

Minutes of Special SEAC-1 Meeting Dated 25/11/2021

The Special meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 25/11/2021. Following members participated in the meeting:

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| 1. | Shri Rajive Kumar, | Chairman, SEAC-1(virtually) |
| 2. | Dr. Ajai Mishra, | Member, SEAC-1(Virtually) |
| 3. | Dr. Brij Bihari Awasthi, | Member, SEAC-1(Virtually) |
| 4. | Shri Umesh Chandra Sharma, | Member, SEAC-1 (Virtually) |
| 5. | Dr. Ratan Kar, | Member, SEAC-1(Virtually) |

The Chairman welcomed the members to the Special SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer SEAC-1 brought to the notice of the SEAC-1 that the Department of Environment, Forest and Climate Change , UP vide letter no. 1229/81-7-2021-103(Parya/2007 TC dated 24.11.2021(copy enclosed) has desired as follows:- “ ...राज्य स्तरीय पर्यावरण प्रभाव प्राधिकरण में जनपद महोबा व अन्य जनपदों ने पत्थर खनन सम्बन्धी पर्यावरणीय अनापत्ति के लम्बित प्रकरणों के सम्बन्ध में दिनांक 25.11.2021 को विशेष बैठक आयोजित कर लम्बित प्रकरणों के निस्तारण के सम्बन्ध में नियमानुसार आवश्यक कार्यवाही सुनिश्चित कराते हुए कृत कार्यवाही से शासन को अविलम्ब अवगत कराने का कष्ट करें।”

In the light of the above letter dated 24.11.2021 agenda approved by MS, SEAC-1 is hereby put up for the consideration of SEAC-1. Nodal officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. Stone (Khanda, Boulder & (Gitti) Ballast) Mining at Gata No.- 989, Khand No.-20, Village- Makarbai, Mahoba., Leased Area - 0.809 ha. File NO. 6534/ 6172 /Proposal No. SIA/UP/MIN/ 67047/2021

The Secretariat informed the committee that the above project proposal has already been taken in 582nd SEAC-1 Meeting Dated 12/10/2021 and recommended to grant the environmental clearance for the project. Hence, no action is required in the matter at SEAC level.

2. Stone Mining at Arazi No. 712 (Khand 04) Village- Chhikhara, Tehsil- Sadar, Mahoba, Shri Devendra Singh, Area: 2.024 ha, File NO. 6652/Proposal No. SIA/UP/MIN/68797/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Terms of References is sought for Stone Mining at Arazi No. 712 (Khand 04) Village- Chhikhara, Tehsil- Sadar, Mahoba, Shri Devendra Singh, Area: 2.024 ha
2. **Salient features of the project as submitted by the project proponent:**

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| 1. The Terms of References is sought for Chhikhara Building Stone or Khanda, Boulder, Ballast (Gitty) at Arazi No. 712 (Khand 04) Area 2.024 ha in Village- Chhikhara, Tehsil- Sadar, District- Mahoba, U.P., of Prop. Shri Devendra Singh (Leased Area 2.024 ha) |
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2. On-line proposal No.	SIA/UP/MIN/68797/2021		
3. File No. allotted by SEIAA, UP	6652		
4. Name of Proponent	Prop: Shri Devendra Singh S/o Shri Mulayam Singh		
5. Full correspondence address of proponent and mobile No.	R/o Vivek Nagar, Kabrai, Tehsil- Sadar, District- Mahoba, (U.P.)		
	Mobile No-		
	Email-		
6. Name of Project	Chhikhara Building Stone or Khanda, Boulder, Ballast (Gitty) Mining project		
7. Project location (Plot/Khasra/Gata No.)	Arazi No. 712 (Khand 04)		
8. Name of River	-		
9. Name of Village	Chhikhara		
10. Tehsil	Sadar		
11. District	Mahoba		
12. Name of Minor Mineral	Building Stone or Khanda, Boulder, Ballast (Gitty)		
13. Sanctioned Lease Area (in Ha.)	2.024 ha		
14. Max & Min mRL within lease area	Max- 200 mRL & 187 mRL		
15. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°21'58.87"N	79°52'43.59"E
	B	25°21'58.16"N	79°52'48.63"E
	C	25°21'52.75"N	79°52'47.09"E
	D	25°21'53.92"N	79°52'43.61"E
16. Total Geological Reserves	9,99,423 Cum		
17. Total Mineable Reserves in LOI	1,30,000 Cum/year		
18. Total Proposed Production	1,30,000 Cum/year		
19. Proposed Production/year	1,30,000 cum/year		
20. Sanctioned Period of Mine lease	Maximum 10 years		
21. Production of mine/day	500		
22. Method of Mining	Open Cast Semi-mechanized Method		
23. No. of working days	260 days		
24. Working hours/day	8 hrs		
25. No. of workers	51		
26. No. of vehicles movement/day	70		
27. Type of Land	Government waste land		
28. Ultimate Depth of Mining	72		

29. Nearest metalled road from site	0.8 km	
30. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.51
	For toilets	0.51
	Suppression of dust	5.90
	Plantation	4.05
	Others (if any)	-
	Total	10.97
31. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022	
32. Any litigation pending against the project or land in any court	No	
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
34. Details of Lease Area in approved DSR	Yes, given in the DSR	
35. Proposed CER cost	Rs 2,15,000/-	
36. Proposed EMP cost	Capital Cost-Rs 24,28,800/- Recurring Cost- 4,08,000/-	
37. Length and breadth of Haul Road	Length: 416 km, width: 6 m	
38. No. of Trees to be Planted	2024 plants	

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-02

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at Annexure-1 to the minutes.

3. Stone Mining at Arazi No. 1819 Kha, Village- Makarbai, Tehsil-Sadar, Mahoba,U.P., Smt. Sunita Singh., Lease Area: 1.420 ha FileNO. 6592/Proposal No. SIA/UP/MIN/231041/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Green Enviro Engineers Pvt. Ltd.. Based on the documents submitted and

presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Building stone or Khanda-Boulder-Ballast (Gitty) Mining at Araj/Gata no.-1819kha, Village-Makarbai, Tehsil-Sadar, District-Mahoba, U.P., developed by Smt. Sunita Singh, (Leased Area-1.42 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/231041/2021		
2.	File No. allotted by SEIAA, UP	6592		
3.	Name of Proponent	Smt. Sunita Singh W/o Late Dinesh Singh		
4.	Full correspondence address of proponent and mobile no.	Smt. Sunita Singh		
		R/o Mu. Kidwainagar, Kabrai, Tehsil & District- Mahoba.		
		Mobile no.-		
		E-mail Id- sunita541818@gmail.com		
5.	Name of Project	Building stone or Khanda-Boulder-Ballast (Gitty) Mining		
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –1819kha, Village –Makarbai, Tehsil-Sadar, District–Mahoba, Uttar Pradesh		
7.	Name of River	NA		
8.	Name of Village	Makarbai		
9.	Tehsil	Sadar		
10.	District	Mahoba		
11.	Name of Minor Mineral	Building stone or Khanda-Boulder-Ballast (Gitty)		
12.	Sanctioned Lease Area (in Ha.)	1.42 ha.		
13.	Max. & Min mRL within lease area	Highest mRL is 160 & Lowest Is 154mRL		
14.	Pillar Coordinates (Verified by DMO)			
		Pillars	N	E
		A	25° 21'32.16"N	80°2'16.69"E

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		B	25° 21'31.79"N	80°2'17.63"E
		C	25° 21'29.37"N	80°2'16.95"E
		D	25° 21'28.64"N	80°2'18.21"E
		E	25° 21'26.38"N	80°2'17.16"E
		F	25° 21'26.65"N	80°2'16.40"E
		G	25° 21'25.03"N	80°2'14.80"E
		H	25° 21'25.97"N	80°2'15.38"E
		I	25° 21'30.64"N	80°2'15.03"E
15.	Total Geological Reserves	5,48,820 m ³		
16.	Total Mineable Reserve (as per Approve Mine Plan)	2,70,794 m ³		
17.	Total Proposed Production (In 5 Years)	213,000 m ³ (total in 5 Years)		
18.	Proposed Production /year	42,600 m ³ /year		
19.	Sanctioned Period of Mine lease	10 years		
20.	Production of mine/day	164 m ³ /day		
21.	Method of Mining	Opencast, Semi-Mechanized		
22.	No. of working days	260		
23.	Working hours/day	8		
24.	No. of worker	42		
25.	No. of vehicles movement/day	13 trips per day		
26.	Type of Land	Revenue land		
27.	Ultimate of Depth of Mining	Upto 124mRL		
28.	Nearest metalled road from site	0.07 km		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.42 KLD	
		Suppression of dust	0.28 KLD	
		Plantation	3.0 KLD	
		Others (if any)	-	

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		Total	3.7 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Green Enviro Engineers Pvt. Ltd. Certificate no. NABET/EIA/2124/IA0086 Valid Till September 20,2024	
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. 1133/MMC-30/2020-21	
33.	Details of Lease Area in approved DSR	1.42 ha.	
34.	Proposed CER cost	1.62 Lakhs	
35.	Proposed EMP cost	Total project cost-Rs 81 lakhs	
36.	Length and breadth of Haul Road	0.07 km & 6m	
37.	No. of Saplings to be Planted	1500	

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and

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Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.

7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

4. Stone Mining at Gata No.-959, Village- Tikamau, Tehsil- Sadar, Mahoba, Smt. Poonam Yadav, Area – 2.0240 ha, File NO. 6608/Proposal No. SIA/UP/MIN/ 232221/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Stone Mining at Gata No.-959, Village- Tikamau, Tehsil- Sadar, Mahoba, Smt. Poonam Yadav, Area – 2.0240 ha
2. Salient features of the project as submitted by the project proponent:

1.	The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 959, Village- Tikamau, Tehsil- Sadar, District- Mahoba, U.P. Smt. Poonam Yadav W/o Shri Samarjeet Yadav (Applied Area- 2.0240 ha.)	
2.	On-line proposal No.	SIA/UP/MIN/ 228833/2021
3.	File No. allotted by SEIAA, UP	6608
4.	Name of Proponent	Smt. Poonam Yadav W/o Shri Samarjeet Yadav
5.	Full correspondence address of proponent	R/o- Village-Nandana, Thana – Atrauliya Distt.- Azamgarh, U.P.
6.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project
7.	Project location (Plot/ Khasra /Gata No.)	Gata No.-959
8.	Name of Village	Tikamau
9.	Tehsil	Sadar
10.	District	Mahoba

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11.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))		
12.	Sanctioned Lease Area (in Ha.)	2.0240 ha.		
13.	Max.& Min mRL within lease area	206 mRL- 191 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 19' 00.765"	79° 58' 23.730"
		B	25° 18' 59.830"	79° 58' 26.548"
		C	25° 18' 56.774"	79° 58' 26.872"
		D	25° 18' 55.521"	79° 58' 24.668"
		E	25° 18' 56.364"	79° 58' 21.709"
		F	25° 18' 58.281"	79° 58' 20.855"
		G	25° 18' 59.883"	79° 58' 21.253"
15.	Total Geological Reserves	1519029 m ³		
16.	Total Mineable Reserves	683118 m ³		
17.	Total Proposed Production (in five year)	361790 m ³		
18.	Proposed Production / year	Year	Production	
		1 st	72358 m ³	
		2 nd	72358 m ³	
		3 rd	72358 m ³	
		4 th	72358 m ³	
		5 th	72358 m ³	
		Total	361790 m ³	
19.	Sanctioned Period of Mine lease	10 Years		
20.	Production of mine/day	241.19 m ³ (approx.)		
21.	Method of Mining	Opencast Semi-Mechanized		
22.	No.of working days	300 days		
23.	Working hours/day	8 Hours/Day		
24.	No.Of workers	37		

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25.	No.Of vehicle movement /day	20 (approx.)	
26.	Type of Land	Govt. revenue land	
27.	Ultimate Depth of Mining	9 meter (average)	
28.	Nearest metalled road from site	0.70 km	
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.40
		Suppression of dust	4.20
		Plantation	0.20
		Others(if any)	-----
		Total	4.80
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-13/01/2022	
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, Mahoba vide Letter No. 1468/MMC-30/ 2020-21 Dated 01/09/2021	
33.	Details of Lease Area in approved DSR	Page No.- 02, Sr. No.- 60	
34.	Proposed CER cost	1.50 Lakh	
35.	Proposed EMP cost	12.85 Lakh	
36.	Length and breadth of Haul Road.	Length- 0.70 km, Width- more than 6.0 m	
37.	No. of Trees to be Planted	180	

- 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.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- 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-04

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

5. Stone Mining at Gata No.-192, Village- Mochipura, Tehsil-Sadar, Mahoba., Shri Jyoti Sachan, Area – 4.048 ha , File N0. 6613/Proposal No. SIA/UP/MIN/ 232983/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Stone Mining at Gata No.-192,Village- Mochipura,

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Tehsil-Sadar, Mahoba., Shri Jyoti Sachan, Area – 4.048 ha

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

1.	The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.-192, Village- Mochipura, Tehsil- Sadar, District- Mahoba, U.P. M/S J. S. ENTERPRISES, PROP.- Jyoti Sachan D/O Shri Ashok Sachan (Applied Area- 4.048 ha.)		
2.	On-line proposal No.	SIA/UP/MIN/232983/2021	
3.	File No. allotted by SEIAA, UP	6613	
4.	Name of Proponent	M/S J. S. ENTERPRISES, Prop.- Jyoti Sachan D/O Shri Ashok Sachan	
5.	Full correspondence address of proponent	R/o- 51K, Kaloliteer, Kotwali – Sadar, Distt. Hamirpur, U.P.	
6.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project	
7.	Project location (Plot/ Khasra /Gata No.)	Gata No.-192	
8.	Name of Village	Mochipura	
9.	Tehsil	Sadar	
10.	District	Mahoba	
11.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))	
12.	Sanctioned Lease Area (in Ha.)	4.048 ha.	
13.	Max.& Min mRL within lease area	180 mRL- 164 mRL	
14.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N) Longitude (E)
		A	25°23'21.84"N 79°59'40.02"E
		B	25°23'21.84"N 79°59'44.09"E
		C	25°23'20.35"N 79°59'49.45"E
		D	25°23'16.97"N 79°59'49.45"E
		E	25°23'16.00"N 79°59'47.31"E
		F	25°23'17.75"N 79°59'39.09"E
15.	Total Geological Reserves	2991011 m ³	
16.	Total Mineable Reserves	1558563 m ³	
17.	Total Proposed Production (in five year)	1012000 m ³	
18.	Proposed Production / year	Year	Production

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		1 st	202400 m ³	
		2 nd	202400 m ³	
		3 rd	202400 m ³	
		4 th	202400 m ³	
		5 th	202400m ³	
		Total	1012000 m ³	
19.	Sanctioned Period of Mine lease	10 Years		
20.	Production of mine/day	674.67 m ³ (approx.)		
21.	Method of Mining	Opencast Semi-Mechanized		
22.	No.of working days	300 days		
23.	Working hours/day	8 Hours/Day		
24.	No.Of workers	45		
25.	No.Of vehicle movement /day	56 (approx.)		
26.	Type of Land	Govt. revenue land		
27.	Ultimate Depth of Mining	18 meter (average)		
28.	Nearest metalled road from site	0.20 km		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.45	
		Suppression of dust	1.20	
		Plantation	0.40	
		Others(if any)	-----	
		Total	2.05	
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-13/01/2022		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate	DMO, Mahoba vide Letter No. 8091/MMC-30/ 2020-		

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	Verified by Mining Officer	21 Dated 10/02/2021
33.	Details of Lease Area in approved DSR	Page No.- 82, Sr. No.- 04
34.	Proposed CER cost	1.60 Lakh
35.	Proposed EMP cost	11.13 Lakh
36.	Length and breadth of Haul Road.	Length- 0.20 km, Width- more than 6.0 m
37.	No. of Trees to be Planted	180

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if

applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.

9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

6. Stone Mining at Araj No.-989, Khand No.-18,, Village: Makarbai, Disreict Mahoba, Shri Fazal Uddin Rahmani., Area –1.012 ha , File N0. 6615/ 6167/Proposal No. SIA/UP/MIN/ 68043/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Stone Mining at Araj No.-989, Khand No.-18,, Village: Makarbai, Disreict Mahoba, Shri Fazal Uddin Rahmani., Area –1.012 ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 53/Parya/SEAC/6167/2019, dated: 10/06/2021
3. Salient features of the project as submitted by the project proponent:

1.	The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 989 Khand No.-18, Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P. Shri Faiyaz Uddin Rahmani (Applied Area- 1.619 ha.),	
2.	The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 53/Parya/SEAC/6167/2019, dated: 10/06/2021	
3.	The public hearing was organized on	20/09/2021
4.	Final EIA report submitted on	06/10/2021
5.	On-line proposal No.	SIA/UP/MIN/68043/2021
6.	File No. allotted by SEIAA, UP	6615 / 6167
7.	Name of Proponent	Shri Fazal Uddin Rahmani S/o Shri Faiyaz Uddin Rahmani
8.	Full correspondence address of proponent	R/o- Khaipar, Banda, Distt.- Banda, U.P.
9.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project
10.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 989 Khand No.-18
11.	Name of Village	Makarbai
12.	Tehsil	Mahoba
13.	District	Mahoba

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14.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))		
15.	Sanctioned Lease Area (in Ha.)	1.619 ha.		
16.	Max.& Min mRL within lease area	196 mRL- 186 mRL		
17.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25°19'54.116"N	79° 59'10.082"E
		B	25°19'56.849"N	79° 59'13.075"E
		C	25°19'53.169"N	79° 59'17.434"E
		D	25°19'52.081"N	79° 59'17.809"E
18.	Total Geological Reserves	1524012 m ³		
19.	Total Mineable Reserves	401964 m ³		
20.	Total Proposed Production (in five year)	300000 m ³		
21.	Proposed Production / year	Year	Production	
		1 st	60000 m ³	
		2 nd	60000 m ³	
		3 rd	60000 m ³	
		4 th	60000 m ³	
		5 th	60000 m ³	
		Total	300000 m ³	
22.	Sanctioned Period of Mine lease	10 Years		
23.	Production of mine/day	200 m ³ (approx.)		
24.	Method of Mining	Opencast Semi-Mechanized		
25.	No.of working days	300 days		
26.	Working hours/day	8 Hours/Day		
27.	No.Of workers	35 (approx.)		
28.	No.Of vehicle movement /day	20 (approx.)		
29.	Type of Land	Govt. revenue land		
30.	Ultimate Depth of Mining	12 meter (average)		

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31.	Nearest metalled road from site	0.40 km	
32.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.35
		Suppression of dust	2.40
		Plantation	0.20
		Others(if any)	-----
		Total	2.95
33.	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-13/01/2022	
34.	Any litigation pending against the project or land in any court	No	
35.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7341/MMC-30/2020-21, Dated 09/12/2020	
36.	Details of Lease Area in approved DSR	Page No.-03, S.No.- 76	
37.	Proposed CER cost	1.35 Lakh	
38.	Proposed EMP cost	10.83 Lakh	
39.	Length and breadth of Haul Road.	Length- 0.40 km, Width- more than 6.0 m	
40.	No. of Trees to be Planted	162	

4. 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.
5. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
6. 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.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

7. Stone Mining at Gata No.-1097, Khand No.- 07, at Village- Utayan, Mahoba, Shri Vipul Kumar Aggrawal., Area-0.809 ha. File N0. 6641/5919/Proposal No. SIA/UP/MIN/ 68529/2020

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Stone Mining at Gata No.-1097, Khand No.- 07, at Village- Utayan, Mahoba, Shri Vipul Kumar Aggrawal., Area-0.809 ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 842/Parya/SEAC/5919/2019, dated: 24/03/2021
3. Salient features of the project as submitted by the project proponent:

1.	The environmental clearance is sought for "Building Stone (Khanda, Boulder, Bailast (Gitti)" Project at Gata No.-1097 Khand No.-07, Village- Utayan, Tehsil- Mahoba, District- Mahoba, U.P. Shri Vipul Kumar Agrawal S/o Shri Anil Kumar Agrawal, (Applied Area- 0.809 ha.),
2.	The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 842/Parya/SEAC/5919/2019, dated: 24/03/2021

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3.	The public hearing was organized on	05/10/2021		
4.	Final EIA report submitted on	20/10/2021		
5.	On-line proposal No.	SIA/UP/MIN/68529/2020		
6.	File No. allotted by SEIAA, UP	6641/5919		
7.	Name of Proponent	Shri Vipul Kumar Agrawal S/o Shri Anil Kumar Agrawal		
8.	Full correspondence address of proponent and mobile no.	Murli Bhawan, Chhoti Bazar, Banda, Distt.- Banda, U.P.		
9.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti) Mining Project		
10.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 1097 Khand - 07		
11.	Name of River	NA		
12.	Name of Village	Utiyan		
13.	Tehsil	Mahoba		
14.	District	Mahoba		
15.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti)		
16.	Sanctioned Lease Area (in Ha.)	0.809 ha.		
17.	Max.& Min mrl within lease area	210.0 mRL- 162.0 mRL		
18.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25 ^o 24' 27.154"	79 ^o 56' 10.524"
		B	25 ^o 24' 27.380"	79 ^o 56' 09.171"
		C	25 ^o 24' 19.864"	79 ^o 56' 08.588"
		D	25 ^o 24' 19.423"	79 ^o 56' 09.817"
19.	Total Geological Reserves	643275 m ³		
20.	Total Mineable Reserves	161900 m ³		
21.	Total Proposed Production (in five year)	115600 m ³		
22.	Proposed Production / year	Year	Production	
		1 st	32360 m ³	
		2 nd	32360 m ³	
		3 rd	32360 m ³	
		4 th	9260 m ³	
		5 th	9260 m ³	
		6 th	9260 m ³	

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		7 th	9260 m ³	
		8 th	9260 m ³	
		9 th	9260 m ³	
		10 th	9260 m ³	
		Total	161900 m ³	
23.	Sanctioned Period of Mine lease	10 Year		
24.	Production of mine/day	107.86 m ³ (maximum)		
25.	Method of Mining	Opencast Semi-Mechanized		
26.	No.of working days	300 days		
27.	Working hours/day	8 Hours/Day		
28.	No.Of workers	35 (average)		
29.	No.Of vehicle movement /day	11 (average)		
30.	Type of Land	Govt. Land		
31.	Ultimate Depth of Mining	06 meter (average)		
32.	Nearest metalled road from site	0.40 km		
33.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.35	
		Suppression of dust	2.40	
		Plantation	0.10	
		Others(if any)	-----	
		Total	2.85	
34.	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- January 13, 2022		
35.	Any litigation pending against the project or land in any court	No		
36.	Details of 500 m Cluster Map & certificate	DMO, Mahoba vide Letter No. 4942/MMC-30/2020-		

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	Verified by Mining Officer	21, Dated 24 th August, 2020
37.	Details of Lease Area in approved DSR	S.No.- 90
38.	Proposed CER cost	1.35 Lakh
39.	Proposed EMP cost	7.49 Lakh
40.	Length and breadth of Haul Road.	Length- 0.40 km, Width- more than 6.0 m
41.	No. of Trees to be Planted	90

4. 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.
5. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
6. 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.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.

8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

8. Proposed of " Building Stone (Khanda,Gitti, Boulder) Mining" Project at Araj No.-1097, Khand No.- 08, at Village-Utiya, TehSil- Sadar, Mahoba,.Shri SadhusharanVishwakarma, Area-0.809 ha. File NO. 6649/ 6022/Proposal No. SIA/UP/MIN/ 68555/2020

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Proposed of " Building Stone (Khanda,Gitti, Boulder) Mining" Project at Araj No.-1097, Khand No.- 08, at Village-Utiya, TehSil- Sadar, Mahoba,.Shri SadhusharanVishwakarma, Area-0.809 ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no: 834/parya/SEAC/6022/2019 dated 22nd March, 2021
3. Salient features of the project as submitted by the project proponent:

1. The environmental clearance is sought for Utiya Building Stone or Khanda, Boulder, Ballast (Gitti) Mining project Mining project at Arazi No 1097 (Khand- 08) , Village-Utiya, Tehsil- Sadar, District- Mahoba, U.P., of Prop. Shri Sadhusharan Vishwakarma, (Leased Area 0.809 ha)	
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no: 834/parya/SEAC/6022/2019 dated 22nd March, 2021	
3. The public hearing was organized on	02-07-2021
4. Final EIA report submitted on	22.10.2021
5. On-line proposal No.	SIA/UP/MIN/68555/2020
6. File No. allotted by SEIAA, UP	6649/6022
7. Name of Proponent	Prop: Shri Sadhusharan Vishwakarma
8. Full correspondence address of proponent and mobile No.	R/o Village- Kusauda, Post- Suriyawa, Tehsil- Bhadohi, District- Santravidas Nagar, (U.P.)
	Mobile No-

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	Email-		
9. Name of Project	Utiya Building Stone or Khanda, Boulder, Ballast (Gitty) Mining project		
10. Project location (Plot/Khasra/Gata No.)	Arazi No 1097 (Khand- 08)		
11. Name of River	-		
12. Name of Village	Utiya		
13. Tehsil	Sadar		
14. District	Mahoba		
15. Name of Minor Mineral	Building Stone or Khanda, Boulder, Ballast (Gitty)		
16. Sanctioned Lease Area (in Ha.)	0.8090 ha		
17. Max & Min mRL within lease area	Max- 186 mRL and Min- 162 mRL		
18. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°24'26.69"N	79°56'13.74"E
	B	25°24'26.83"N	79°56'12.45"E
	C	25°24'19.60"N	79°56'11.69"E
	D	25°24'19.56"N	79°56'13.25"E
19. Total Geological Reserves	5,56,654.5 cum		
20. Total Mineable Reserves in LOI	32,360 cum		
21. Total Proposed Production	1,61,800 cum		
22. Proposed Production/year	32,360 cum		
23. Sanctioned Period of Mine lease	Maximum 20 years		
24. Production of mine/day	124.46		
25. Method of Mining	Open Cast Semi-mechanized Method		
26. No. of working days	260 days		
27. Working hours/day	8 hrs		
28. No. of workers	52		
29. No. of vehicles movement/day	18		
30. Type of Land	Government waste land		
31. Ultimate Depth of Mining	48		
32. Nearest metalled road from site	.50 km		
33. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.52
	Suppression of dust		6.4
	Plantation		1.168

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	Toilet	0.52
	Total	8.608
34. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022	
35. Any litigation pending against the project or land in any court	No	
36. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
37. Details of Lease Area in approved DSR	Yes, given in the DSR	
38. Proposed CER cost	Rs 1,65,000/-	
39. Proposed EMP cost	EMP including CER: Rs. 9.74Lakh (Capital cost) Rs. 2.45 Lakh (Recurring cost)/annum	
40. Length and breadth of Haul Road	Length: 0.5 km, width: 6 m	
41. No. of Trees to be Planted	809 plants	

4. 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.
5. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
6. 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.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.

6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

9. Stone Mining at Gata No.-967, Khand No.- 01, at Village- Kabrai, Tehsil-Sadar, Mahoba, U.P. Smt. Ratna Jadaun., Area-1.315 ha. File NO. 6091/Proposal No. SIA/UP/MIN/ 59537/2020

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P.) . Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environment Clearance is sought for Stone Mining at Gata No.-967, Khand No.- 01, at Village- Kabrai, Tehsil-Sadar, Mahoba, U.P. Smt. Ratna Jadaun., Area-1.315 ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no: 735/parya/SEAC/6091/2019 dated 15nd Jan, 2021. P.H was conducted on 16-07-2021
3. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/59537/2020
2. File No. allotted by SEIAA, UP	6091
3. Name of Proponent	Smt. Ratna Jadaun, W/o-Shri Virendra Singh Jadaun,
4. Full correspondence address of proponent and mobile no.	R/o-E-7/M-708, Arera Colony, Bhopal (M.P.)
5. Name of Project	Mining of Minor Mineral
6. Project location (Plot/Khasra/Gata No.)	Gata No. 967 Khand No.1
7. Name of River	NA
8. Name of Village	Kabrai
9. Tehsil	Sadar
10. District	Mahoba (U.P.)
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Balast (Gitti) Mininig project
12. Sanctioned Lease Area (in Ha.)	1.315 ha
13. Mineable Area (in Ha.)	1.135 ha.(Safety margin 0.18 Ha)
14. Zero level mRL	163 mRL

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15. Max. & Min mrl within lease area	The highest and lowest mRL is 156.95mRL and 117.10mRL towards North direction.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25 ⁰ 24' 01.00"	79 ⁰ 59' 34.12"
	B	25 ⁰ 23' 58.41"	79 ⁰ 59' 36.84"
	C	25 ⁰ 24' 2.30"	79 ⁰ 59' 38.91"
	D	25 ⁰ 24' 2.30"	79 ⁰ 59' 40.69"
	E	25 ⁰ 24' 4.51"	79 ⁰ 59' 38.55"
17. Total Geological Reserves	5,98,282 m ³ /year		
18. Sanctioned Quantity in LOI	39,450 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	1,97,250 m ³ in five years		
20. Proposed Production/year	39,450 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years		
22. Production of mine/day	157.8 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	Approximately 32 workers per day		
27. No. Of vehicles movement/day	Approximately 12 – 14 movements per day.(Vehicles such as Truck dumper/tipper, Tractor Trolleys, etc. will be in use)		
28. Type of Land	Government (stony scrub)		
29. Ultimate Depth of Mining	6.0 meter		
30. Nearest metalled road from site	NH-76 at 2.0 km towards SE- direction		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.42 KLD
	Suppression of dust		4.32 KLD
	Plantation		0.66 KLD
	Others (if any)		-
	Total		5.40 KLD approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1922/RA 0200 and valid up to 30/12/2022		
33. Any litigation pending against the project or land in any court	NO		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 4557/M.M.C-30/2020-21, on Dated 16/07/2020		
35. Details of Lease Area in approved DSR	Yes(In DSR - Page No. 86, Sr. No- 75)		
36. Proposed CER cost	Rs 28,08,875 (more than 2% of the total Project cost)		
37. Proposed EMP cost/ Total Project cost	Rs. 98,00,000/-		
38. Length and breadth of Haul Road	180.0 m length and 6.0 m width		
39. No. of Trees to be Planted	1315		

4. 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.
5. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
6. 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.

7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-09

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

Nodal SEAC-1

Minutes of Special SEAC-1 Meeting Dated 25/11/2021

(Dr. Ajai Mishra)
Member

(Om Prakash Srivastava)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra
Sharma)
Member

(Dr. Ratan Kar)
Member

(Rajive Kumar)
Chairman

Standard Terms of Reference for the Mining Project prescribed by MoEF&CC, GoI

- 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) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon

season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

- 22) Air quality modeling should be carried out 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.
- 23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.
- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) 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.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) 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.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.

- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) 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.
- 45) 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-2

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.

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

B. Specific Conditions:

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.

9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company/project proponent regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt

material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.

23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining

operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.

35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done strictly as per the DGMS norms.