

Minutes of 560th SEAC-1 Meeting Dated 17/08/2021

The 560th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 17/08/2021. Following members participated in the meeting:

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

The Chairman welcomed the members to the 559th SEAC-1 meeting. Nodal officer informed that agenda has been approved by Member Secretary/Director (Environment). Nodal officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. Sand Stone Mining at Arazi No.-02, Village-Saria, Tehsil-Chunar, Mirzapur, U.P., M/s Vindhywashini Enterprises Area -1.21 ha File No. 5045 Proposal No. SIA/UP/MIN/ 42805/2019

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 environmental clearance is sought for Sand Stone Mining at Arazi No.-02, Village-Saria, Tehsil-Chunar, Mirzapur, U.P., M/s Vindhywashini Enterprises Area -1.21 ha M/s Vindhywashini Enterprises Prop. Shri Rajendra Prasad Pathak S/o-Late Shri Ramruchi Pathak.
2. The terms of reference in the matter were issued by SEIAA, U.P. Ref. No.:459/Parya/SEAC/5047/2019 Dated 13 December 2020. The public hearing was organized on 19.02.2020. Final EIA report submitted on 09.02.2021
3. **Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	M/s Vindhywashini Enterprises Prop. Shri Rajendra Prasad Pathak S/o-Late Shri Ramruchi Pathak		
2. Full correspondence address of proponent and mobile no.	R/o- S. Mudiladih, Thana-Ghorawal, District-Sonebhadra (U.P.)		
3. Name of Project	Building Stone (Sand Stone) Mining Project		
4. Project location (Plot/Khasra/Gata No.)	Arazi No. 02		
5. Name of River	NA		
6. Name of Village	Saria		
7. Tehsil	Chunar		
8. District	Mirzapur (U.P)		
9. Name of Minor Mineral	Building Stone (Sand Stone) Mining Project		
10. Sanctioned Lease Area (in Ha.)	1.21 Ha		
11. Mineable Area (in Ha.)	1.21 Ha		
12. Zero level mRL	NA		
13. Max. & Min mRL within lease area	Maximum mRL 108 mRL Minimum mRL 103.10 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 2.529'N	82° 59.068'E
	B	25° 2.500'N	82° 59.167'E
	C	25° 2.445'N	82° 59.085'E

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	D	25° 2.463'N	82° 59.112'E
	E	25° 2.481'N	82° 59.139'E
	F	25° 2.509'N	82° 59.136'E
	G	25° 2.519'N	82° 59.102'E
	H	25° 2.500'N	82° 59.074'E
	I	25° 2.472'N	82° 59.080'E
15. Total Geological Reserves	380090 m³/year		
16. Total Mineable Reserves	12100 m³ per year as per LOI		
17. Total Proposed Production (in five years)	60500 m³		
18. Proposed Production/year	12100 m³ per year		
19. Sanctioned Period of Mine lease	10 Year or maximum 20 Years		
20. Production of mine/day	40.33 m³/day		
21. Method of Mining	Open cast, Manual, mechanized		
22. No. of working days	300		
23. Working hours/day	8 hours/day		
24. No. Of workers	21		
25. No. Of vehicles movement/day	3-4 Vehicles movement/day		
26. Type of Land	Building Stone (Sand Stone)Mining Project		
27. Ultimate Depth of Mining	6 m		
28. Nearest metalled road from site	NH-7 at 12.0 km towards North West direction.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.31 KLD	
	Suppression of dust	4.80 KLD	
	Plantation	0.56 KLD	
	Others (if any)	-	
	Total	5.67 KLD (6.0 KLD approx.)	
30. Name of QCI Accredited Consultant with QCI NoAnd period of validity.	M/s Environmental Research and Analysis, Lucknow (U.P)Certificate No. NABET/EIA/1922/RA0200 and valid up to 30 December 2020		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 595, Dated 29/6/2019		
33. Details of Lease Area in approved DSR			
34. Proposed CER cost	1,13,256 (3% of the total Project cost)		
35. Proposed EMP cost/ Total Project cost	Rs. 37,75,200		
36. Length and breadth of Haul Road	400.0 m length and 6.0 m width		
37. No. of Trees to be Planted	140		

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

RESOLUTION AGAINST AGENDA NO-01

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-1 to the minutes. The committee also stipulated the following specific conditions:

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
 2. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
 3. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
 4. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
 5. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
 6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
 7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
 8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
 9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
 11. The project proponent should explore the possibilities of rainwater harvesting.
2. **Soil Excavation at Gata No.-33, 575, 576, 585, 586, VillageDaniyalganj, Tehsil-Sadar, District-Hardoi., Shri Ashish Kumar Pandey, Area-0.853 Ha File No6337Proposal No. SIA/UP/MIN/209153/2021**

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 environmental clearance is sought for Soil Excavation at Gata No.-33, 575, 576, 585, 586, VillageDaniyalganj, Tehsil-Sadar, District-Hardoi. Shri Ashish Kumar Pandey S/o Shri Anil Kumar Pandey, Area-0.853

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

1. Name of Proponent	Proponent- Shri Ashish Kumar Pandey S/o Shri Anil Kumar Pandey
2. Full correspondence address of proponent	R/o- Anang Behta, Tehsil-Sadar, District-Hardoi (U.P.)
3. Name of Project	Mining of Minor Mineral (Soil)
4. Project location (Plot/Khasra/Gata No. / khand No.)	Gata No. 33,575,576,585,586
5. Name of River	NA
6. Name of Village	Daniyalganj

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7. Tehsil	Sadar			
8. District	Hardoi, Uttar Pradesh.			
9. Name of Minor Mineral	Ordinary Soil Excavation Project			
10. Sanctioned Lease Area (in Ha.)	0.853 Ha.			
11. Mineable Area (in Ha.)	0.7677 Ha.			
12. Zero level mRL	NA			
13. Max. & Min mRL within lease area	143 mRL			
14. Pillar Coordinates (Verified by DMO)	Gata NO.	Points	GPS Coordinates	
			Latitude	Longitude
	575	A	27°27'35.73"N	80° 7'42.22"E
		B	27°27'36.90"N	80° 7'42.83"E
		C	27°27'36.79"N	80° 7'43.37"E
		D	27°27'37.27"N	80° 7'43.81"E
		E	27°27'36.56"N	80° 7'45.47"E
		F	27°27'36.26"N	80° 7'45.23"E
		G	27°27'36.36"N	80° 7'44.86"E
		H	27°27'35.38"N	80° 7'43.12"E
	576	A	27°27'31.48"N	80° 7'43.42"E
		B	27°27'32.77"N	80° 7'44.21"E
		C	27°27'32.96"N	80° 7'43.82"E
		D	27°27'33.34"N	80° 7'44.65"E
		E	27°27'34.26"N	80° 7'45.42"E
		F	27°27'34.01"N	80° 7'46.00"E
		G	27°27'31.01"N	80° 7'44.49"E
	586	A	27°27'29.02"N	80° 7'39.76"E
		B	27°27'28.47"N	80° 7'40.97"E
		E	27°27'27.87"N	80° 7'40.30"E
		F	27°27'28.11"N	80° 7'38.75"E
	585	E	27°27'27.87"N	80° 7'40.30"E
B		27°27'28.47"N	80° 7'40.97"E	
C		27°27'27.64"N	80° 7'42.63"E	
D		27°27'27.18"N	80° 7'42.39"E	
33	A	27°27'37.18"N	80° 7'26.52"E	
	B	27°27'36.84"N	80° 7'27.28"E	
	C	27°27'36.28"N	80° 7'28.02"E	
	D	27°27'36.91"N	80° 7'26.37"E	
15. Total Geological Reserves	15,354 m ³			
16. Total Mineable Reserves in LOI	14,500 m ³ in Six months			
17. Total Proposed Production	14,500 m ³ in Six months			
18. Proposed Production/year	2,417 m ³ / month			
19. Sanctioned Period of Mine lease	6 months			
20. Production of mine/day	80.6 m ³ / day			
21. Method of Mining	Open Cast, Manual & Semi Mechanized and loading with the help of 1 excavator.			
22. No. of working days	180 days			
23. Working hours/day	8 hours/day			
24. No. Of workers	Approximately 18 workers			
25. No. Of vehicles movement/day	Approximately 06 - 07 movements per day			
26. Type of Land	Ordinary Soil Excavation Project			

27. Ultimate Depth of Mining	2.1 meter	
28. Nearest metalled road from site	SH- 25 is located at 2.79 km towards West direction.	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.28
	Suppression of dust	5.16
	Plantation	0.008
	Others (if any)	-
	Total	5.45 KLD Approx.
30. Name of QCI Accredited Consultant with QCI No And period of validity.	M/s Environmental Research and Analysis, Lucknow(U.P)Certificate No. NABET/ EIA/ 1922/RA 0200Valid up to 30 December2022	
31. Any litigation pending against the project or land in any court	NO	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 21/khanan/2021 on dated 17/04/2021	
33. Details of Lease Area in approved DSR	NA	
34. Proposed EMP cost	Rs. 2,01,260/-	
35. Proposed EMP cost/ Total Project cost	Rs. 18,00,000/-	
36. Length and breadth of Haul Road	215 m length and 6 m width	
37. No. of Trees to be Planted	8	

1. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
2. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
3. There is no litigation pending in any court regarding this project.
4. 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 grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 to these minutes regarding the Soil Earth mining project. The committee also stipulated the following specific conditions:

1. Plantation of trees should be of indigenous species and may be as per the consultation of the local district Forest Officer.

3. Stone Mining at Gata No.-87, Khand No.02, Village-Dasna, Moth, Jhansi., Shri AkhilPratap Singh, Area-0.809 ha., File No. 6340 ProposalNo SIA/UP/MIN/ 206207/2021

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

1. The environmental clearance is sought for Stone Mining at Gata No.-87, Khand No.02, Village-Dasna, Moth, Jhansi., Shri Akhil Pratap Singh S/o Shri Raj Bahadur Singh, Area-0.809 ha.
2. **Salient features of the project as submitted by the project proponent:**

3. Name of Proponent	Shri Akhil Pratap Singh S/o Shri Raj Bahadur Singh
4. Full correspondence address of proponent and mobile no.	R/o – Village: Chhappar, Post: Bharosa Tehsil: Moth, District: Jhansi (U.P). Pin code: 284303
5. Name of Project	Building Stone“Khandas, Gitti, Boulder.” Mining Project

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6. Project location (Plot/Khasra/Gate No.)	Gata No - 87 (Khand No - 02)		
7. Name of Village	Dasna		
9. Tehsil	Moth		
10. District	Jhansi		
11. Name of Minor Mineral	Building Stone		
12. Sanctioned Lease Area (in Ha.)	0.809 Ha		
13. Altitude of the Area	The Highest Point: 200.00 mRL,N The Lowest Point: 190.0 0 mRL,S		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25°43'17.60"N	78°46'59.66"E
	B	25°43'18.22"N	78°47'04.45"E
	C	25°43'16.32"N	78°47'05.38"E
	D	25°43'15.77"N	78°47'00.59"E
15. Total Geological Reserves	288784.5 m ³		
16. Total Mineable Reserves	107076 m ³		
17. Total Proposed Production (in five year)	40,450 m ³		
18. Proposed Production/year	8090 m ³ per annum		
19. Sanctioned Period of Mine lease	20 Years		
20. Production of mine/day	31.11 m ³ /day (31.11 m ³ /day x 2.8 (Bulk Density) = 87.11 T/day)		
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	27		
26. No. of vehicles movement/day	9 Units (Assumed Loading Capacity: 10 Tonnes/Unit)		
27. Type of Land	State Government Land		
28 Ultimate Depth of Mining	12 m (200mRL – 188 mRL) (source: Approved Mining Plan)		
29. Nearest metalled road from site	1.14 km which is further connected to SH-45		
30. Water Requirement	Source	Purpose	Avg. Demand/ Day
	Portable Tanker	Drinking & others @ 15lpcd/worker	27workers x 15 lpcd = 405 lit/day
		Plantation @ 2.5 Lit/plant	160 Trees x 2.5 liters = 400 Lit/day
		Mine operation /others	-
		Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Haul Road Area = (1140m Length x 7m Width = 7980

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			m ²) x 1 lit/sq.m = 7980 lit x 1 (twice in a day) = 15,960 lit/day	
	Total			17.765 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 Sept 29/2021			
32. Any litigation pending against the project or hand in any court	No			
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 1894/30 MMC/2020-21 Dated 12/01/2021			
34. Details of Lease Area in approved DSR	-			
35. Total Proposed Project Cost	Rs. 68.25 Lakhs			
36. Proposed CER cost	Rs 3.41 Lakhs (5% of the total Project Cost)			
37. Proposed EMP cost	Rs 30.49 Lakhs			
38. Length and Width of Haul Road	Length 1.14 km & Width 7 m			
39. No. of Trees to be Planted	160 Trees			

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

RESOLUTION AGAINST AGENDA NO-03

Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining 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-1 to the minutes. The committee also stipulated the following specific conditions:

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

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

4. Sand/ Morrum Mining from Betwa River Bed at Gata No.- 314, Khand No.-01, Village-Manikpura, Tehsil-Moth, Jhansi., Shri Chandra Pal Singh, Area: 4.75 ha File No. 6342 Proposal No. SIA/UP/MIN/ 62303/2021

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

1. The environmental clearance is sought for Sand/ Morrum Mining from Betwa River Bed at Gata No.- 314, Khand No.-01, Village-Manikpura, Tehsil-Moth, Jhansi., Shri Chandra Pal Singh, Area: 4.75 ha
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	Shri. Chandra Pal Singh S/o Shri Bhopal Singh		
2.	Full correspondence address of proponent and mobile no.	Krishna Nagar Colony, Khera Gadiyagaon, Tehsil & District: Jhansi (U.P.)		
3.	Name of Project	Sand/Morrum Mining Project		
4.	Name of the river	Betwa River		
5.	Project location (Plot/Khasra/Gate No.)	Gata No – 314, Khand No.- 01		
6.	Name of Village	Manikpura		
7.	Tehsil	Moth		
8.	District	Jhansi(U.P)		
9.	Name of Minor Mineral	River Bed Material (Sand/Moram)		
10.	Sanctioned Lease Area (in Ha.)	4.75 Ha		
11.	Mineable/Workable Area (in Ha.)	3.529 Ha		
12.	Altitude of the Area	The Highest Point at 162.0 mRL towards West The Lowest Point at 159.0 mRL towards East		
13.	Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
		A	25°39'4.99"N	78°58'40.82"E
		B	25°39'9.27"N	78°58'43.45"E
		C	25°39'23.78"N	78°58'36.06"E
		D	25°39'20.91"N	78°58'40.71"E
		E	25°39'10.55"N	78°58'46.43"E
		F	25°39'3.30"N	78°58'43.62"E
14.	Total Geological Reserves	40,770 m ³		

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15.	Total Mineable Reserves	23,750 m ³			
16.	Total Proposed Production (in five year)	1,18,750 m ³			
17.	Proposed Production/year	23,750 m ³ per annum			
18.	Sanctioned Period of Mine lease	5Years			
19.	Production of mine/day	91.346 m ³ /day (255.76 T/day) Bulk Density =2.8			
20.	Method of Mining	Method	Technology	Tools/ machine	
		Bar Scrapping	OTFM (Semi-Mechanized)	Bar Scrapper, Loader	
21.	Drilling & Blasting	Yes (if required)			
22.	No. of Working days	260 Days			
23.	Working hours/day	8 hours/day			
24.	No. of Workers	52			
25.	No. of vehicles movement/day	26 Units (Assumed Loading Capacity: 10 Tonnes/Unit)			
26.	Type of Land	State Government Land			
27.	Ultimate Depth of Mining	0.56 m (162mRL – 161.44mRL) (Source: Approved Mining Plan)			
28.	Nearest metalled road from site	1500 m, North from the project site			
29.	Water Requirement	Source	Purpose	Detail	Avg. Demand/ Day
		Portable Tanker	Drinking & others @15lpcd/worker	52 workers x 15 lpcd= 780 Lit/day	0.780 KLD
			Plantation @5 Lit/plant	950 Trees x 2.5 l/day= 2375 Lit/day	2.375 KLD
			Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (1500 m Length x 7 m Width = 10500 m ²) x 1 l/Sq.m= 10500 Lit/day x 2 =10500 Lit/day (twice a day)	10.5 KLD
		Total			13.65 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Globus Environment Engineering Services, Certificate No. NABET/EIA/1821/IA0034, Extension Validity till September 29/2021			
31.	Any litigation pending against the project or hand in any court	No			
32.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 2197/30एम. एम. सी/2020-21, Date - 19/02/2021.			
33.	Details of Mining Lease Area in	Total Sanctioned Mine Lease Area (ha)		4.75 Ha	

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	Approved Mining Plan	Area comes under SSMMG	0.174 Ha
		Workable area(Ha)	3.529 Ha
		Safety zone	1.047 Ha
34.	Details of Lease Area in approved DSR	Page No. 4, Sr. No. 6	
35.	Total Proposed Project Cost	Rs. 129.51 Lakhs	
36.	Proposed CER cost	Rs.2.60 Lakhs (2% of the total Project Cost)	
37.	Proposed EMP cost	Rs. 35.80 Lakhs	
38.	Length and Width of Haul Road	Length 1500 m & Width 7 m	
39.	No. of Trees to be Planted	950 Trees (200 trees/ha.)	

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

RESOLUTION AGAINST AGENDA NO-04

Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining committee discussed the matter and recommended to issue the terms of reference (ToR's) for the preparation of EIA as annexed at annexure-3. The committee also stipulated the following additional ToR's:

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

5. Stone Mining at Arazi No.-1939, Khand No.-03 New, Village- Pahra, Tehsil-Sadar, Mahoba, U.P., Smt. RajniPaliwal., Area-1.012 ha., File No. 6343Proposal No. SIA/UP/MIN/ 63807/2021

A presentation was made by the project proponent along with their consultant 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 environmental clearance is sought for Stone Mining at Arazi No.-1939, Khand No.-03 New, Village- Pahra, Tehsil-Sadar, Mahoba, U.P., Smt. RajniPaliwal., Area-1.012 ha Smt Rajni Paliwal W/o Shri Rajendra Kumar

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

1. Name of Proponent	Proponent- Smt Rajni Paliwal W/o Shri Rajendra Kumar
2. Full correspondence address of proponent and mobile no.	R/o- Mo. Vivek Nagar, Kabrai Tehsil & District- Mahoba (U.P.)
3. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project
4. Project location (Plot/Khasra/Gata No.)	Arazi No.1939 (Khand No. – 03),
5. Name of River	NA
6. Name of Village	Pahara
7. Tehsil	Sadar
8. District	Mahoba (U.P.)
9. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project

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10. Sanctioned Lease Area (in Ha.)	1.012 Ha.		
11. Mineable Area (in Ha.)	0.7107Ha. (Safety Margin 0.3013 Ha.)		
12. Zero level mRL	NA		
13. Max. & MinmRL withinlease area	Maximum & Minimum mRL is 212.95 & 183.10 mRL respectively.		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°21' 44.132"	80° 3' 57.855"
	B	25°21' 41.130"	80° 4' 1.786"
	C	25°21' 39.478"	80° 4' 0.131"
	D	25°21' 42.382"	80° 3' 56.135"
15. Total Geological Reserves	3,66,111 m ³		
16. Sanction Quantity as per LOI	50,000 m ³ per year as per LOI		
17. Total Proposed Production (in five year)	1,04,736 m3 in 3 years		
18. Proposed Production/year	50,000 m ³ per year		
19. Sanctioned Period of Mine lease	10 Years as per LOI		
20. Production of mine/day	166.67 m ³ /day		
21. Method of Mining	Open cast, Mechanized		
22. No. of working days	300		
23. Working hours/day	8 hours/day		
24. No. Of workers	36		
25. No. Of vehicles movement/day	16-17 Vehicles movement/day		
26. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
27. Ultimate Depth of Mining	6.0 m		
28. Nearest metalled road from site	NH-76 is about 5.31 km towards West direction from the project site.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.46 KLD	
	Dust suppression	6.72 KLD	
	Plantation	0.5 KLD	
	Others (if any)	-	
	Total	7.68 KLD Approx.	
30. 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 Valid up to 30 Dec 2022		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7416/ MMC-30/2020-21 Date- 16/12/2020		
33. Details of Lease Area in approved DSR	Corrigendum Letter no: 154/M.M.C-30-Khanij(2021-22) dated 12/05/2021		
34. Proposed EMP cost	Rs 39,80,100/-		
35. Proposed Total Project cost	Rs. 88,00,000/-		
36. Length and breadth of Haul Road	280 m length and 6.0 m width		
37. No. of Trees to be Planted	500		

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.

4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter and recommended to issue the terms of reference (ToR's) for the preparation of EIA as annexed at annexure-3. The committee also stipulated the following additional ToR's:

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

6. Stone Mining at Gata No.-989, Khand No.-01, Village- Makarbai, Tehsil-Sadar, Mahoba, U.P., Shri Narayan Singh., Area-1.619 ha., File No. 6344 1Proposal No. SIA/UP/MIN/ 63817/2021

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 environmental clearance is sought for Stone Mining at Gata No.-989, Khand No.-01, Village- Makarbai, Tehsil-Sadar, Mahoba, U.P., Shri Narayan Singh., Area-1.619 ha.,
2. **Salient features of the project as submitted by the project proponent:**

1. On-line proposal No.	SIA/UP/MIN/63817/2021		
2. File No. allotted by SEIAA, U. P.	6344		
3. Name of Proponent	Proponent- Mr. Narayan Singh S/o Mr. Badri Singh		
4. Full correspondence address of proponent and mobile no.	R/o- 121, Aliganj, Narankari Bhawan Tehsil & District-Banda (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 01),		
7. Name of River	NA		
8. Name of Village	Makarbai		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.619 Ha.		
13. Mineable Area (in Ha.)	1.2479 Ha. (Safety Margin 0.3711Ha.)		
14. Zero level mRL	NA		
15. Max. & MinmRL withinlease area	Maximum & Minimum mRL is 208.95 & 186.10 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°19'53.908"	79°59'34.879"
	B	25°19'54.419"	79°59'39.304"
	C	25°19'50.850"	79°59'39.940"
	D	25°19'50.311"	79°59'34.171"
17. Total Geological Reserves	8,60,508 m ³		
18. Sanction Quantity as per LOI	80,000 m ³ per year as per LOI		
19. Total Proposed Production (in five years)	4,00,000 m ³ in five year		

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20. Proposed Production/year	80,000 m ³ per year	
21. Sanctioned Period of Mine lease	10 Years as per LOI	
22. Production of mine/day	266.67 m ³ /day	
23. Method of Mining	Open cast, Mechanized	
24. No. of working days	300	
25. Working hours/day	8 hours/day	
26. No. Of workers	55	
27. No. Of vehicles movement/day	16-17 Vehicles movement/day	
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project	
29. Ultimate Depth of Mining	6.0 m	
30. Nearest metalled road from site	NH-76 is about 4.51 km towards East direction from the project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.65 KLD
	Dust suppression	7.2 KLD
	Plantation	0.8 KLD
	Others (if any)	-
	Total	8.65 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 Valid up to 30 Dec 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. 7504/ MMC-30/2020-21 Date- 26/12/2020	
35. Details of Lease Area in approved DSR	Corrigendum Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021	
36. Proposed EMP cost	Rs. 47,36,000	
37. Proposed Total Project cost	Rs. 95,00,000	
38. Length and breadth of Haul Road	300 m length and 6.0 m width	
39. No. of Trees to be Planted	88	

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

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended to issue the terms of reference (ToR's) for the preparation of EIA as annexed at annexure-3. The committee also stipulated the following additional ToR's:

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

7. Stone Mining at Gata No.-715, Khand No.-23, Village-Gonda, TehKarwi, Chitrakoot. Smt. Kamla Devi, Area-2.024 ha., File No. 6347Proposal No. SIA/UP/MIN/ 63377/2021

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 Environmental Clearance is sought for Stone Mining at Gata No.-715, Khand No.-23, Village-Gonda, TehKarwi, Chitrakoot. M/s Kamla Construction Prop. - Smt. Kamla Devi, W/o-Shri Jagdish Prasad Gautam, Area-2.024 ha.

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

1. Name of Proponent	M/s Kamla Construction Prop. - Smt. Kamla Devi, W/o-Shri Jagdish Prasad Gautam		
2. Full correspondence address of proponent and mobile no.	R/o-Mission Road, Gandhiganj, Ansh-3, Tehsil- Karwi, District-Chitrakoot (U.P.)		
3. Name of Project	Building Stone Khanda, Boulder, Gitti, Padhi Lal morrum Mining Project		
4. Project location (Plot/Khasra/Gata No.)	Gata No. 715, Khand 23		
5. Name of River	NA		
6. Name of Village	Gonda		
7. Tehsil	Karwi		
8. District	Chitrakoot (U.P)		
9. Name of Minor Mineral	Building Stone Khanda, Boulder, Gitti, Padhi Lal morrum Mining Project		
10. Sanctioned Lease Area (in Ha.)	2.024 Ha.		
11. Mineable Area (in Ha.)	1.777 Ha.(Safety area 0.247Ha)		
12. Zero level mRL	NA		
13. Max. & MinmRL withinlease area	Maximum mRL 213.95 mRL Minimum mRL 190.10 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 12.310'N	80° 45.311'E
	B	25° 12.308'N	80° 45.361'E
	C	25° 12.191'N	80° 45.344'E
	D	25° 12.199'N	80° 45.285'E
15. Total Geological Reserves	8,34,951 m ³ /year		
16. Total Mineable Reserves	1,00,000 m ³ per year as per LOI		
17. Total Proposed Production (in four year)	3,07,403 m ³		
18. Proposed Production/year	1,00,000 m ³ per year		
19. Sanctioned Period of Mine lease	20 Year		
20. Production of mine/day	363.36 m ³ /day		
21. Method of Mining	275		
22. No. of working days	300		
23. Working hours/day	8 hours/day		
24. No. Of workers	34		
25. No. Of vehicles movement/day	30-35 Vehicles movement/day		
26. Type of Land	Government Land(Stony area)		
27. Ultimate Depth of Mining	6 m		
28. Nearest metalled road from site	NH-25 which is 0.73 km towards North direction from the project site.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	

	Drinking water	0.44 KLD
	Suppression of dust	4.8 KLD
	Plantation	1.0 KLD
	Others (if any)	-
	Total	1.24 KLD approx.
30. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA0200 and valid up to 30 Dec. 2022	
31. Any litigation pending against the project or land in any court	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. - 1779/Khanij/2020-21 date 28/1/2021	
33. Details of Lease Area in approved DSR		
34. Proposed EMP cost	Rs. 2922700/-	
35. Total Project cost	Rs. 97,00,000/-	
36. Length and breadth of Haul Road	200 m length and 6.0 m width	
37. No. of Trees to be Planted	1000	

- The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
- The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
- 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-07

The committee discussed the matter and recommended to issue the terms of reference (ToR's) for the preparation of EIA as annexed at annexure-3. The committee also stipulated the following additional ToR's:

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

8. Sand Stone Mining at Gata No.-112Mi. & 121Mi, Village-Matikhana, Lalganj, Mirzapur., Shri Rana Ranjan Singh, Area-0.707 ha., File No. 6349 Proposal No. SIA/UP/MIN/ 214777/2021

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: -

- The Environmental Clearance is sought for Sand Stone Mining at Gata No.-112Mi. & 121Mi, Village-Matikhana, Lalganj, Mirzapur., Shri Rana Ranjan Singh, Area-0.707 ha.

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

1. Name of Proponent	Shri Rana Ranjan Singh S/O-Rameshwar Singh
2. Full correspondence address of proponent and mobile no.	R/o- Vill.- Matikhana, Post- Belan Baraudha District- Mirzapur(U.P.)
3. Name of Project	Building Stone (Sand Stone)Mining Project
4. Project location (Plot/Khasra/Gata No.)	Gata No.-112 Mi & 121 Mi
5. Name of River	NA
6. Name of Village	Matikhana
7. Tehsil	Lalganj
8. District	Mirzapur (U.P)

9. Name of Minor Mineral	Building Stone (Sand Stone)Mining Project		
10. Sanctioned Lease Area (in Ha.)	0.707 Ha.		
11. Mineable Area (in Ha.)	0.43 ha.(Safety area 0.277 Ha)		
12. Zero level mRL	--		
13. Max. & MinmRL withinlease area	Maximum mRL 146.0 mRL Minimum mRL 144.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	24° 56'50.1"N	82°16'35.8"E
	B	24° 56'45.5"N	82°16'40.6"E
	C	24° 56'44.1"N	82°16'39.3"E
	D	24° 56'48.6"N	82°16'34.5"E
15. Total Geological Reserves	80800 m ³		
16. Total Mineable Reserves	7070 m ³ per year as per LOI		
17. Total Proposed Production (in five year)	35350 m ³		
18. Proposed Production/year	7070 m ³ /year		
19. Sanctioned Period of Mine lease	10 Year		
20. Production of mine/day	25.70 m ³ /day		
21. Method of Mining	Open cast, Manual, mechanized		
22. No. of working days	275		
23. Working hours/day	8 hours/day		
24. No. Of workers	18		
25. No. Of vehicles movement/day	3-5 Vehicles movement/day		
26. Type of Land	Building Stone (Sand Stone)Mining Project		
27. Ultimate Depth of Mining	6 m		
28. Nearest metalled road from site	NH-135 is about 2.8 km towards North-West direction from the project site.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.28 KLD	
	Suppression of dust	4.80 KLD	
	Plantation	0.34 KLD	
	Others (if any)	-	
	Total	5.42 KLD	
30. Name of QCI Accredited Consultant with QCI No And period of validity.	M/s Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA 0200 and valid up to 30/12/2021		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 374/Khanij/क्र०स०/2021-22 Dated 08/6/2021		
33. Details of Lease Area in approved DSR	Page No 13, Sr. 85		
34. Proposed EMP cost	Rs. 13,40,350		
35. Total Project cost	Rs. 75,00,000		
36. Length and breadth of Haul Road	200 m length and 6.0 m width		
37. No. of Trees to be Planted	340		

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

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

RESOLUTION AGAINST AGENDA NO-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-1 to the minutes. The committee also stipulated the following specific conditions:

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
 2. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
 3. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
 4. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
 5. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
 6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
 7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
 8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
 9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
 11. The project proponent should explore the possibilities of rainwater harvesting.
- 9. Group Housing "Grand Forte Apartments" at Plot NO.-76, Sigma-IV, Greater Noida, Shri Vishnu Lalwani, M/s SatililaSahkariAwasSamitiFile No. 6350/ 6155 Proposal No. SIA/UP/MIS/ 215063/2021**

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

1. The Environmental Clearance is sought for Group Housing "Grand Forte Apartments" at Plot NO.-76, Sigma-IV, Greater Noida, Shri Vishnu Lalwani, M/s Satilila SahkariAwas Samiti
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 20/Parya/SEIAA/6155/2020, dated 06th April 2021. Online Final EIA report submitted on 13/06/2021 and the same was accepted on 23.7.2021.

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

Type of Industry	Building and Construction projects
Category	B, Type- 8(a) (Violation case)
Current status of land	residential Land use as per G. Noida Master Plan, 2021

Chronology of the project proposal

S. No	Activity	Status
1	Online application of project proposal for the grant of terms of reference on dated 04/02/2021 under violation category and the matter was listed in 526th SEAC meeting dated 23/02/2021.	The committee discussed the matter in light of MoEF&CC Notification dated 08/03/2018 (Violation) and recommended to issue the terms of reference (TOR) for the preparation of EIA
2	ToR issued	ToR of the above-mentioned project was granted vide letter No. 20/parya/SEIAA/6155/2020 on dated 06th April 2021
3	Baseline monitoring conducted	March 2021 (One month)
4	Online application for Environmental Clearance	Proposal no: SIA/UP/MIS/215063/2021 Date of online submission: 13 June 2021
5	Appraisal for EC	Agenda of 560thSEAC-1Meeting Dated- 17-08-2021

Area Details

S. No	Particular	Area(Metersq.)	Percentage
1	TotalPlotArea	26560.56	
2	PermissibleGroundCoverage	10624.224	40%oftotalPlotarea
3	AchievedGroundCoverage	9122.142	34.34%ofplotarea
4	PermissibleFAR	39840.84	150%PlotArea
5	PurchasableFAR	3187.2672	12%ofPlotarea
6	TotalPermissibleFAR	43028.1072	162%ofPlotarea
7	AchievedFAR	41732.32	157%ofPlotArea
8	NonFAR Area (Basement)	1238.432	4.7%ofplotarea
9	FacilityArea	1315	4.5%ofplotarea
10	Built-upArea	44285.752	
11	OpenArea	17438.418	65.65%ofplotarea
12	LandscapeArea	9562.2.209	50 %ofopenarea 175 Trees
13	Height ofthehighestTower	12.58m	
14	Total Water Consumption	102 KLD	
15	Power Requirement	280 KVA	
16	Power Backup	DG Sets of total capacity of 250 KVA (1*250)	
17	Total Parking provided	615 ECS 307 Two-wheelers	
18	Solid Waste to be Generated	400.95 kg/day	
19	No. of RWH Pits	03 nos. of RWH of 36 cum capacity each pit	

Site-specific details

Particulars	Details
Category	Item 8 (a) of Schedule
Nearest Highway	<ul style="list-style-type: none"> • Dadri main Rd– 2.76km (NE) • NH-2 – 8.50Km (SW) • NH-91 –15.0Km (NE)

Nearest Railway Station	Ghaziabad Railway station – 16.0km (NE)
Nearest Airport	IGI Airport – 30.0 km (NW)
Nearest town/city	Delhi border – 5km
Topography	Flat topography
Archaeologically important places	None in 10km radius
National parks/wildlife sanctuaries	Okhla Bird sanctuary – 12.10km (NW)
Water bodies/ River	Yamuna River – 8.0km (W) Hindon River – 5.70km (W)
Reserve/forest	None in 10km radius.
Seismicity	Seismic zone IV
Defense Installations	None in 10km radius.

Project specific details

Water Demand and Source	55 KLD
Waste Water	60 KLD
STP Capacity	75KLD
Power Demand	280kVA
Backup Power	DG sets of total capacity of 250kVA (1*250)
Solid Waste Generation and Management	400kg/day
Rain Water Harvesting	03 nos. of RWH of 36 cum capacity each pit
Green Belt and Horticultural development	9562.2209 sq.m.
Parking Facilities	427 ECS 307 for two-wheelers

Solid waste Generation

S.No	Particular	Population	Waste generated kg/day
1.	Residential (@ 0.5 kg/day)	810	405
2.	Visitors (@ 0.15 kg/day)	81	12.15
3.	Staff (@ 0.15 kg/day)	41	6.15
4.	Horticulture waste (@0.0036/sq/day)		31
	Total SW		423
5.	E waste (0.15 kg/C/Yr)		121.5

PARKING DETAIL

Parking Required @ 1 ECS for 65 m ² FAR Area (39840.84/65)	613 ECS
Parking Area	615 ECS
Parking Details	
50% for Car Parking	307
50% Scooter/Cycle parking	307
Area required for Car Parking	307 × 20 m ² = 6140 m ²
Area required for Scooter Parking	307 × 3 m ² = 921 m ²
Total Required area for parking	7061 m ²
Total parking area	8635.38 m ²

GREEN AREA DETAILS

Required green area = 50% of Open area	Open area = Plot area – Ground Coverage = 50% of (26560.56 – 9122.142 = 8719.209 m ²)	8708.87 m ²
Green belt area		9562.18 m ²
Required No. of trees	1 tree per 100 m ² of open area = (Plot area - Ground Coverage)/100 = (26560.56 – 9122.14)/100 = 174 trees	175

4. The proposal falls under category- B, Schedule 8(a) of EIA notification,2006 & its amendments
5. It is a violation case and application vide proposal no. SIA/UP/MIS/215063/2021 has been submitted as per under Notification No. S.O.804(E) dated 14.03.2017

RESOLUTION AGAINST AGENDA NO-09

The committee noted that SEIAA vide letter no. 20/ Parya/SEIAA/6155/2020, dated 06th April 2021 issued terms of reference to the said project.

Further, the committee also noted that the Project Proponent/ Consultant made an online application dated 13.6.2021 for grant of Environmental Clearance vide proposal no. SIA/UP/MIS/215063/2021 and therein to the reply of question no.5 “Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 ?”Therein, in the reply to question no.5, the Project Proponent has mentioned “yes”.

The committee also noted that the total project cost of the said project is Rs. 30,00,00,000.00 (INR 30.0 crore) and 100% construction has been done. The project proponent has submitted EMP, the remediation plan, and natural and community resources vide his letter dated 10/06/2021 with amounting to Rs. 4,86,000.00(Rs. Four Lacs Eighty Six Thousands) finding it with appropriate, the committee further opined that now it is to:

1. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection), Act, 1986, and further no consent to operate or occupancy certificate to be issued till the project is granted EC.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum amounting to **Rs. 4,86,000.00** (Rs. Four Lacs Eighty Six Thousands Only)which has to be finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, and after the recommendations of the concerned Regional Office of the Ministry, the SEAC, and approval of the regulatory authority.
3. The project proponent should also submit the names and addresses of all the members of the board of directors and year-wise construction details which have been undertaken without obtaining environmental clearance. The project proponent is also directed to stop the construction immediately and to submit an affidavit to this effect. The Committee directed Project Proponent/ Consultant that the compliance should be made according to the EIA notification 14 Sep. 2006 (as amended thereof).
4. Total Cost of the projects is Rs. 30.0 crores. Corporate Social Responsibility (CSR) plan along with budgetary provision amounting to 2% of project cost Rs. Sixty Lacsshall be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.

The matter shall be finally decided after receipt of the communication regarding initiation of credible legal action against the project proponent for violation of the E.P. Act and submission of a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation to the SPCB.

10. Stone Mining at Khasra No./Plot No./Gata No.-3114,3115, Khand No.- 18, Village-Koshnakalan, Tehsil-Meja, Prayagraj., M/s MaaSavitri Stones, Area-2.024 ha., File No. 6352 Proposal No. SIA/UP/MIN/ 215315/2021

Two complaint letters received regarding the project were placed before the committee:-

1. Complainant, letter dated 09.8.2021 made by Shri. Vinod Singh (Advocate), S/o Shri. Surendra Pratap Singh, R/o Village & Post, Koshnakalan, Tehsil-Meja, Prayagraj U.P.
2. Complainant, letter dated 08.8.2021 made by Shri. Denesh Bahadur Singh, S/o Late Shri. Arjun Singh, Village, Koshnakalan Tappa Manda, Tehsil-Meja, Prayagraj U.P.

RESOLUTION AGAINST AGENDA NO-10

The committee took note of the aforesaid Complainant letter and deliberated that the Complainant letter along with all its annexures received should be sent immediately to District Magistrate, Prayagraj to provide the factual report. The committee further directed that a copy of the same letter should also be made to the complainant.

The committee directed that the case should be considered at the earliest after the receipt of the factual report in this regard.

11. Sand/Morrum Mining at Arazi No.- 824 Kh, Khand No.-04, Village Agori Khas, Tehsil-Obra, District-Sonbhadra., M/s Sudhakar Pandey and Associates., Area: 12.368 ha File No. 6321 Proposal No. SIA/UP/MIN/ 63643/2021

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

1. The Terms of References (ToR's) is sought for Proposed Morrum Mining at Arazi No.- 824 Kh (Khand 04), Village- Agori Khas, Tehsil- Obra, District- Sonbhadra, U.P. M/s Sudhakar Pandey and Associates, Shri Sudhakar Pandey S/o Shri Dudh Nath Pandey, (Applied Area- 12.368 ha.),
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s Sudhakar Pandey and Associates, Shri Sudhakar Pandey S/o Shri Dudh Nath Pandey		
2.				
3.	Full correspondence address of proponent and mobile no.	R/o- Civil Line Road, Tehsil- Robertsganj, District- Sonbhadra, U.P.		
4.	Name of Project	Morrum Mining Project		
5.	Project location (Plot/ Khasra /Gata No.)	Arazi No.- 824 Kh (Khand 04)		
6.	Name of River	Sone		
7.	Name of Village	Agori Khas		
8.	Tehsil	Obra		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Morrum		
11.	Sanctioned Lease Area (in Ha.)	12.368 ha.		
12.	Max.& Min mRL within lease area	172.0 mRL- 169.0 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Lease Area		
		A	24°32'59.96"N	82°57'35.36"E
		B	24°33'4.35"N	82°57'45.29"E
		C	24°32'55.95"N	82°57'53.04"E
		D	24°32'41.42"N	82°58'14.60"E
		E	24°32'37.97"N	82°58'12.97"E
		F	24°32'40.76"N	82°58'9.10"E
		G	24°32'44.75"N	82°58'7.36"E

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		H	24°32'47.17"N	82°58'4.12"E	
		I	24°32'49.57"N	82°58'0.09"E	
		J	24°32'54.53"N	82°57'50.58"E	
		K	24°32'55.84"N	82°57'51.21"E	
		L	24°32'58.31"N	82°57'46.70"E	
		M	24°32'56.07"N	82°57'44.82"E	
		N	24°32'56.07"N	82°57'39.81"E	
14.	Total Geological Reserves	326850 m ³			
15.	Total Mineable Reserves	204755 m ³			
16.	Total Proposed Production (in five years)	989440 m ³			
17.	Proposed Production / year	Year	Production		
		1 st	197888 m ³		
		2 nd	197888 m ³		
		3 rd	197888 m ³		
		4 th	197888 m ³		
		5 th	197888 m ³		
		Total	989440 m ³		
18.	Sanctioned Period of Mine lease	5 Year			
19.	Production of mine/day	660 m ³ (average)			
20.	Method of Mining	Opencast Semi-Mechanized			
21.	No.of working days	225 days			
22.	Working hours/day	8 Hours/Day			
23.	No.Of workers	55 (approx.)			
24.	No. Of vehicle movement /day	55 (average)			
25.	Type of Land	River Bed Govt. Land			
26.	Ultimate Depth of Mining	2.08 meter (average)			
27.	Nearest metalled road from site	0.40 km			
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)		
		Drinking & Others	0.55		
		Suppression of dust	2.40		
		Plantation	0.10		
		Others(if any)	-----		
		Total	3.05		
29.	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-19/10/21			
30.	Any litigation pending against the project or land in any court	No			
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Sonbhadra vide Letter No. 1001/Khanij/2021, Dated 23/03/2021			
32.	Details of Lease Area in approved DSR	Page No.-26, S.No.- 13.			
33.	Proposed CER cost	2.30 Lakh			
34.	Proposed EMP cost	9.41 Lakh			
35.	Length and breadth of Haul Road.	Length- 0.40 km, Width- more than 6.0 m			
36.	No. of Trees to be Planted	62			

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

RESOLUTION AGAINST AGENDA NO-11

The committee noted that the matter was taken in 559th SEAC-1 Meeting Dated 16/08/2021 wherein, “The committee noted that the two complaint letters of Shri Vikas Pandey S/o Om Prakash Pandey; Dakshin Gautam Nagar, Fatehpur, UP and of Shri Sanjay Tiwari S/o Dwarika Tiwari; Village-Barisavan, Barsaun, Bhojpur, Bihar respectively have been received by the committee members.

The committee decided to share the aforesaid complaint letters with the Project Proponent/ Consultant. The Project Proponent/ Consultant mentioned that these complaints are baseless, and they will be able to give a written reply regarding the aforesaid complaints by tomorrow i.e. 17-08-2021. The committee deliberated that the case shall be taken tomorrow i.e. 17-08-2021 after receiving a satisfactory reply in this regard.”

The Project Proponent/ Consultant has submitted a points-wise reply to that of the complaint made by the Complainant. The pointwise details are given below:

Sr, No,	Complaint	Response
1.	It was complaint that We have considered the secondary baseline monitoring from 1st March 2021 to May 2021.	<ul style="list-style-type: none">• Our Baseline monitoring data is primary baseline data.• We have considered the baseline monitoring for pre-monsoon season.• The intimation for monitoring has also been given to RO, UPPCB, Sonbhadra & District Magistrate, Sonbhadra.
2.	Cluster Certificate does not clarify the total cluster situation.	The Cluster Certificate vide letter No.-2436/Khanij/Ka.Sa./2021 declare that there are total 4 areas present within 500mt. radius of the proposed site which makes a cluster of 60.95 ha. SO the cluster situation has clearly define the proposal as of Cat.- B1.
3.	Cluster fails to address the actual cluster position of the lease under consideration as per DSR for the scoping of the project category as Cat-A or Cat-B.	There are total 4 areas notified in the approved DSR and in the cluster certificate which will make a total cluster of 60.95 ha. Which clearly comes under Cat-B (Sub- category B1).
4.	Certified Revenue map is not submitted.	The Revenue Map i.e. certified Khasra map is submitted at the directorate as well as in the DGM. The khasra map is certified by District Mining officer, Sonbhadra with the verified

		coordinates exactly same as per the vigyapti & Approved Mining Plan by DGM.
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After detailed analysis the committee did not find any merit in the complaint and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-3. The committee also stipulated the following additional ToR:

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

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 Regional office, MoEF, GoI, Lucknow, and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Regional Office, MoEF, GoI, Lucknow, and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

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

B. Specific Conditions:

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

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

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

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

General condition:

1. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with the landowner from where earth excavation is proposed.
3. No change in mining technology and scope of work shall be made without the approval of the Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. 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.

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. Environment management should be as per the present ecological status of the project.
3. The Environmental clearance will be co-terminus with the agreement/lease.
4. Approach kaccha road should be made motorable and maintained periodically.
5. Transportation of soil should be undertaken in covered containers.
6. A rehabilitation plan with the planting of trees is to be submitted along with the closure plan.
7. Land to be leveled and handed over to the owners after completion of excavation work.
8. A valid NOC from State Pollution Control Board shall be obtained for the Brickkiln before the operation as per law and all guidelines must be followed, if applicable.
9. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
10. Topsoil should be adequately preserved and should be used for landscaping.
11. Excavated soil should be properly stored in a manner not to increase surrounding air pollution levels.
12. Water sprinkling should be exercised during excavation and storage of soil for the suppression of fugitive dust.
13. The excavated area should be properly reclaimed and ensured that no open borehole is left.
14. Safety measures for the people working at the site shall be duly taken care of as per law.
15. The excavation work shall be done in day time only.
16. The project boundary shall be properly covered to restrict dust dispersion.
17. Precautionary measures during soil excavation for conservation and protection of rare and endangered flora and fauna found in the study area.
18. Noise levels shall be maintained as per standards for both day and night.
19. The route map for soil transportation from excavation plots to the work site should be firmed up and necessary permissions shall be sought from District Administration.

20. Vehicles hired for the transportation should be in good condition and should have a Pollution Check Certificate and should conform to applicable air and noise emission standards.
21. Personnel exposure monitoring for respirable mineral dust shall be carried out for the workers and records maintained including the health records of the workers. Awareness programs 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. First aid facilities and adequate sanitary facilities in the form of temporary toilets/septic tanks.
22. Solid waste material viz. gutkha wrappers, plastic bags, glasses, etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management Rules.
23. The project proponent should maintain a daily register for information on (a) collection of soil/clay, (b) manpower & (c) transportation purpose.
24. Soil mining shall strictly be undertaken as per rules and regulations/permissions obtained from District Administration/Mining Department
25. Corporate Environmental Responsibility (CER) 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. A copy of the resolution as above shall be submitted to the authority along with the list of beneficiaries with their mobile nos./address.
26. The borrowing/excavation activity shall be restricted to a maximum depth of 2 m. below general ground level at the site.
27. The borrowing/excavation activity shall be restricted to 2 m. above the groundwater table at the site.
28. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
29. The borrowed/excavated pit shall be restored by the project proponent for the useful purpose(s).
30. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
31. Measures shall be taken to prevent dust emission by covering borrowed/excavated earth during transportation.
32. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
33. Workers/labourers shall be provided with facilities for drinking water and sanitation.
34. A berm shall be left from the boundary of the adjoining field having a width equal to at least half the depth of the proposed excavation.
35. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.

Terms of Reference for the Mining Project

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year before 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved before 1994.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 3) All documents including an approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology, etc., and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area superimposed on a High-Resolution Imagery/ toposheet, topographic sheet, geomorphology, and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in the Survey of India Toposheet on a 1:50,000 scale indicating a geological map of the area, geomorphology of landforms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers, and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from the State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelled out in the EIA report with the description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study, etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from the lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine/lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements, and other ecological features should be indicated. The land-use plan of the mine lease area should be prepared to encompass preoperational, operational, and post-operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as the extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned

above be issued. In all such cases, it would be desirable for the representative of the State Forest Department to assist the Expert Appraisal Committees.

- 13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be specifically indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may apply to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of the National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic, and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need-based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to the shifting of the village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post-monsoon season); December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora, and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent the whole of the study area and

- justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for the prediction of the impact of the project on the air quality of the area. It should also take into account the impact of the movement of vehicles for the transportation of minerals. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map specifically indicating the location of the site, location of sensitive receptors if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability, and source should be furnished. A detailed water balance should also be provided. Freshwater requirements for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for the drawl of the requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given.
 - 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 28) The impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
 - 30) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and a Report furnished. The Report inter-alia shall include details of the aquifers present and the impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below groundwater and for pumping of groundwater 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 upfront on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of the plantation already done should be given. The plant species selected for the green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 34) Impact on local transport infrastructure due to the Project should be indicated. A projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
 - 35) Details of the onsite shelter and facilities to be provided to the mineworkers should be

- included in the EIA Report.
- 36) Conceptual post-mining land use and Reclamation and Restoration of mined-out areas (with plans and with the adequate number of sections) should be given in the EIA report.
 - 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelled out. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project-specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 - 38) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 - 39) Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 - 40) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of the change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
 - 41) Public Hearing points raised and commitment of the Project Proponent on the same along with time-bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
 - 42) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
 - 43) The cost of the Project (capital cost and recurring cost), as well as the cost towards implementation of EMP, should be spelled out.
 - 44) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
 - 45) Benefits of the Project if the Project is implemented should be spelled out. The benefits of the Project shall indicate environmental, social, economic, employment potential, etc.
 - 46) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents are to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise, etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during the appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes, and permission should be sought, as the TOR may also have to be altered. Post-Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, a certified report of the

status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

- j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage, and mining area, (ii) geological maps and sections, and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

(Nodal SEAC-1)

(Dr. Ajai Mishra)
Member

(Om Prakash Srivastava)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Rajive Kumar)
Chairman