

### **Minutes of 538<sup>th</sup> SEAC Meeting Dated 12/04/2021**

The 538<sup>th</sup> meeting of SEAC was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 12/04/2021. Following members were participate in the online meeting:

1.	Dr. S.N. Singh,	Chairman
2.	Dr. Sarita Sinha,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Ranjeet Kumar Dalela,	Member
6.	Dr. Ajoy Kumar Mandal,	Member
7.	Shri Rajive Kumar,	Member
8.	Shri Meraj Uddin,	Member

The Chairman welcomed the members to the 538<sup>th</sup> SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

**1. Moram Mining at Gata No.-GHA, Village-Hariharpur, Tehsil- Gola, District-Rampur, U.P. Smt. Ranjeet Kaur., Area-1.1300 Ha. File No. 6161/Proposal No. SIA/UP/MIN/191856/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Moram Mining at Gata No.-GHA, Village-Hariharpur, Tehsil- Gola, District-Rampur, U.P. (Leased Area-1.1300 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/191856/2021		
2.	File No. allotted by SEIAA, UP	6161		
3.	Name of Proponent	Smt. Ranjeet Kaur W/o Shri Satvinder Singh		
4.	Full correspondence address of proponent and mobile no.	R/o-Vill.-Kundanpur Patti Kalan Rahmat Ganj, Tehsil-Swar, District-Rampur, U.P.		
5.	Name of Project	Ordinary Sand Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 274		
7.	Name of River	Kosi		
8.	Name of Village	Bhoovra Ehatmali		
9.	Tehsil	Swar		
10.	District	Rampur		
11.	Name of Minor Mineral	Ordinary Sand		
12.	Sanctioned Lease Area (inHa.)	1.1300 ha.		
13.	Max.&Min mrl within lease area	217.0mRL- 215.0 mRL		
14.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Area (1.1300 ha.)		
		A	29° 6.000'N	79° 1.304'E

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		B	29° 5.999'N	79° 1.455'E
		C	29° 5.980'N	79° 1.420'E
		D	29° 5.948'N	79° 1.405'E
15.	Total Geological Reserves	37290 m <sup>3</sup>		
16.	Total Mineable Reserves	22168 m <sup>3</sup>		
17.	Total Proposed Production (6 month)	22000 m <sup>3</sup>		
18.	Proposed Production	22000 m <sup>3</sup> (in 6 month)		
19.	Sanctioned Period of Mine lease	6 month (from execution of lease deed)		
20.	Production of mine/day	122 m <sup>3</sup> (approx.)		
21.	Method of Mining	Opencast Manual		
22.	No.of working days	180 days		
23.	Working hours/day	8 Hours/Day		
24.	No. of workers	24 (approx.)		
25.	No. of vehicle movement /day	10 (approx.)		
26.	Type of Land	Personal Land		
27.	Ultimate Depth of Mining	2.60 meter (average)		
28.	Nearest metalled road from site	0.45 km		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.24	
		Suppression of dust	2.70	
		Plantation	0.01	
		Others( if any)	-----	
		Total	2.95	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Rampurvide Letter No. 11/ Khanij, Dated- 04/01/2021		
33.	Details of Lease Area in approved DSR	Pg. No.- 27, Sr. No.- 04		
34.	Proposed CER cost	0.60 Lakh		
35.	Proposed EMP cost	4.15 Lakh		
36.	Length and breadth of Haul Road.	Length- 1.0 km, Width- more than 6.0 m		
37.	No. of Trees to be Planted	100		

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as 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-01**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-1 & 2 to these minutes regarding mining project.**

1. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.

2. Environment management in according to environmental status and impact of the project.
3. Selection of plants for green belt should be on the basis of pollution removal index.
4. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
5. Pakka motorable haul road to be maintained by the project proponent.
6. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
7. Permission from the competent authority regarding evacuation route should be taken.
8. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
9. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
10. 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.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Provide suitable mask to the workers.
14. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
15. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
16. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
17. Provision for two toilets and hand pumps should be made at mining site.
18. Drinking water for workers would be provided by tankers.
19. 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.
20. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
21. 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.
22. Health/Insurance card, Medical claim, 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.
23. Measure for 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 activity in CER.
24. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
25. Width of the haul road shall be more than 6 meter.
26. 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.

2. Sand Stone Mining at Gata No.-562, at Village-Darhiram, Tehsil-Sadar, Mirzapur, U.P., Shri Shyam Bahadur Singh, Area -0.606 ha. File No. 6180/Proposal No. SIA/UP/MIN/194628/2021

**RESOLUTION AGAINST AGENDA NO-02**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit approved DSR from competent authority.

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

3. Stone, Khanda, Boulder, Bailast&GittiMining at Gata No.-226, Khand No.-07 at Village-Sirvo, Garautha,Jhnasi., Shri Harpal Singh,Area0.809 ha. File No. 6181/Proposal No. SIA/UP/MIN/194574/2021

**RESOLUTION AGAINST AGENDA NO-03**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. No. of plantation & EMP should be revised.
2. Approved DSR from competent authority.
3. Production quantity should be provided in metric ton form.

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

4. Sand Stone Mining at Gata No.-562, at Village-Dadhira, Sadar, Mirzapur, U.P., Smt. Shivkumari Devi, Area -0.8090 ha. File No. 6183/Proposal No. SIA/UP/MIN/197353/2021

**RESOLUTION AGAINST AGENDA NO-04**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Approved DSR from competent authority.
2. Revised cluster certificate with verified composite Map.

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

5. Sand Stone Mine at Araj No.-180/2, SI No.-28, at Village- Ummaniya, Tehsil-Rath, Hamirpur,Shri Shri Niwas Budhaliya., Area-0.506 ha. File No. 6200/Proposal No. SIA/UP/MIN/198495/2021

**RESOLUTION AGAINST AGENDA NO-05**

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

6. **Stone, Khanda, Gitti, Boulder Mining at Gata No.669, Khand No.- 03, at Village-Khailar, Sadar, Jhansi. Shri Pramod Kumar Gupta., area-2.023 ha. File No. 6205/Proposal No. SIA/UP/MIN/198739/2021**

**RESOLUTION AGAINST AGENDA NO-06**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and directed the project proponent to submit following information:

1. Mismatch between cluster certificate & composite map verified by DMO regarding no. of leases within 500 m radius of the proposed area.
2. Revised plantation details as per guidelines.
3. Revised EMP.

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

7. **Building Stone, Khanda& Boulder, Gitti/Ballast Mining at Gata No.-205/02,,Khand No.-01, at Village- BhadarwaraBujurg, Tehsil-Garautha, Jhansi., Shri Rajendra Singh Yadav, M/s Shivam Steels, Area-1.618 ha. File No. 6056/Proposal No. SIA/UP/MIN/187412/2020**

**RESOLUTION AGAINST AGENDA NO-07**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

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

8. **Stone, Gitti & Khandas, Boulder Mining at Gata No.-669, Khand No.-27, Village-Khailar, Sadar, Jhansi., Shri Anand Kumar Yadav.,Area 2.023 ha. File No. 6061/Proposal No.SIA/UP/MIN/189510/2020**

**RESOLUTION AGAINST AGENDA NO-08**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

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

**9. Stone,khanda, Gitti& Boulder, Ballast Mining at Gata No.-455, Khand No.-01, Village-Pachobai,Moth, Jhansi. ShriShivpal Singh., Area-0.809 ha. File No. 6069/Proposal No. SIA/UP/MIN/189910/2020**

**RESOLUTION AGAINST AGENDA NO-09**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

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

**10. Stone khanda, Gitti& Boulder, Ballast Mining at Gata No.-1498, Khand No.-04, Village-Gadiya,Talbehat, Lalitpur., Shri Ravaraja., Area-2.023 ha. File No. 6070/Proposal No. SIA/UP/MIN/189930/2020**

**RESOLUTION AGAINST AGENDA NO-10**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

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

**11. Sand Mining from Yamuna River Bed Near Village- UtasiniKhadar, Tehsil-Khair, Aligarh, U.P., Sanjiv Kumar Paltani, Area - 6.648 Ha. File No. 5286/Proposal No. SIA/UP/MIN/43251/2019**

**RESOLUTION AGAINST AGENDA NO-11**

A presentation was made by the project proponent along with their consultant M/s Chandigarh Pollution Testing Laboratory – EIA Division. The committee discussed the matter and directed the project proponent to submit following information:

1. Free silica should be reanalysed.
2. Permission from Irrigation Department for the construction of temporary bridge.
3. Recalculate and area of riparian zone & safety margin.
4. Actual quantity available for production should be recalculated.

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

**12. Brick Earth Mining at Gata No.-256, 309, 232, 261, Village-Dhanela, Tilhar, Shahjahanpur. Shri Harish Arora, M/s Kshish Brick Field., .Area-2.611 ha. File No. 6060/Proposal No. SIA/UP/MIN/189533/2020**

**RESOLUTION AGAINST AGENDA NO-12**

A presentation was made by the project proponent along with their consultant M/s Chandigarh Pollution Testing Laboratory – EIA Division. The committee discussed the matter and observed that the area of the project is not earmarked on khasra map. The committee directed the project proponent to submit revised khasra map regarding the project.

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

**13. Sand Stone (Khanda, Gitti & Boulder) Mine at Gata No.-174, Khand No.- B/4, Village-Bangaliya, Tehsil-Meja District- Prayagraj, U.P., M/s Kusum Construction, Area-2.024 ha. File No. 6213/Proposal No. SIA/UP/MIN/61005/2021**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that: -

1. The environmental clearance is sought for Sand Stone (Khanda, Gitti & Boulder) Mine at Gata No.- 174, Khand No.- B/4, Village- Bangaliya, Tehsil-Meja District- Prayagraj, U.P., (Leased Area-2.024 ha.), M/s Kusum Construction.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61005/2021		
2. File No. allotted by SEIAA, UP	6213		
3. Name of Proponent	M/s Kusum Construction, Prop. Smt Kusum Devi		
4. Full correspondence address of proponent and mobile No.	R/o Pandila, Post- Ismailganj, Thana- Tharvai, District- Prayagraj, (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Bangaliya Building stone Sand Stone (Khanda, Gitti, Boulder) Mining project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 174 (Khand No. B/4)		
7. Name of River	-		
8. Name of Village	Bangaliya		
9. Tehsil	Meja		
10. District	Prayagraj		
11. Name of Minor Mineral	Building stone Sand Stone (Khanda, Gitti, Boulder)		
12. Sanctioned Lease Area (in Ha.)	2.024 ha		
13. Max & Min mRL within lease area	Max- 109 mRL and Min- 99 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25° 8.033'N	82° 16.395'E
	A1	25° 8.039'N	82° 16.401'E
	B	25° 8.030'N	82° 16.454'E
	C	25° 7.950'N	82° 16.485'E
	D	25° 7.942'N	82° 16.432'E

15. Total Geological Reserves	8,61,300 cum	
16. Total Mineable Reserves in LOI	20,240 cum	
17. Total Proposed Production	1,01,200 cum	
18. Proposed Production/year	20,240 cum	
19. Sanctioned Period of Mine lease	Maximum 20 years	
20. Production of mine/day	77.84	
21. Method of Mining	Open Cast Semi-mechanized Method	
22. No. of working days	260 days	
23. Working hours/day	8 hrs	
24. No. of workers	32	
25. No. of vehicles movement/day	11	
26. Type of Land	Government waste land	
27. Ultimate Depth of Mining	42	
28. Nearest metalled road from site	.50 km	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.32
	Suppression of dust	3.6
	Plantation	0.20
	Others (if any)	-
	Total	4.12
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022	
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	Yes, certified	
33. Details of Lease Area in approved DSR	Yes, given in the DSR	
34. Proposed CER cost	Rs 1,20,000/-	
35. Proposed EMP cost	Recurring CostRs 3,68,000 /- Capital Cost-1,20,000/-	
36. Length and breadth of Haul Road	Length: 0.300 km, width: 6 m	
37. No. of Trees to be Planted	100 plants	

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

**RESOLUTION AGAINST AGENDA NO-13**

**The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA as annexed at annexure-3.**

**Additional TOR:**

- DSR from competent authority should be submitted at the time of EIA.**
- Geo-Coordinates mismatch between mining plan, lease map and LOI submitted by the project proponent.



**14. Granite Gitti, Khanda, Boulders & RedMorrum Mining at Khasra No./Gata No.- 2131/5, Village- RauliKalyanpur, Tehsil- Karwi, Chitrakoot, U.P., Shri Satyendra Kumar., Area -1.0121 ha. File No. 6216/Proposal No. SIA/UP/MIN/61113/2021**

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Granite Gitti, Khanda-Boulder, Red Morrum mining Project at Khasra/ Gata no. 2131/05, Village - Rauli Kalyanpur, Tehsil- Karwi , District- Chitrakoot, U.P. (Leased Area: 1.0121 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/61113/2021		
2.	File No. allotted by SEIAA, UP	6216		
3.	Name of Proponent	Shri Satyendra Kumar		
4.	Full correspondence address of proponent and mobile no.	Khaira , Najafgarh, New Delhi-110043		
5.	Name of Project	Granite Gitti, Khanda-Boulder, Red Morrum mining Project at Khasra/ Gata no. 2131/05, Village - Rauli Kalyanpur, Tehsil- Karwi, District- Chitrakoot, U.P. Area: 1.0121 Ha, Proprietor Shri Satyendra Kumar		
6.	Project Location (Plot.Khsra/Gata No.)	Gata No-2131/05		
7.	Name of Village	Rauli Kalyanpur		
8.	Tehsil	Karwi		
9.	District	Chitrakoot		
10.	Name of Minor Mineral	Granite Gitti, Khanda-Boulder, Red Morrum		
11.	Sanctioned Lease Area (in Ha.)	1.0121 Ha		
12.	Max. & Min mRL within lease area	198.0 mRL to 158.0 mRL		
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25°11'.964' N	80°42'.898' E
		B	25°11'.882' N	80°42'.963' E
		C	25°11'.865' N	80°42'.938' E
		D	25°11'.944' N	80°42'.874' E
14.	Total Geological Reserves	3,73,934m <sup>3</sup> /Annum		
15.	Total Mineable Reserve in LOI	37,500 m <sup>3</sup> /Annum		
16.	Total Proposed Production in LOI	37500 m <sup>3</sup> /Annum		
17.	Total Proposed Production in 20Years	37500 *20=7,50,000 m <sup>3</sup>		
18.	Sanctioned Period of Mine lease	20 Years		
19.	Production of mine/day	125 m <sup>3</sup> /Day		
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
21.	No. of working days	300 Days		
22.	Working hours/day	8 Hours		
23.	No. of worker	24 Workers		
24.	No. of vehicles movement/day	14 Trucks / Day (Depending on market demand)		
25.	Type of Land	Govt. Land		
26.	Ultimate of Depth of Mining	36.0 m		
27.	Nearest metalled road from site	1.30Km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
29.		Drinking	0.24 KLD	

30.		Suppression of dust	12.00 KLD
31.		Plantation	0.1 KLD
32.		Others (if any)	
33.		Total	<b>12.34 KLD (Approx. 12.00 KLD)</b>
34.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 86 Period of Validity- 30-04-2021	
35.	Any litigation pending against the project or land in any court	No	
36.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-1913/Khanij/(2020-21) Date-18.2.2021	
37.	Details of Lease Area in approved DSR	Page No'-30, Table No.'-17 Sr. No'-5	
38.	Proposed CER cost	2% of total project cost i.e. Rs.1.12 Lakhs	
39.	Proposed EMP cost	11.68 Lakhs	
40.	Length and breadth of Haul Road	1000 mt Length & 6m width haulage road	
41.	No. of Trees to be Planted	25 Trees	

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as 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-14**

The committee discussed the matter and recommended to issue the additional terms of reference (AToR) for the preparation of EIA as annexed at annexure-3.

**Additional ToR:**

1. DSR from competent authority should be submitted at the time of EIA.

**15. Sand (Balu) Mine at Araji/Gata No.- 494 Ga/2, Village- Baisukiya, Tehsil- Sadar, Mirzapur., Shri Hausila Prashad, M/s H.P. Traders, Area: 5.0 ha. File No. 6217/Proposal No. SIA/UP/MIN/61157/2021**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Balu (Ordinary Sand) Mining at Araji/Gata no.-494 Ga, Village-Baisukiya, Tehsil-Sadar, District-Mirzapur, U.P., M/s H.P. Traders, (Leased Area-5.0 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/61157/2021
2.	File No. allotted by SEIAA, UP	6217
3.	Name of Proponent	M/s H.P. Traders Shri Hausila Prashad Dube S/o Shri Aditya Narayan Dube
4.	Full correspondence address of proponent and mobile no.	M/s H.P. Traders Shri Hausila Prashad Dube S/o Shri Aditya Narayan Dube R/o village- Rampur, Tehsil- Sadar, Mirzapur.

		Mobile no.-																
		E-mail Id- hptraders5418@gmail.com																
5.	Name of Project	Balu (Ordinary Sand) Mining Village –Baisukiya, Tehsil- Sadar, District–Mirzapur, Uttar Pradesh																
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –494 Ga/2, Village –Baisukiya, Tehsil-Sadar, District–Mirzapur, Uttar Pradesh																
7.	Name of River	NA																
8.	Name of Village	Baisukiya																
9.	Tehsil	Sadar																
10.	District	Mirzapur																
11.	Name of Minor Mineral	Balu (Ordinary Sand) Mining																
12.	Sanctioned Lease Area (in Ha.)	5.0 ha.																
13.	Max. & Min mRL within lease area	Highest mRL is 71.0 & Lowest Is 69.0mRL																
14.	Pillar Coordinates (Verified by DMO)	<table><tr><td>Pillars</td><td>Latitude</td><td>Longitude</td></tr><tr><td>A</td><td>25°13'05.4"N</td><td>82°34'21.7"E</td></tr><tr><td>B</td><td>25°13'04.7"N</td><td>82°34'28.8"E</td></tr><tr><td>C</td><td>25°12'57.1"N</td><td>82°34'26.0"E</td></tr><tr><td>D</td><td>25°12'57.7"N</td><td>82°34'19.2"E</td></tr></table>		Pillars	Latitude	Longitude	A	25°13'05.4"N	82°34'21.7"E	B	25°13'04.7"N	82°34'28.8"E	C	25°12'57.1"N	82°34'26.0"E	D	25°12'57.7"N	82°34'19.2"E
Pillars	Latitude	Longitude																
A	25°13'05.4"N	82°34'21.7"E																
B	25°13'04.7"N	82°34'28.8"E																
C	25°12'57.1"N	82°34'26.0"E																
D	25°12'57.7"N	82°34'19.2"E																
15.	Total Geological Reserves	175,000 m <sup>3</sup>																
16.	Total Mineable Reserve (as per Approve Mine Plan)	105,000 m <sup>3</sup>																
17.	Total Proposed Production	100,000 m <sup>3</sup> /year																
18.	Proposed Production /year	100,000 m <sup>3</sup> /year																
19.	Sanctioned Period of Mine lease	5.0 ha.																
20.	Production of mine/day	364 m <sup>3</sup> /day																
21.	Method of Mining	Opencast, Semi-Mechanized																
22.	No. of working days	275																
23.	Working hours/day	8																
24.	No. of worker	24																
25.	No. of vehicles movement/day	28																
26.	Type of Land	Revenue land																
27.	Ultimate of Depth of Mining	2.43m																
28.	Nearest metalled road from site	0.23km																
29.	Water Requirement	<table><tr><td>PURPOSE</td><td>REQUIREMENT (KLD)</td></tr><tr><td>Drinking</td><td>0.72 KLD</td></tr><tr><td>Suppression of dust</td><td>0.95 KLD</td></tr><tr><td>Plantation</td><td>0.3 KLD</td></tr><tr><td>Others (if any)</td><td>-</td></tr><tr><td>Total</td><td>1.97 KLD</td></tr></table>		PURPOSE	REQUIREMENT (KLD)	Drinking	0.72 KLD	Suppression of dust	0.95 KLD	Plantation	0.3 KLD	Others (if any)	-	Total	1.97 KLD			
PURPOSE	REQUIREMENT (KLD)																	
Drinking	0.72 KLD																	
Suppression of dust	0.95 KLD																	
Plantation	0.3 KLD																	
Others (if any)	-																	
Total	1.97 KLD																	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 03/04/2021																
31.	Any litigation pending against the project or land in any court	No																
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1788/khanij/2020-21																
33.	Details of Lease Area in approved DSR	5.0 ha.																
34.	Proposed CER cost	1.24 lakh																
35.	Proposed EMP cost	Total project cost-Rs 62 lakh																
36.	Length and breadth of Haul Road	230m & 6m																
37.	No. of Trees to be Planted	150																

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as 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-15**

**The committee discussed the matter and recommended to issue the additional terms of reference (AToR) for the preparation of EIA as annexed at annexure-3.**

**Additional ToR:**

1. DSR from competent authority should be submitted at the time of EIA.

**16. Building Stone (Khanda, Gitti, Boulder) Mining at Araj No.-188, (Khand -03 New, 02 old), Village- MahuaItaura, Tehsil-Kulpahad, District- Mahoba, U.P., Shri Mohit Singh., Area- 1.214 ha. File No. 6092/Proposal No. SIA/UP/MIN/190607/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that: -

1. The environmental clearance is sought for Building Stone (Khanda, Gitti, Boulder) Mining at Araj No.-188, (Khand -03 New, 02 old), Village- MahuaItaura, Tehsil-Kulpahad, District- Mahoba, U.P., (Leased Area- 1.214 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/190607/2020, Dated:- 30/12/2020		
2. File no. allotted by SEIAA, UP	6092		
3. Name of Proponent	Shri Mohit Singh S/o Shri Brajnandan Singh		
4. Full correspondence address of proponent and mobile no.	Shri Mohit Singh S/o Shri Brajnandan Singh R/o:- 25 Kha, Saidpur, Rath, District- Hamirpur, (U.P.), Pin Code:- 210431		
5. Name of Project	"Building Stone"(Gitti, Khandas& Boulder)		
6. Project location (Plot/Khasra/Gate No.)	Araj No.: 188, Khand No.: 03 New, 02 Old		
7. Name of Village	MahuaItaura		
9. Tehsil	Kulpahad		
10. District	Mahoba		
11. Name of Minor Mineral	Gitti, Khanda& Boulder Mine		
12. Sanctioned Lease Area (in Ha.)	1.214Ha		
13. Altitude of the Area	Maximum Elevation: 191.10 mRL Minimum Elevation: 184.90 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25°23'52.05"N	79°31'21.31"E
	B	25°23'51.49"N	79°31'25.05"E
	C	25°23'49.47"N	79°31'25.70"E
	D	25°23'47.12"N	79°31'24.47"E
	E	25°23'50.04"N	79°31'20.86"E
15. Total Geological Reserves	4,25,400 m <sup>3</sup>		
16. Total Mineable Reserves	3,07,251 m <sup>3</sup>		
17. Total Proposed Production (in five year)	3,00,000m <sup>3</sup>		
18. Proposed Production/year	60,000m <sup>3</sup> /annum		
19. Sanctioned Period of Mine lease	10 Years		

20. Production of mine/day	230.76 m <sup>3</sup> per day (646.15 T/day, Bulk Density 2.8)				
21. Method of Mining	Open Cast, Semi-mechanized				
22. Drilling & Blasting	Yes (if Required)				
23. No. of Working days	260 Days				
24. Working hours/day	8 hours/day				
25. No. of Workers	34Manpower				
26. No. of vehicles movement/day	32 Units (Assumed Loading Capacity: 20 T/Unit)				
27. Type of Land	State Government Land				
28 Ultimate Depth of Mining	36meters (185 mRL – 149 mRL) <i>Source: Approved Mining Plan</i>				
29. Nearest metalled road from site	NH-76, 0.80 Km, West				
30. Water Requirement		Source	Purpose	Detail	Avg. Demand/ Day
		Portable Tanker	Drinking & others @15lpcd/worker	34 workers x 15 lpcd = 510 Lit/ day	0.51 KLD
			Plantation @5 Lit/plant	121 sapling x 5 lt = 605 Lit/ day	0.60 KLD
			Mine operation /others	-	1.0
			Dust suppression @1 Lit/Sq.m (Twice in a day)	Approach Road Area = (1061 m Length x 7 m Width = 7427 m <sup>2</sup> )	7.42 KLD
		Total			9.53KLD
31. Name of QCI Accredited Consultant with QCI No and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till April 03/2021				
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	पत्रांक: 7409/ एम.एम .सी- 30/2020 , दिनांक: 16/12/2020 issued by Mining Officer Mahoba.				
34. Details of Lease Area in approved DSR	-				
35. Total Proposed Project Cost	Rs.73.27 Lakhs				
36. Proposed CER cost	Rs. 3.66 Lakhs (5% of the total Project Cost)				
37. Proposed EMP cost	Rs. 15.92 Lakhs (Approach Road repair, Dust Suppression, Plantation Post plantation care & Environmental Monitoring)				
38. Length and Width of Haul Road	Approach Road Length 1061 m (length 1061 m & Width 7m)				
39. No. of Trees to be Planted	50 Trees in First Year				

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

#### **RESOLUTION AGAINST AGENDA NO-16**

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

**17. Building Stone, Khanda, Boulder, Bailast & Gitti Mining at Arajai No.-60, Khand No.-05, Village-Jamala, Tehsil-Kulpahad, Mahoba, U.P., Shri Chandra Prakash Maheshwari., Area-0.870 ha. File No. 6097/Proposal No. SIA/UP/MIN/190743/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone, Khanda, Boulder, Bailast & Gitti Mining at Arajai No.-60, Khand No.-05, Village-Jamala, Tehsil-Kulpahad, Mahoba, U.P., (Leased Area-0.870 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/190743/2020			
2. File no. allotted by SEIAA, UP	6097			
3. Name of Proponent	Shri Chandra PrakashMaheshwari S/o ShriChunnilal			
4. Full correspondence address of proponent and mobile no.	House No. 111, Mohalla- Kotbazar, Town & Thana- Rath, Tehsil- Rath, District- Hamirpur, (U.P.) - 210431			
5. Name of Project	Building Stone Khanda, Boulder, Ballast (Gitti) Mining Project			
6. Project location (Plot/Khasra/Gate No.)	Araji No - 60 (Khand No - 05)			
7. Name of Village	Jamala			
9. Tehsil	Kulpahad			
10. District	Mahoba			
11. Name of Minor Mineral	Building Stone Khanda, Boulder, Ballast (Gitti)			
12. Sanctioned Lease Area (in Ha.)	0.870 Ha			
13. Altitude of the Area	The Highest Point at 183.00 mRL The Lowest Point at 173.00 mRL			
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude	
	A	25°24'50.84"N	79°30'12.45"E	
	B	25°24'48.00"N	79°30'16.43"E	
	C	25°24'46.08"N	79°30'16.01"E	
	D	25°24'46.70"N	79°30'13.16"E	
15. Total Geological Reserves	3,29,430 m <sup>3</sup>			
16. Total Mineable Reserves	2,20,215 m <sup>3</sup>			
17. Total Proposed Production (in five year)	40,450 m <sup>3</sup>			
18. Proposed Production/year	43,000 m <sup>3</sup> /annum			
19. Sanctioned Period of Mine lease	10 Years			
20. Production of mine/day	165.4 m <sup>3</sup> /day(463 T/day) (Bulk Density- 2.8)			
21. Method of Mining	Open Cast, Semi-mechanized			
22. Drilling & Blasting	Yes (if Required)			
23. No. of Working days	260 Days			
24. Working hours/day	8 hours/day			
25. No. of Workers	31 Manpower			
26. No. of vehicles movement/day	46 Units (Assumed Loading Capacity: 10 Tonnes/Unit)			
27. Type of Land	State Government Land			
28. Ultimate Depth of Mining	30meters (177mRL – 147mRL) Source: Approved Mining Plan			
29. Nearest metalled road from site	NH-76, 2.5 km, SE			
30. Water Requirement	Source	Purpose	Detail	Avg. Demand/ Day

	Portable Tanker	Drinking & others @ 15lpcd/worker	31 workers x 15 lpcd = 465 lit/day	0.465 KLD
		Plantation @ 5 Lit/plant	50 Trees x 5 lpcd = 250 Lit/day	0.25 KLD
		Mine operation /others	-	1.0 KLD
		Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Haul Road Area = (190 m Length x 7m Width = 1330 m <sup>2</sup> ) x 1 lit/sq.m = 1330 lit x 2 (twice in a day) = 2660 lit/day	2.66 KLD
	Total			4.38 KLD
31. Name of QCI Accredited Consultant with QCI No and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till April 03/2021			
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	पत्रांक: 7373/ एम.एम.सी- 30/2020-21 , दिनांक: 11/12/2020 issued by Mining Officer Mahoba.			
34. Details of Lease Area in approved DSR	-			
35. Total Proposed Project Cost	Rs. 61.89 Lakhs			
36. Proposed CER cost	Rs. 3.10 Lakhs (5% of the total Project Cost)			
37. Proposed EMP cost	Rs. 9.47 Lakhs (Haulage Road repair, Dust Suppression, Plantation Post plantation care & Environmental Monitoring)			
38. Length and Width of Haul Road	Haul Road Length 190 m & Width 7m)			
39. No. of Trees to be Planted	50 Trees in First Year			

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as 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-17**

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

#### **18. Building Stone, Khanda, Boulder & Gitti Mining at Araj No.-188, Khand No.-04 New 01 old, at Village- MahuaItaura, Tehsil-Kulpahad, Mahoba., Shri Rakesh Kumar Mishra., Area-1.012 ha. File No. 6101/Proposal No. SIA/UP/MIN/190773/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone, Khanda, Boulder & Gitti Mining at Araji No.-188, Khand No.-04 New 01 old, Village- Mahualtaura, Tehsil-Kulpahad, Mahoba, U.P., (Leased Area-1.012 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/190773/2020		
2. File no. allotted by SEIAA, UP	6101		
3. Name of Proponent	ShriRakesh Kumar Mishra S/o ShriVanshGopal Mishra		
4. Full correspondence address of proponent and mobile no.	ShriRakesh Kumar Mishra S/o ShriVanshGopal Mishra R/o: Village- MugalpuraKasba, Thana-Rath, Tehsil- Rath, District: Hamirpur, State: Uttar Pradesh		
5. Name of Project	"Building Stone" Gitti, Patthar&Khandas Mine		
6. Project location (Plot/Khasra/Gate No.)	Araji No.: 188, Khand No.: 04 New, 01 Old		
7. Name of Village	Mahualtaura		
9. Tehsil	Kulpahad		
10. District	Mahoba		
11. Name of Minor Mineral	BUILDING STONE (KHANDAS, GITTI & BOULDER)		
12. Sanctioned Lease Area (in Ha.)	1.012Ha		
13. Altitude of the Area	Maximum Elevation: 191.10mRL Minimum Elevation: 184.90mRL Slope towards North- East direction		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25°23'55.50"N	79°31'21.23"E
	B	25°23'54.57"N	79°31'24.27"E
	C	25°23'51.49"N	79°31'25.05"E
	D	25°23'52.13"N	79°31'20.72"E
15. Total Geological Reserves	3,58,455 m <sup>3</sup>		
16. Total Mineable Reserves	2,56,780 m <sup>3</sup>		
17. Total Proposed Production (in five year)	2,50,000 m <sup>3</sup>		
18. Proposed Production/year	50,000 m <sup>3</sup> /annum		
19. Sanctioned Period of Mine lease	10 Years		
20. Production of mine/day	192.30 m <sup>3</sup> per day (538.44 MT per day, Bulk Density 2.8)		
21. Method of Mining	Open Cast, Semi-mechanized		
22. Drilling & Blasting	Yes (if Required)		
23. No. of Working days	260 Days		
24. Working hours/day	8 hours/day		
25. No. of Workers	32 (maximum local villagers)		
26. No. of vehicles movement/day	27 Units (Assumed Loading Capacity: 20 T/Unit)		
27. Type of Land	State Government Land		
28. Ultimate Depth of Mining	36meters (185mRL – 149mRL) <i>Water Table: 50 mbgl (100 mRL)</i>		
29. Nearest metalled road from site	NH-76, 2.5 km, SE		
30. Water Requirement	Source	Purpose	Avg. Demand/ Day
	Portable Tanker	Drinking & others @ 15lpcd/worker	32 workers x 15 lpcd = 480 Lit/ day
		Plantation @ 5 Lit/plant	120 sapling x 5 lpcd = 600 m Lit/ day
		Mine operation /others	-
			1.0 KLD



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		Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Approach Road Area = (1200 m Length x 7 m Width = 8400 m <sup>2</sup> )	8.4 KLD
	Total			10.48KLD
31. Name of QCI Accredited Consultant with QCI No and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till April 03/2021			
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	पत्रांक: 7398/ एम.एम.सी- 30/2020-21 , दिनांक: 16/12/2020 issued by Mining Officer Mahoba.			
34. Details of Lease Area in approved DSR	Page No. 84, Sr. No. 30 (Vacant Leases Table-Part-2)			
35. Total Proposed Project Cost	70.68 Lakhs			
36. Proposed CER cost	3.53 Lakhs (5% of the total Project Cost)			
37. Proposed EMP cost	16.89 Lakhs (Haulage Road repair, Dust Suppression, Plantation Post plantation care & Environmental Monitoring)			
38. Length and Width of Haul Road	Haul Road Length 1.2 km (length 1200 m & Width 7m)			
39. No. of Trees to be Planted	120 Trees in First Year			

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as 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-18**

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

**(Dr. Virendra Misra)**  
Member

**(Dr. Pramod Kumar Mishra)**  
Member

**(Dr. Ranjeet Kumar Dalela)**  
Member

**(Shri Meraj Uddin)**  
Member

**(Dr. Ajoy Kumar Mandal)**  
Member

**(Shri Rajiv kumar)**  
Member

**(Dr. Sarita Sinha)**  
Member

**(Dr. (Prof.) S. N. Singh)**  
Chairman

**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 law.
3. Any change in 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 site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours time.
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 mining operation. 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 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 on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral 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 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 dependant 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. 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. 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 ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case 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 lease 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 economically weaker section of society. Income generating

projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. The District Mining Officer should quarterly monitor compliance of 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 concerned Panchayat, ZilaParisad/ Municipal Corporation and Urban Local Body.
25. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
26. Waste water, from 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 expenses.
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 geo textile 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 total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
31. Possibility for adopting 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 separate account and should not be diverted for other purpose. 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 with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern 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 day for 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 the 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 hydro geological regime of the surrounding area shall not be affected.
37. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of 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 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. 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 concerned Panchayat, ZilaParishad/ 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 river bank or along road side (Avenue Plantation).
45. Debris from the river bed will be collected and stored at secured place and may be utilized for 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 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 statutory committee of National board for wild life 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 cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to 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 in 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 ponding effect and adverse environmental conditions for sand mining in 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 area is less than 05ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for 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 machine such as excavator, scooper etc. should not be employed for mining purpose. 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 precise area to control and avoid erosion of river bank. The mining is confined to 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 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 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 the purpose, schedule of health examination 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, 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 expiry of present mining plan.
19. 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 PM10, PM2.5, SO2 and NOx. 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. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
22. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
23. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
24. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
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 technique should be done regularly once in three years for monitoring the change of river course by 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 clearance letter will be marked to 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 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 environment 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 Environment (Protection) Act, 1986.
32. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
33. Waste water from potable use 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 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

**Annexure-3**

**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 prior to 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 prior to 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 approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable

for representative of the State Forest Department to assist the Expert Appraisal Committees.

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith 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 shifting of 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 whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in



the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. 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 clearly 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 requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of 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) 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 Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 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 plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 34) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 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 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 spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 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 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 clearly spelt 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 spelt out. The benefits of the Project shall clearly 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 to be properly referenced with index and continuous page numbering.
  - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
  - e) Where the documents provided are in a language other than English, an English translation should be provided.
  - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
  - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
  - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
  - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
  - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

**Annexure-4**

**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 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 required prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, 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 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. 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 up loaded on the company's website and also displayed at 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) dt. 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 ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as 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 trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask 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 day hours time only.
15. Provision shall be made for the housing the labourers 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 suitable 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 to the Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board regarding 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 separate account and shall not be diverted for other purpose. 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 of 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 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 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 environment 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 Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of 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 area is less than 05ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05ha, the E.C issued will stand revoked.
- 4.
5. This environmental clearance shall be subject to valid lease in favour of 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.
6. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
7. Explosive cannot be stored on the site.
8. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.

9. 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.
10. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as 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.
11. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
12. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
13. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for 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.
14. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
15. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only.
16. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
17. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The roads shall be black topped.
18. Rain water harvesting shall be undertaken to recharge the ground water source.
19. 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.
20. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
21. 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 geo textile 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.
22. 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. 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.
23. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for 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 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.
24. 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 ground water shall be set up and records maintained.

25. 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.
26. 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.
27. Corporate Environmental Responsibility (CER) shall be 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
28. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
29. 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 health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
30. The project proponent will ensure for providing employment to 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.
31. Top soil / 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 mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
32. Over burden (OB) shall be stacked at 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 maximum 10 m and 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 run off.
33. 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 six monthly basis.
34. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
35. Permission for abstraction of ground water 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.
36. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to 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.

37. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
38. 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 course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
39. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any.
40. 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.
41. Project Proponent shall explore the possibility of using solar energy where ever possible.
42. Commitment towards CER has to be followed strictly.
43. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
44. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
45. The blasting will be done only after getting the permission from the Mining Department.