections) should be given in the EIA report.
- 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelled out. 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.
- 38) 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.
- 39) 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.
- 40) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of the change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 41) 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.
- 42) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 43) The cost of the Project (capital cost and recurring cost), as well as the cost towards implementation of EMP, should be spelled out.
- 44) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
- 45) Benefits of the Project if the Project is implemented should be spelled out. The benefits of the Project shall indicate environmental, social, economic, employment potential, etc.
- 46) Besides the above, the below mentioned general points are also to be followed:-
  - a) Executive Summary of the EIA/EMP Report
  - b) All documents are 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 the 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 the revised documentation.

- i) As per circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, a 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.

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM MINING PROPOSALS**

**General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any change in the mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization, and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at the site by the project proponent and officials of the Mining/Revenue department before starting mining operations. Such site plan, duly verified by the competent authority along with a copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of the site plan will also be submitted to SEIAA within 02 months.
5. Mining and loading shall be done only within day hours.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take care of dust generated during the mining operation. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before the start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made in public places.
10. No tree-felling will be done in the leased area, except only with the permission of the Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor minerals does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that the mining operation of Sand/Moram will not in any way disturb the velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependent on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB, and SEIAA within 02 months.
15. A primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB, and SEIAA within six months.
16. The hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the groundwater regime. The report shall be submitted to the RO, PCB, and SEIAA within six months. In case the adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the leased area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB, and SEIAA, and this activity should be completed before the start of sand mining.
18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of an economically weaker section of society. Income-generating projects/tools such as the development of fodder farms, fruit-bearing orchards, vocational training, etc. can form a part of such a programme. The project proponent shall provide a separate budget for community development activities and income-generating programmes.



19. Green cover development shall be carried out following CPCB guidelines including the selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stockpiles shall be maintained for excavated topsoil if any, and the topsoil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at the site.
22. The District Mining Officer should quarterly monitor compliance with the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions, the District Mining Officer will report to SEIAA.
23. The project proponent shall submit six-monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer, and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
24. A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, and Urban Local Body.
25. Transportation of materials shall be done by covering the trucks/tractors with tarpaulin or other suitable mechanisms to avoid fugitive emissions and spillage of minerals/dust.
26. Wastewater, from the temporary habitation campus, be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
27. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
28. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken shall be carried out by the project proponent regularly at his own expense.
29. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geotextile matting or other suitable material.
30. Under corporate social responsibility, a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for the total lease period. Its budget is to be separately maintained. CER components shall be prepared based on the need of the local habitant. Income-generating measures which can help in the upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as the development of fodder farms, fruit-bearing orchards, free distribution of smokeless Chula, etc.
31. Possibility for adopting the nearest three villages shall be explored and details of civic amenities such as roads, drinking water, etc. proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
32. The funds earmarked for environmental protection measures should be kept in a separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P, and UPPCB.
33. Action plan in respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concerned Regional Officer of UPPCB and SEIAA within 02 months.
34. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
35. The proponent shall observe every 15 days for the nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For this purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.

36. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydrogeological regime of the surrounding area shall not be affected.
37. The project proponent shall obtain the necessary prior permission of the competent Authorities for withdrawal of the requisite quantity of water (surface water and groundwater), required for the project.
38. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
39. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
40. 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. (MoEF circular Dated: 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at the site).
41. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. The occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures if needed.
42. A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body, and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
43. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
44. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on the river bank or along the roadside (Avenue Plantation).
45. Debris from the river bed will be collected and stored at a secured place and may be utilized to strengthen the embankment.
46. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include a measure for treatment of bite of poisonous reptile/insect-like snake.
47. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Specific Conditions for Sand/Moram Mining:-**

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National Park/ Sanctuary prior permission of the statutory committee of National Board for wildlife under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of a cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The leaseholder shall mandatorily follow cluster conditions otherwise it will amount to a violation of E.C. conditions. If the certificate related to the cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid the ponding effect and adverse environmental conditions for sand mining in the area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo-coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in a cluster of areas equal or more than 05ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for the midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi-mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machines such as excavators, scoopers, etc. should not be employed for mining purposes. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of the precise area to control and avoid erosion of the riverbank. The mining is confined to the extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to the plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e., the distance from the bank of the river to be left un-worked (Non-mining area), distance from the bridges, etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For this purpose, a schedule of health examinations of the workers should be drawn and followed accordingly.
15. The critical parameters such as PM10, PM2.5, SO2, and NOx in the ambient air within the impact zone shall be monitored periodically. Further, the quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].

16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before the expiry of the present mining plan.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub>. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
21. The common road for transportation of minerals is to be maintained collectively. The total cost will be shared/worked out based on lease area among users.
22. The proponent will provide adequate sanitary facilities in the form of mobile toilets to the labours engaged in the project work.
23. Solid waste material viz., gutkha pouches, plastic bags, glasses, etc. to be generated during project activity will be separate storage in bins and managed as per Solid Waste Management rules.
24. Green area/belt to be developed along haulage road in consultation with Gram Sabha/Panchayat.
25. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
26. Digital processing of the entire lease area in the district using remote sensing techniques should be done regularly once in three years for monitoring the change of river course by the Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P., and UPPCB.
27. A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from whom suggestion/representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
28. State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre, and Collector's office/Tehsildar's Office for 30 days.
29. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at the web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
30. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
31. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
32. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
33. Wastewater from potable use should be collected and reused for sprinkling.
34. During the school opening and closing time, vehicle movement will be restricted.

35. A width of not less than 50 meters or 10% width of the river can be restricted for mining activities from the river bank. A condition can be imposed that mining will be done from river activities from the river bank.

**General and Specific Conditions for Gitti, Patthar & Boulder Mining Projects: -**

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow, and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.
16. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Regional Office, MoEF, GoI, Lucknow, and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the MoEF, GoI, Lucknow, and State Pollution Control Board
19. The Regional Office, MoEF, GoI, Lucknow, and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Regional Office of the MoEF, GoI, Lucknow, and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
6. Explosive cannot be stored on the site.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.

12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the regional office, MoEF&CC, GoI, Lucknow, and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expense. The roads shall be blacktopped.
17. Rainwater harvesting shall be undertaken to recharge the groundwater source.
18. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow, and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial *nallahs* if any flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow, and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow, and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the



- beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
  28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
  29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
  30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
  31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
  32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
  33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
  34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., pre-monsoon (April-May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
  35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
  36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
  37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.

38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health check-up record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done only after getting permission from the Mining Department.

**(Nodal SEAC-1)**

(Dr. Ajai Mishra)  
**Member**

(Om Prakash Srivastava)  
**Member**

(Dr. Brij Bihari Awasthi)  
**Member**

(Umesh Chandra Sharma)  
**Member**

(Dr. Ratan Kar)  
**Member**

(Director Environment)  
**Member Secretary**

(Rajive Kumar)  
**Chairman**