

### **Minutes of 652<sup>nd</sup> SEAC-1 Meeting Dated 11/05/2022**

The 652<sup>nd</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 11/05/2022. Following members participated in the meeting:

- |    |                            |                               |
|----|----------------------------|-------------------------------|
| 1. | Shri Rajive Kumar,         | Chairman, SEAC-1 (through VC) |
| 2. | Dr. Brij Bihari Awasthi,   | Member, SEAC-1 (through VC)   |
| 3. | Shri Umesh Chandra Sharma, | Member, SEAC-1 (through VC)   |
| 4. | Dr. Ratan Kar,             | Member, SEAC-1 (through VC)   |
| 5. | Shri Ashish Tiwari,        | Member-Secretary, SEAC-1      |

The Chairman welcomed the members to the 652<sup>nd</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

**1. Soil Excavation at Gata No. – 1916, 1917 & 1961 at Village – Mohra, Tehsil – Kanth District-Moradabad, U.P., Shri Pawan Kumar., Leased Area 1.767 Ha. File No. 7035/Proposal No. SIA/UP/MIN/ 266087/2022**

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

1. The environmental clearance is sought for Soil Excavation at Gata No. 1916, 1917 & 1961 at Village – Mohra, Tehsil – Kanth District-Moradabad, U.P., (Leased Area 1.767 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/266087/2022			
2.	File No. allotted by SEIAA, U.P	7035			
3.	Name of Proponent	Shri Pawan Kumar S/o Shri Mahendra Singh			
4.	Full correspondence address of proponent	R/o- Village- Muhiuddinpur, Post- Kamelpur Dhanaura Tehsil & District - Amroha (U.P.)			
5.	Name of Project	Ordinary Soil Excavation Mine			
6.	Project location (Plot/Khasra/Gata No. / khand No.)	Gata No. – 1916, 1917 & 1961			
7.	Name of River	Ram Ganga River 8.4 Km in East direction from Project Site			
8.	Name of Village	Mohra			
9.	Tehsil	Kanth			
10.	District	Moradabad, Uttar Pradesh.			
11.	Name of Minor Mineral	Ordinary Soil Excavation Mine			
12.	Sanctioned Lease Area (in Ha.)	1.767 Ha.			
13.	Mineable Area (in Ha.)	1.5903 Ha. (Safety margin 0.1767 Ha.)			
14.	Zero level mRL	NA			
15.	Max. & Min mrl within lease area	201 mRL			
16.	Pillar Coordinates (Verified by DMO)	Gata NO.	Points	GPS Coordinates	
				Latitude	Longitude
		1916	A	28°51'47.35"N	78°39'58.50"E
			B	28°51'48.55"N	78°39'59.55"E
			C	28°51'46.74"N	78°40'2.44"E

	1917	D	28°51'45.48"N	78°40'1.37"E
		C	28°51'46.74"N	78°40'2.44"E
		D	28°51'45.48"N	78°40'1.37"E
		E	28°51'43.63"N	78°40'4.17"E
	1961	F	28°51'44.87"N	78°40'5.25"E
		A	28°51'37.00"N	78°39'55.40"E
		B	28°51'36.58"N	78°39'55.92"E
		C	28°51'32.56"N	78°39'52.24"E
		D	28°51'33.32"N	78°39'51.07"E
		E	28°51'34.99"N	78°39'50.39"E
		F	28°51'36.37"N	78°39'51.80"E
	G	28°51'35.22"N	78°39'53.37"E	
17. Total Geological Reserves	34986.6 m <sup>3</sup>			
18. Total Mineable Reserves	31,806 m <sup>3</sup> in three months			
19. Total Proposed Production	31,806 m <sup>3</sup> in three months			
20. Proposed Production/month	10,602 m <sup>3</sup> / month			
21. Sanctioned Period of Mine lease	03 months			
22. Production of mine/day	NA			
23. Method of Mining	Open cast and semi mechanized			
24. No. of working days	90 days			
25. Working hours/day	8 hours/day			
26. No. Of workers	Approximately 25 workers			
27. No. Of vehicles movement/day	Approximately 9-10 movements per day			
28. Type of Land	Ordinary Soil Excavation Mine			
29. Ultimate Depth of Mining	2.2 meter as per approved mining plan			
30. Nearest metalled road from site	SH-78 is located at 3.70 km in South- West direction and NH 9 is located at 4.39 km towards South- East direction.			
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)	
	Drinking		0.35	
	Suppression of dust		1.8	
	Plantation		0.01	
	Others (if any)		-	
	Total		2.16 KLD Approx.	
32. 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 valid up to 30/12/2022.			
33. Any litigation pending against the project or land in any court	NO			
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 811/ खनिज /2022 on dated 24/03/2022			
35. Details of Lease Area in approved DSR	NA			
36. Proposed EMP cost	Rs. 45,990/- (more than 2%)			
37. Total Project cost	Rs.2,00,000/-			
38. Length and breadth of Haul Road	200 m length and 6 m width			
39. No. of Trees to be Planted	10			

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 09/05/2022 mentioning is as follows:

1. I Dr. Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/1922/RA 0200, valid till- 30/12/2022.
2. I have prepared EC (B2) Project for the Proposal No. SIA/UP/MIN/266087/2022 (FILE NO- 7035) Proponent- Shri Pawan Kumar S/o Shri Mahendra Singh of Soil Excavation Mining Project of Gata No. 1916, 1917 & 1961 (Area- 1.767 Ha.) located in village – Mohra, Tehsil – Kanth, District - Moradabad, Uttar Pradesh with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC (B2) Project presentations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO. 01**

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes

2. **Soil Mining at Village- Sharifnagar, Tehsil- Thakurdwara, District- Moradabad., Shri Pushpendra Singh ., Area- 1.639 ha. File No. 7036/Proposal No. SIA/UP/MIN/ 266827/2022**

**RESOLUTION AGAINST AGENDA NO-02**

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

3. **Soil Mining at Khasra/Gata No.- 31kh, 34kh, 35, 36kh & 39 in village-Shahpur, Nawabganj, Barabanki, Shri Mohd. Wahid Ali,Area-1.487 ha. File No. 7039/Proposal No. SIA/UP/MIN/ 265905/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development, Lucknow. 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 Ordinary Earth Mining at Araj/Gata no.- 31kh, 34kh, 35, 36kh & 39, Village-Shahpur, Tehsil-Nawabganj, District-Barabanki, U.P., (Leased Area- 1.487 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/265905/2021
2.	File No. allotted by SEIAA, UP	7039

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3.	Name of Proponent	Mohd. Wahid S/o Shahid Ali			
4.	Full correspondence address of proponent and mobile no.	Mohd. Wahid S/o Shahid Ali			
		R/o Vijay Khand-01, Gomti nagar, Lucknow, Uttar Pradesh.			
		Mobile no.-			
		E-mail Id- wahidali5418@gmail.com			
5.	Name of Project	Ordinary Earth Mining Village –Shahpur, Tehsil-Nawabganj, District–Barabanki, Uttar Pradesh			
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –31kh, 34kh, 35, 36kh & 39, Village –Shahpur, Tehsil-Nawabganj, District–Barabanki, Uttar Pradesh			
7.	Name of River	NA			
8.	Name of Village	Shahpur			
9.	Tehsil	Nawabganj			
10.	District	Barabanki			
11.	Name of Minor Mineral	Soil Mining			
12.	Sanctioned Lease Area (in Ha.)	1.487 ha.			
13.	Max. & Min mRL within lease area	Highest-116mRL & Lowest-115mRL			
14.	Pillar Coordinates (Verified by DMO)	Plot No	Points	Latitude	Longitude
		31KH	A	26°49'1.70"N	81°10'54.45"E
			B	26°49'0.89"N	81°10'55.45"E
			C	26°49'0.44"N	81°10'55.01"E
			D	26°49'0.79"N	81°10'53.77"E
			E	26°49'1.30"N	81°10'54.26"E
			F	26°49'1.37"N	81°10'54.15"E
		35	F1	26°48'59.50"N	81°10'56.62"E
			G	26°48'58.01"N	81°10'55.43"E
			H	26°48'57.48"N	81°10'54.59"E
			I	26°48'57.80"N	81°10'54.08"E
			J	26°48'58.56"N	81°10'54.78"E
			K	26°48'59.65"N	81°10'54.43"E
			L	26°49'0.39"N	81°10'55.12"E
		36 KH	E1	26°48'58.99"N	81°10'57.32"E
			F1	26°48'59.50"N	81°10'56.62"E
			M	26°48'57.85"N	81°10'56.53"E
			N	26°48'58.39"N	81°10'55.74"E
		39	D1	26°49'0.35"N	81°10'58.33"E
			C1	26°48'59.98"N	81°10'58.98"E
			O	26°48'59.42"N	81°10'59.12"E
			P	26°48'59.19"N	81°11'0.42"E
			Q	26°48'58.42"N	81°10'59.83"E
			R	26°48'57.85"N	81°11'0.68"E
			S	26°48'56.92"N	81°10'59.89"E
			T	26°48'57.62"N	81°10'58.58"E
			U	26°48'56.95"N	81°10'57.69"E
			V	26°48'57.65"N	81°10'56.40"E
		34kh	A1	26°49'2.07"N	81°10'58.39"E
			B1	26°49'1.43"N	81°10'59.35"E
			C1	26°48'59.98"N	81°10'58.98"E
			D1	26°49'0.35"N	81°10'58.33"E
			E1	26°48'58.99"N	81°10'57.32"E
			F1	26°48'59.50"N	81°10'56.62"E
15.	Total Geological Reserves	32714 m <sup>3</sup>			
16.	Total Mineable Reserve (as per Approved Mine Plan)	29442 m <sup>3</sup>			
17.	Total Proposed Production	12000m <sup>3</sup> (for 3 months)			
18.	Proposed Production (In 3 months)	12000m <sup>3</sup> (for 3 months)			

19.	Sanctioned Period of Mine lease	03 months	
20.	Method of Mining	Opencast, Semi-Mechanized	
21.	No. of working days	90	
22.	Working hours/day	8	
23.	No. of worker	20	
24.	No. of vehicles movement/day	11	
25.	Type of Land	Private land	
26.	Ultimate of Depth of Mining	2.2m	
27.	Nearest metalled road from site	210m	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.20 KLD
		Suppression of dust	0.84 KLD
		Plantation	0.10 KLD
		Total	1.14 KLD
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (servicing environment and development) Lucknow Certificate no. NABET/EIA/2124/RA 0224 Valid- Till May 2024	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no.	
32.	Details of Lease Area in approved DSR	1.487 ha.	
33.	Proposed CER cost	Rs.	
34.	Proposed EMP cost	Total project cost- Rs 6 lakhs, EMP Cost-Rs. 53900 /-	
35.	Length and breadth of Haul Road	210m & 6m	
36.	No. of Trees to be Planted	50	

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category–I(a) of EIA Notification, 2006 (as amended).

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 07/05/2022 mentioning is as follows:

- I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development).
- I have prepared EC application report for the (Proposal No. SIA/UP/MIN/265905/2022, soil mine by Mohd. Wahid) with my team.
- I have personally visited the site of proposal.
- I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
- I certify that no mining activity has been undertaken on the project site for the present proposal.
- I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.

7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO. 03**

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes

**4. Soil Mine Project at Khasra/Gata No.- 966, 967 & 968 in village Rahramau, Tehsil Nawabganj, Barabanki, M/s Priyanshi Construction, Area- 0.775 ha. File No. 7040/Proposal No. SIA/UP/MIN/ 265877/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development, Lucknow. 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 Ordinary Earth Mining at Araj/Gata no.- 966, 967 & 968, Village-Rahramau, Tehsil-Nawabganj, District-Barabanki, U.P., (Leased Area-0.775 ha.), M/s Priyanshi Construction.
2. Salient features of the project as submitted by the project proponent:

1	On-line proposal No.	SIA/UP/MIN/265877/2021			
2	File No. allotted by SEIAA, UP	7040			
3	Name of Proponent	M/s Priyanshi Construction (Mr. Lalji)			
4	Full correspondence address of proponent and mobile no.	M/s Priyanshi Construction (Mr. Lalji) R/o Deduwa Masauli, Barabanki Uttar Pradesh. Office Address- New Shanti Vihar Colony, Sultanpur, Nawabganj, Barabanki.			
5.	Name of Project	Ordinary Earth Mining Village –Rahramau, Tehsil-Nawabganj, District–Barabanki, Uttar Pradesh			
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –966, 967 & 968, Village –Rahramau, Tehsil-Nawabganj, District–Barabanki, Uttar Pradesh			
7.	Name of River	NA			
8.	Name of Village	Rahramau			
	Tehsil	Nawabganj			
	District	Barabanki			
9.	Name of Minor Mineral	Soil Mining			
10.	Sanctioned Lease Area (in Ha.)	0.775 ha.			
11.	Max. & Min mRL within lease area	Highest-116mRL & Lowest-115mRL			
12.	Pillar Coordinates (Verified by DMO)	<b>Plot No</b>	<b>Points</b>	<b>Latitude</b>	<b>Longitude</b>
		966	A	26°57'34.41"N	81°21'24.71"E
			B	26°57'33.90"N	81°21'25.94"E
			C	26°57'32.07"N	81°21'24.82"E
			D	26°57'32.77"N	81°21'23.41"E
		967	A	26°57'34.11"N	81°21'26.09"E
			B	26°57'33.29"N	81°21'27.49"E
			C	26°57'31.88"N	81°21'26.66"E
			D	26°57'31.90"N	81°21'26.46"E
			E	26°57'30.76"N	81°21'25.81"E

			F	26°57'31.50"N	81°21'24.46"E
		968	A	26°57'31.37"N	81°21'27.72"E
			D	26°57'31.90"N	81°21'26.46"E
			E	26°57'30.76"N	81°21'25.81"E
			F	26°57'30.22"N	81°21'27.00"E
13.	Total Geological Reserves	17050 m <sup>3</sup>			
14.	Total Mineable Reserve (as per Approved Mine Plan)	15345 m <sup>3</sup>			
15.	Total Proposed Production	12000m <sup>3</sup> (for 3 months)			
16.	Proposed Production (In 3 months)	12000m <sup>3</sup> (for 3 months)			
17.	Sanctioned Period of Mine lease	03 months			
18.	Method of Mining	Opencast, Semi-Mechanized			
19.	No. of working days	90			
20.	Working hours/day	8			
21.	No. of worker	20			
22.	No. of vehicles movement/day	11			
23.	Type of Land	Private land			
24.	Ultimate of Depth of Mining	2.2m			
25.	Nearest metalled road from site	200m			
26.	Water Requirement	PURPOSE		REQUIREMENT (KLD)	
		Drinking		0.20 KLD	
		Suppression of dust		0.80 KLD	
		Plantation		0.10 KLD	
		Total		1.10 KLD	
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (servicing environment and development) Lucknow Certificate no. NABET/EIA/2124/RA 0224 Valid- Till May 2024			
28.	Any litigation pending against the project or land in any court	No			
29.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no.			
30.	Details of Lease Area in approved DSR	0.775 ha.			
31.	Proposed CER cost	Rs.			
32.	Proposed EMP cost	Total project cost- Rs 6 lakhs, EMP Cost-Rs. 55000/-			
33.	Length and breadth of Haul Road	200m & 6m			
34.	No. of Trees to be Planted	50			

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 07/05/2022 mentioning is as follows:

- I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development).
- I have prepared EC application report for the (Proposal No. SIA/UP/MIN/265877/2022, soil mine by Priyanshi Construction) with my team.

3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO. 04**

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes

5. **Soil Excavation from Gata No.- 03, 97 Village-Singhariva, District- Sitapur, U.P., Shri Arvind Kumar., Area –1.219 ha. File No. 7045/Proposal No. SIA/UP/MIN/268273/2022**

**RESOLUTION AGAINST AGENDA NO. 05**

The project proponent/consultant vide letter dated 11/05/2022 have requested to defer the matter in upcoming SEAC meeting due to some unavoidable circumstances. The committee agreed with the request made by project proponent and directed to defer the matter in upcoming SEAC meeting. The matter will be discussed only after submission of online request on prescribed online portal.

6. **Stone (Khanda, Boulder, Bailast (Gitti) at GataNo.-791 Kha, Khand No.1, Village-Paswara, Distt-Mahoba, Shri Subhash Chandra., Area : 4.0 ha. File No. 7053/6660/Proposal No. SIA/UP/MIN/ 75977/2021**

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

1. The environmental clearance is sought for “Building Stone (Khanda, Boulder, Bailast (Gitti))” Project at Gata No.-791 Kha (Khand No.- 1), Village- Paswara, Tehsil- Mahoba, District- Mahoba, State-Uttar Pradesh, (Leased Area- 4.00 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 440/Parya/SEIAA/6660/2021, dated 08/01/2022.
3. The public hearing was organized on 24/03/2022. Final EIA report submitted by the project proponent on 27/04/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/75977/2021
2.	File No. allotted by SEIAA, UP	7054 / 6660
3.	Name of Proponent	Shri Subhash Chandra S/o Shri Suraj Prasad
4.	Full correspondence address of proponent and mobile no.	R/o- Mohalla- Bajrang Chauk, Gandhi Nagar, Tehsil & District- Mahoba, U.P.



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5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 791 Kha (Khand No.-1)		
7.	Name of Village	Paswara		
8.	Tehsil	Mahoba		
9.	District	Mahoba		
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti)		
11.	Sanctioned Lease Area (in Ha.)	4.00 ha.		
12.	Max.& Min mrl within lease area	240.0 mRL- 207.0 mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25°17'33.968"N	79°57'27.305"E
		B	25°17'33.385"N	79°57'31.914"E
		C	25°17'29.108"N	79°57'32.364"E
		D	25°17'28.031"N	79°57'22.918"E
		E	25°17'30.703"N	79°57'24.008"E
14.	Total Geological Reserves	4550096 m <sup>3</sup>		
15.	Total Mineable Reserves	1461798 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	620000 m <sup>3</sup>		
17.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	124000 m <sup>3</sup>	
		2 <sup>nd</sup>	124000 m	
		3 <sup>rd</sup>	124000 m	
		4 <sup>th</sup>	124000 m	
		5 <sup>th</sup>	124000 m	
		Total	620000 m <sup>3</sup>	
18.	Sanctioned Period of Mine lease	10 Year		
19.	Method of Mining	Opencast Semi-Mechanized		
20.	No.of working days	300 days		
21.	Working hours/day	8 Hours/Day		
22.	No.Of workers	40 (average)		
23.	No.Of vehicle movement /day	42 (average)		
24.	Type of Land	Govt. Land		
25.	Ultimate Depth of Mining	24 meter (average)		
26.	Nearest metalled road from site	0.5 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.40	
		Suppression of dust	3.00	
		Plantation	4.00	
		Others( if any)	-----	
		Total	7.40	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 1132/MMC-30/2021-22, Dated 03 <sup>rd</sup> August, 2021		
31.	Details of Lease Area in approved DSR	Page No.- 02, S.No.- 18		
32.	Proposed CER cost	1.75 Lakh		
33.	Proposed EMP cost	27.45 Lakh		
34.	Length and breadth of Haul Road.	Length- 0.50 km, Width- more than 6.0 m		
35.	No. of Trees to be Planted	4000		

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.

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

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 19/04/2022 mentioning is as follows:

1. I, Dr. Abdul Rahman S/o Sri Mohammad Khalid am EIA Coordinator of Paramarsh Servicing Environment and Development.
2. I have prepared EIA report for the File No. – 7053/6660, Proposal No.- SIA/UP/MIN/75977/2021, of the client Shri Subhash Chandra S/o Shri Suraj Prasad for “Building Stone (Khanda, Boulder, Bailast (Gitti)” Project at Gata No.-791 Kha (Khand No.- 1), Village-Paswara, Tehsil-Mahoba, District-Mahoba, U.P. (Applied Area : 4.0 ha.) with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EIA preparations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
8. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.

#### **RESOLUTION AGAINST AGENDA NO. 06**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

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

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

**7. Stone (Khanda, Boulder, Bailast (Gitti) at GataNo.791 Kha (Khand No.-2), Vill.- Paswara, Sadar, Mahoba, Shri Rakesh Kumar Goswami, Area 4.0 ha. File No. 7054/6602/Proposal No. SIA/UP/MIN/ 75945/2021**

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

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 791 Kha (Khand No.-2), Village- Paswara, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area- 4.00 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 331/Parya/SEIAA/6602/2021, dated 25/11/2021.
3. The public hearing was organized on 24/03/2022. Final EIA report submitted by the project proponent on 27/04/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/75945/2021															
2.	File No. allotted by SEIAA, UP	7054/6602															
3.	Name of Proponent	<b>Shri Rakesh Kumar Goswami S/o Shri Kishor Goswami</b>															
4.	Full correspondence address of proponent	R/o- Mohalla-Khandiya, Tehsil-Charkhari, Distt.- Mahoba, U.P.															
5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project															
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 791 Kha (Khand No.-2)															
7.	Name of Village	Paswara															
8.	Tehsil	Sadar															
9.	District	Mahoba															
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))															
11.	Sanctioned Lease Area (in Ha.)	4.00 ha.															
12.	Max.& Min mRL within lease area	243 mRL- 207 mRL															
13.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillars</th><th>Latitude (N)</th><th>Longitude (E)</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 17' 28.031"</td><td>79° 57' 22.918"</td></tr> <tr> <td>B</td><td>25° 17' 29.108"</td><td>79° 57' 32.364"</td></tr> <tr> <td>C</td><td>25° 17' 24.345"</td><td>79° 57' 33.354"</td></tr> <tr> <td>D</td><td>25° 17' 23.017"</td><td>79° 57' 23.609"</td></tr> </tbody> </table>	Pillars	Latitude (N)	Longitude (E)	A	25° 17' 28.031"	79° 57' 22.918"	B	25° 17' 29.108"	79° 57' 32.364"	C	25° 17' 24.345"	79° 57' 33.354"	D	25° 17' 23.017"	79° 57' 23.609"
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14.	Total Geological Reserves	4556361 m <sup>3</sup>															
15.	Total Mineable Reserves	1275936 m <sup>3</sup>															
16.	Total Proposed Production (in five year)	620000 m <sup>3</sup>															

17.	Proposed Production / year	Year		Production	
		1 <sup>st</sup>		124000 m <sup>3</sup>	
		2 <sup>nd</sup>		124000 m <sup>3</sup>	
		3 <sup>rd</sup>		124000 m <sup>3</sup>	
		4 <sup>th</sup>		124000 m <sup>3</sup>	
		5 <sup>th</sup>		124000 m <sup>3</sup>	
		Total		620000 m <sup>3</sup>	
18.	Sanctioned Period of Mine lease	10 Years			
19.	Method of Mining	Opencast Semi-Mechanized			
20.	No.of working days	300 days			
21.	Working hours/day	8 Hours/Day			
22.	No.Of workers	40			
23.	No.Of vehicle movement /day	35 (approx.)			
24.	Type of Land	Govt. revenue land			
25.	Ultimate Depth of Mining	18 meter (average)			
26.	Nearest metalled road from site	0.50 km			
27.	Water Requirement	PURPOSE		REQUIREMENT (KLD)	
		Drinking & Others		0.40	
		Suppression of dust		3.00	
		Plantation		4.00	
		Others( if any)		-----	
		Total		7.40	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024			
29.	Any litigation pending against the project or land in any court	No			
30.	Details of 500 m Cluster certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 1128/MMC-30/ 2020-21 Dated 03/08/2021			
31.	Details of Lease Area in approved DSR	Page No.- 02, Sr. No.- 19			
32.	Proposed CER cost	1.75 Lakh			
33.	Proposed EMP cost	27.45 Lakh			
34.	Length and breadth of Haul Road.	Length- 0.50 km, Width- more than 6.0 m			
35.	No. of Trees to be Planted	4000			

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 19/04/2022 mentioning is as follows:

- I, Dr. Abdul Rahman S/o Sri Mohammad Khalid am EIA Coordinator of Paramarsh Servicing Environment and Development.
- I have prepared EIA report for the File No. – 7054/6602, Proposal No.- SIA/UP/MIN/75945/2021, of the client Shri Rakesh Kumar Goswami S/o Shri Kishor Goswami for “Building Stone (Khanda, Boulder, Bailast (Gitti))” Project at Gata No.- 791 Kha (Khand No.- 2), Village- Paswara, Tehsil- Sadar, District- Mahoba, U.P. (Applied Area : 4.0 ha.) with my team.
- I have personally visited the site of proposal.

4. I have satisfied with that all the necessary data/information required for EIA preparations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
8. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.

**RESOLUTION AGAINST AGENDA NO. 07**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

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

**8. Sand/Morrum Mining From Rihand Riverbed at Araj No.-246, Khand No.- Sa, Village-Khebandha, Tehsil-Obra, Sonbhadra., Shri Sachin Agarwal, M/s Omaxe Minerals Pvt. Ltd., Area-7.00 Ha. File No. 6384/Proposal No. SIA/UP/MIN/64075/2021**

**RESOLUTION AGAINST AGENDA NO. 08**

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

**9. Group Housing Project (Type-E (Saya S Class) at Plot No.10 (10/2), Vaibhav Khand, Indirapuram, Ghaziabad (U.P.) M/s Shipra Estate Ltd. File No. 7024/Proposal No. SIA/UP/MIS/266903/2022**

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

1. The environmental clearance is sought for Group Housing Project (Type-E (Saya S Class) at Plot No.10 (10/2), Vaibhav Khand, Indirapuram, Ghaziabad, U.P., (U.P.) M/s Shipra Estate Ltd.
2. Salient features of the project:

1.	Plot Area	7822 m <sup>2</sup>
2.	Built-up Area	96551.65 m <sup>2</sup>
3.	Green Area	800 m <sup>2</sup>
4.	Estimated Water Requirement with source Construction Phase Operational Phase	Total Water requirement:- 189.69 KLD Says 190 KLD Freshwater= 118.40 KLD through GDA Treated water = 71.29 KLD (On-Site STP)
5.	Estimated wastewater generation and treatment	147.02 KLD (STP Capacity 180 KLD)
6.	Power Demand and Source Power Back-up	Total Power Requirement : 1750 kVA (Source : Grid supply of Ghaziabad Power Department) 2 no. of DG set of total capacity 1700 KVA (2x700 + 1x300 KVA)
7.	Solid Waste Generation	In construction phase-52 Kg/day In operation phase-707.5 Kg/day
8.	Parking Facilities	Total Required E.C.S. – 422.4 Total Proposed E.C.S.- 422
9.	RWH Pits	2 pits
10.	Project Cost	250 Crore
11.	Project Completion Date	<b>December, 2027</b>

3. Detailed area statement:

Area Summary Sheet				
	Particulars		Area	Unit
	Total Plot Area		7822	SQ.MT
	Net FAR Available For Plot 10/2 (At 10)		57346.99	SQ.MT
	5% Green Building FAR		2867.35	SQ.MT
	Net FAR Allowed		60214.34	SQ.MT
	Consumed FAR		60213.84	SQ.MT
	Permissible 5% Service FAR	5%	2867.35	SQ.MT
	Permissible Ground Coverage	35%	2737.7	SQ.MT

	Proposed Total Ground Coverage	33.20%	2600	SQ.MT
	TOTAL FAR ACHIEVED (A+B+C)		60213.84	SQ.MT
(a)	Tower A FAR Area		30091.9	SQ.MT
(b)	Tower B FAR Area		30121.94	SQ.MT
	Proposed Dwelling Units		246	NO.S
	Total Density		1230	PEOPLE
	Parking Required		422.4	ECS
	Parking Proposed		422	ECS
	Total Built-up Area (A+B+C)		96551.65	SQ.MT
(a)	FAR Area		60213.84	SQ.MT
(b)	Non FAR Area		33470.45	SQ.MT
(c)	Service FAR Area		2867.36	SQ.MT

**4. Water calculation details:**

S.No.	Description	Occupancy	Water Requirement as per CGWA Norms	Domestic Water Requirement (KLPD)	Flushing Water Requirement (KLPD)
1	Residential :				
1.1	Residents Poulation (246 Dwelling Units@5 Person per DU)	1230	135	116.24	49.82
1.2	Visitors@ 10% of total Population	123	15	0.62	1.23
1.3	Staff@5% of total Population	62	45	1.55	1.24
	Total			118.40	52.29
2	Waste water generation (80 % of Domestic Water + 100% of Flushing Water)			147.02	KLD
2.1	Proposed capacity of STP			180.00 (GDA STP & Sewer line will be used)	KLD
2.2	Total Treated Water Generation			132.31	KLD
3	Gardening/Horticulture			9	KLD
4	DG Cooling & water sprinkling on roads			10	KLD

**5. Parking details:**

PARKING AREA REQUIRMENT							
S.NO.	UNIT	UNIT COVERED AREA SQ.MT.	NO.OF FLATS	ECS REQUIRED/ UNIT	Total parking		
1	5BHK + 5T	249.55	119	1.5	178.5	Nos.	TOWER A & B
2	4B+4T	208.2	119	1.5	178.5	Nos.	
3	4B+4T	208.07	4	1.5	6	Nos.	TOWER A & B
4	3B+3T	178.83	4	1.5	6	Nos.	
5	VISITOR PARKING				37	Nos.	
	Total required parking				406	Nos.	
6	COMMUNITY		820	2	16.4	Nos.	
	TOTAL REQUIRED PARKING				422.4	Nos.	
	TOTAL PROPOSED PARKING				422	Nos.	

**6. The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended).**

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 11/05/2022 mentioning is as follows:

1. I, Laxmi Singh D/o Ram Murti Singh is EIA Coordinator of Ambiantal Global Pvt. Ltd.
2. I have prepared EIA/EMP report for the File No. 7024, Proposal No. SIA/UP/MIS/266903/2022, Name- Group Housing Project (Type-E (Saya S Class) with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO-09**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with following standard environmental clearance conditions prescribed by MoEF&CC, GoI:**

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
2. The project proponent shall comply the use of fuel for backup power as per guidelines by "Commission of Air Quality Management in NCR", directions of courts and CPCB shall be strictly adhered regarding DG sets (cleaner fuel as PNG/CNG/permissible fuel in NCR). The project proponent shall follow the orders/guidelines issued by Hon'ble Court(s)/Competent authorities from time to time.
3. Project Proponent should adopt 02 villages & develop them as model village.
4. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
  3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
  7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.



9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
5. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  5. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  7. Wet jet shall be provided for grinding and stone cutting.
  8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.
6. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is

commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
7. Noise monitoring and prevention:
  1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
8. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
9. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
10. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
11. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    - b. Traffic calming measures.
    - c. Proper design of entry and exit points.
    - d. Parking norms as per local regulation.
  2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
12. Human health issues :
1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  4. Occupational health surveillance of the workers shall be done on a regular basis.
  5. A First Aid Room shall be provided in the project both during construction and operations of the project.
13. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of

implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

**14. Miscellaneous:**

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

- 10. Proposed Establishment of formaldehyde manufacturing plant of capacity - 39600 MT/Annum (120 MT/Annum) at Plot No- B-2/2, UPSIDC, Industrial Area Sandila Phase- IV, Village: Raison, Tehsil: Sandila, District: Hardoi, Shri Manu Gupta, M/s Om Chemtech. File No. 6557/Proposal No. SIA/UP/IND3/ 66903/2021**

**RESOLUTION AGAINST AGENDA NO. 10**

The project proponent vide letter dated 11/05/2022 have requested to defer the matter in next SEAC meeting. The committee agreed with the request made by the project proponent and directed to list in matter in next SEAC meeting dated 18/05/2022.

- 11. Proposed Commercial (Trehan-IRIS) Project at Plot No.C-02, Sector-Ecotech- 12, Greater Noida, Shri Aditya Yadav, M/s Ruvik Build Tech Private Ltd. File No. 7038/Proposal No. SIA/UP/MIS/ 265557/2022**

**RESOLUTION AGAINST AGENDA NO. 11**

The committee discussed the matter and directed that the EIA coordinator personally visit the site and send recent photographs of the project site. They should also recalculate the water balance including estimation of population and present it again. It will be appropriate that director of the company should come before the committee and explain the project.

- 12. Commercial Hub “Knowledge Park-2” Plot No. C-03 and 04, Sector Knowledge Park-2, Greater Noida, U.P., M/s Vinayaka Expo Plaza Private Limited. File No. 6692/Proposal No. SIA/UP/MIS/ 232145/2021**

The committee noted that the matter was earlier discussed in 619<sup>th</sup> SEAC meeting dated 27/01/2022 and directed the project proponent to submit following information:

1. The committee observed that the structural stability certificate vetted by Shri M.A. Iqbal, Professor, Department of Civil Engineering, IIT, Roorkee mentioned that “The opinion contained in this letter is my personal professional opinion and should not be considered as the opinion of IIT, Roorkee. IIT, Roorkee shall not be responsible for any lapses during execution. All procedural/legal/operational matters and architectural/functional details will be responsibility of the owner”. The structural stability certificate vetted in individual capacity, not by the IIT, Roorkee. The project proponent should submit the structural stability certificate along with structural drawing vetted by Govt. Institutions.
2. Revised CER details along with bifurcation of cost estimation.
3. Revised green belt with number of trees (100 trees) as advised by SEAC during the presentation.
4. Project proponent/consultant should submit the signed copy of power point presentation.

The project proponent submitted their replies vide letter dated 02/05/2022 and the matter was listed in 652<sup>nd</sup> SEAC meeting dated 11/05/2022. The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ambiantal Global Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Commercial Hub “Knowledge Park-2” Plot No. C-03 and 04, Sector Knowledge Park-2, Greater Noida, U.P., M/s Vinayaka Expo Plaza Private Limited.
2. The project was spread over an area of 9468.86 m<sup>2</sup> (2.3398 acres) and built-up- Area is 31,285.05 sq.mt.
3. Salient features of the project:

S.No.	Description	Proposed
1.	Plot Area	9468.86 m <sup>2</sup>
2.	Built-up Area	31,285.05 m <sup>2</sup>
3.	Green Area	1433 m <sup>2</sup> (25.18 % of the open area )
4.	Water Requirement Construction Phase Operational Phase	437 KL (STP treated near by CSTP) 119 KLD (fresh water 24KLD municipal Supply)
5.	Fresh Water Requirement	24 KLD
6.	Wastewater Generation	75 KLD
7.	Capacity of STP	90 KLD
8.	Solid Waste Generation	553 kg/day
9.	Parking Facilities Required Total Parking required Total parking proposed	378 ECS 389 ECS
10.	Power Demand & Source	3144.41 kVA, (UPPCL)
11.	Back up	3 No. of D.G Sets of total Capacity 2770 kVA (2 no. 1010 kVA + 1 no. 750 kVA)
12.	RWH Pits	2 pits
13.	Project Cost	150 crore
14.	Expected Date of Completion	5 Years after the grant of EC
15.	Population	3553

4. Area details;

S. No.	Particulars	Area(m <sup>2</sup> )
1.	Total Plot Area	9468.86
2.	Permissible Ground Coverage (@ 40% of PlotArea)	3787.544
3.	Proposed Ground Coverage (@ 39.92% of PlotArea)	3780.064
4.	Permissible F.A.R. @ 2	18937.92
5.	Proposed F.A.R Area	18886.174
6.	Total Non-F.A.R Area	12514.79
	a) Commercial Non-FAR area	=999.198
	b) Basement 1	= 5599.885
	c) Basement 2	=5651.365
	d) Mumty area & water tank	=264.342
7.	Total Built- Up Area (5+6)	31,285.05
8.	Landscape Area Required @ (25% of open area)	1422
9.	Landscape Area Proposed @ (25.18% of open area)	1433
10.	Maximum Height of the Building	23.950 M

5. Water calculation details:

S. No	Particulates	Occupancy	Rate of Water Demand (lpcd)	Total Water Requirement (KLD)
1	Ground Floor to 1 <sup>st</sup> floor (Shops)	2936	-	-
	Staff (@10%)	293	30	8.79
	Visitor (@90%)	2642	15	39.6
2	Second Floor (office)	328	-	-
	Staff (@90%)	295	30	8.85
	Visitor (@10%)	32	15	0.48
3	3th Floor to 4 <sup>th</sup> floor (guest room)	252	86	21.67
	Staff (@5%)	12	30	0.36
	Visitor (@10%)	25	15	0.37



Domestic Water demand				80.12 say 80 KLD
4.	Horticulture	1433 sqm	6 lit/sqm/day	8 KLD
5.	HVAC Cooling (12 hrs )	373 TR	7/lit/TR/hr	31.3
Total Water Requirement				119 KLD

6. Waste water details:

Domestic Water Requirement		80 KLD
Total Fresh Water Requirement(@ 30 % of domestic)		24 KLD
Flushing (@ 70 % of domestic)		56 KLD
Wastewater Generated (@ 80% fresh domestic water + 100% flushing)		(19.2 + 56) KLD = 75 KLD
STP capacity		90 KLD

7. Solid waste details:

S. No.	Category	kg per capita per day	Waste generated (kg/day)
1.	Domestic Waste		
(a)	Staffs	599 @ 0.25 kg/day	149
(b)	Visitors	2699 @ 0.15 kg/day	404
2.	Landscape waste	0.354 acres @ 0.2 kg/acre/day	0.070
	Total solid waste generated		553.07 kg/day say 553 kg/day

8. The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended).

The project proponent/consultant (EIA Coordinator) also informed that they have submitted an affidavit dated 11/05/2022 mentioning is as follows:

1. I, Laxmi Singh D/o Ram Murti Singh is EIA Coordinator of Ambiantal Global Pvt. Ltd.
2. I have prepared EIA/EMP report for the File No. 6692, Proposal No. SIA/UP/MIS/232154/2022, Name- Group Housing Project “Commercial Hub “Knowledge Park-2” with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with following standard environmental clearance conditions prescribed by MoEF&CC, GoI:**

1. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
2. The project proponent shall comply the use of fuel for backup power as per guidelines by “Commission of Air Quality Management in NCR”, directions of courts and CPCB shall be strictly adhered regarding DG sets (cleaner fuel as PNG/CNG/permissible fuel in NCR). The project proponent shall follow the orders/guidelines issued by Hon’ble Court(s)/Competent authorities from time to time.
3. Project Proponent should adopt 02 villages & develop them as model village.
4. Statutory compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
5. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  5. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet

- covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  7. Wet jet shall be provided for grinding and stone cutting.
  8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.
6. Water quality monitoring and preservation:
1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water

- harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
  13. All recharge should be limited to shallow aquifer.
  14. No ground water shall be used during construction phase of the project.
  15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
  16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening.
  18. No sewage or untreated effluent water would be discharged through storm water drains.
  19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
  20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
  21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
7. Noise monitoring and prevention:
1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
8. Energy Conservation measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
9. Waste Management:
  1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
  8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
  9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
  10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

**10. Green Cover:**

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

**11. Transport:**

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**12. Human health issues :**

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

4. Occupational health surveillance of the workers shall be done on a regular basis.
5. A First Aid Room shall be provided in the project both during construction and operations of the project.
13. Corporate Environment Responsibility:
  1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
14. Miscellaneous:
  1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report.

9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

**(Umesh Chandra Sharma)**  
**Member**

**(Dr. Ratan Kar)**  
**Member**

**(Shri Ashish Tiwari)**  
**Member-Secretary, SEAC-1**

**(Rajive Kumar)**  
**Chairman**

**Nodal, SEAC-1**

MoM prepared by Secretariat in consultation with  
Chairman & Members on the basis of decisions  
taken by SEAC-1 during the meeting.



**Annexure-1**

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

**A. General Conditions:**

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

18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1<sup>st</sup> June and 1<sup>st</sup> 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 whichever is less. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.

12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.

25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be

- covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
  39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
  40. Project Proponent shall explore the possibility of using solar energy where ever possible.
  41. Commitment towards CER has to be followed strictly.
  42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
  43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
  44. The blasting will be done only after getting permission from the Mining Department.

**Annexure-2**

**General and Specific Conditions for Soil Earth Mining Projects:-**

**General condition:**

1. This environmental clearance does not create or verify any claim of 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 land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of 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 Environment (Protection) Act, 1986.

**Specific Conditions:**

1. The Environmental clearance will be co-terminus with the agreement/mining plan whichever is less.
2. Environment management should be in accordance with the present environment status of the project.
3. Approach kaccha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be leveled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.
15. The project boundary shall be properly covered to restrict dust dispersion.

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