

Minutes of 625th SEAC Meeting Dated 15/02/2022

The 625th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 15/02/2022. 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. | Dr. Ajai Mishra, | Member, SEAC-1 (through VC) |

The Chairman welcomed the members to the 625th 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. Sand/ Morrum Mining from Niji Bhoomi at Arazi No. 6400k, 6400kh, Village- Ghaghara, Tehsil- Dudhi, Sonbhadra, Shri Harivansh Singh. area- 1.876 ha., File No. 6800/Proposal No. SIA/UP/MIN/247413/2021

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

1. The environmental clearance is sought for "Sand/ Morrum Mining from Niji Bhoomi at Arazi No. 6400k, 6400kh, Village- Ghaghara, Tehsil- Dudhi, Sonbhadra, U.P., (Leased area- 1.876 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/247413/2021		
2.	File No. allotted by SEIAA, UP	6800		
3.	Name of Proponent	Shri Harivansh Singh S/o- Bagholan		
4.	Full correspondence address of proponent and mobile No.	Village- Ghaghara, Post- Ghaghara Tehsil - Dudhi		
		District -Sonbhadra (U.P.).		
		Mobile No-		
		Email-		
5.	Name of Project	Ghaghara Morrum Mining Project from Private land (Niji Bhoomi)		
6.	Project location (Plot/Khasra/Gata No.)	Arazi No.6400k, 6400kh		
7.	Name of River	Kanhra		
8.	Name of Village	Ghaghara		
9.	Tehsil	Dudhi		
10.	District	Sonbhadra		
11.	Name of Minor Mineral	Morrum		
12.	Sanctioned Lease Area (in Ha.)	1.876		
13.	Max & Min mRL within lease area	Max- 350mRL and Min-348mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	23°58'35.28"N	83° 8'17.47"E
		B	23°58'40.01"N	83° 8'17.21"E
		C	23°58'41.72"N	83° 8'17.12"E

		D	23°58'45.17"N	83° 8'18.37"E
		E	23°58'51.17"N	83° 8'21.63"E
		F	23°58'50.38"N	83° 8'22.77"E
		G	23°58'43.70"N	83° 8'19.02"E
		H	23°58'41.16"N	83° 8'18.19"E
		I	23°58'38.57"N	83° 8'18.20"E
		J	23°58'35.30"N	83° 8'18.65"E
15.	Total Geological Reserves	56,964cum		
16.	Total Mineable Reserves in LOI	40,000cum in 6 months		
17.	Total Proposed Production	40,000cum in 6 months		
18.	Proposed Production/year	40,000cum in 6 months		
19.	Sanctioned Period of Mine lease	6 months		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	180 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	35		
24.	No. of vehicles movement/day	17		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	2.534		
27.	Nearest metalled road from site	1.0 km		
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.35
		For Mobile Toilet		0.35
		Suppression of dust		2.70
		Plantation		3.80
		Others (if any)		-
		Total		7.20
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified by District Mining Officer		
32.	Details of Lease Area in approved DSR	Yes area is in DSR		
33.	Proposed CER cost	Rs1,36,000 /-		
34.	Proposed EMP cost	Capital Rs23,87,200/- Recurring Rs2,44,000/-		
35.	Length and breadth of Haul Road	Length: 0.225 km, width: 6 m		
36.	No. of Trees to be Planted	1876 plants		

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

RESOLUTION AGAINST AGENDA NO. 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-2 to these minutes.

2. Stone (Gitti/Boulder) at Gata No.-7536 Ga Mi , Village- Billimarkundi, Tehsil- Obra, Sonbhadra, Shri Arun Singh Yadav, M/s Shri Mahadev Enterprises., Area : 4.900 ha., File No. 6803/Proposal No. SIA/UP/MIN/70053/2021

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. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Building Stone (Gitti/ Boulder (Dolo Stone)) Mining at Gata No.- 7536 Ga Mi, Village- Billimarkundi, Tehsil- Obra, District- Sonbhadra, U.P., (Leased Area- 4.900 ha.), M/s Shri Mahadev Enterprises.
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/70053/2021	
2.	File No. allotted by SEIAA, UP	6803	
3.	Name of Proponent	M/s Shri Mahadev Enterprises, Contact Person- Shri Arun Singh Yadav S/o Shri Kripa Shankar Yadav	
4.	Full correspondence address of proponent	R/o- G.F-1, Signature Square, Shivnagar Colony, Obra, Tehsil- Obra, Distt. Sonbhadra, U.P.	
5.	Name of Project	Building Stone (Gitti/ Boulder (Dolo Stone)) Mining Project	
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 7536 Ga Mi	
7.	Name of Village	Billimarkundi	
8.	Tehsil	Obra	
9.	District	Sonbhadra	
10.	Name of Minor Mineral	Building Stone (Gitti/ Boulder (Dolo Stone))	
11.	Sanctioned Lease Area (in Ha.)	4.900 ha.	
12.	Max.& Min mRL within lease area	221 mRL- 188 mRL	
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N) Longitude (E)
		A	24°27'58.45"N 83° 1'34.90"E
		B	24°28'06.34"N 83° 1'34.09"E
		C	24°28'06.56"N 83° 1'40.45"E
		D	24°28'02.99"N 83° 1'40.66"E
		E	24°28'00.95"N 83° 1'45.35"E
		F	24°27'58.15"N 83° 1'37.31"E
14.	Total Geological Reserves	4211907 m ³	
15.	Total Mineable Reserves	1553226 m ³	
16.	Total Proposed Production (in five year)	784000 m ³	
17.	Proposed Production / year	Year	Production
		1 st	156800 m ³
		2 nd	156800 m ³
		3 rd	156800 m ³
		4 th	156800 m ³
		5 th	156800 m ³
		Total	784000 m ³
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	46	

23.	No.Of vehicle movement /day	53 (approx.)	
24.	Type of Land	Govt. revenue land	
25.	Ultimate Depth of Mining	19.0 meter (average)	
26.	Nearest metalled road from site	0.60 km	
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.50
		Suppression of dust	3.60
		Plantation	4.90
		Others(if any)	-----
		Total	9.00
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. NABET/EIA/2124/RA 0224 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, Sonbhadra vide Letter No. 3254/Khanij/2021, Dated 30/09/2021	
31.	Details of Lease Area in approved DSR	Sudhi Patra No.-4616/khanij/2022, Dated 01-01-2022 at Page No.-1, S.No.- 3	
32.	Proposed CER cost	2.0 Lakh	
33.	Proposed EMP cost	34.0 Lakh	
34.	Length and breadth of Haul Road.	Length- 0.60 km, Width- more than 6.0 m	
35.	No. of Trees to be Planted	4900	

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

RESOLUTION AGAINST AGENDA NO. 02

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
2. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
3. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
4. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
5. Water requirement details along with source of water.
6. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

3. Sand Mining from Kosi River bed at Gata No.-787, at Village- BhuwaraEhatmali, Tehsil- Swar, Rampur., M/s Baba Deep Singh Enterprises, Leased Area -2.21 ha., File No. 6806-6087/Proposal No. SIA/UP/MIN/70561/2021

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

1. The environmental clearance is sought for “Sand/ Morrum Mining from Niji Bhoomi at Arazi No. 6400k, 6400kh, Village- Ghaghara, Tehsil- Dudhi, District- Sonbhadra., Shri Harivansh Singh. area- 1.876 ha.,
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no 05/ Parya/ SEAC/ 6105/2019, dated 06.04.2021.
3. The public hearing was organized on 20/11/2021 at Auditorium, Tehsil- Dudhi, District- Sonbhadra. Final EIA report submitted by the project proponent on 27/12/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/70561/2020																		
2.	File No. allotted by SEIAA, UP	6806/6087																		
3.	Name of Proponent	M/s Baba Deep Singh Enterprises Prop: Shri Malkit Singh																		
4.	Full correspondence address of proponent and mobile No.	R/o Village- Math khera, Tehsil- Swar, District– Rampur,Uttar Pradesh. Mobile No- Email-																		
5.	Name of Project	Proposed riverbed Ordinary Sand mining project																		
6.	Project location (Plot/Khasra/Gata No.)	787																		
7.	Name of River	-																		
8.	Name of Village	Bhuwara Ehatmali																		
9.	Tehsil	Swar																		
10.	District	Rampur																		
11.	Name of Minor Mineral	Ordinary Sand																		
12.	Sanctioned Lease Area (in Ha.)	2.21																		
13.	Max & Min mRL within lease area	Max- 217mRL and Min- 215.55mRL																		
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th colspan="3">Sanctioned Mining Lease Area</th></tr> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>29° 5.311'N</td><td>79° 1.320'E</td></tr> <tr> <td>B</td><td>29° 5.228'N</td><td>79° 1.285'E</td></tr> <tr> <td>C</td><td>29° 5.278'N</td><td>79° 1.200'E</td></tr> <tr> <td>D</td><td>29° 5.359'N</td><td>79° 1.233'E</td></tr> </tbody> </table>	Sanctioned Mining Lease Area			Pillar No.	Latitude	Longitude	A	29° 5.311'N	79° 1.320'E	B	29° 5.228'N	79° 1.285'E	C	29° 5.278'N	79° 1.200'E	D	29° 5.359'N	79° 1.233'E
Sanctioned Mining Lease Area																				
Pillar No.	Latitude	Longitude																		
A	29° 5.311'N	79° 1.320'E																		
B	29° 5.228'N	79° 1.285'E																		
C	29° 5.278'N	79° 1.200'E																		
D	29° 5.359'N	79° 1.233'E																		
15.	Total Geological Reserves	66,000 cum																		
16.	Total Mineable Reserves in LOI	32,000 cum in 6 months																		
17.	Total Proposed Production	32,000 cum in 6 months																		
18.	Proposed Production/year	32,000 cum in 6 months																		
19.	Sanctioned Period of Mine lease	6 months																		
20.	Production of mine/day	177.77																		
21.	Method of Mining	Open Cast Semi-mechanized Method																		
22.	No. of working days	180 days																		
23.	Working hours/day	8 hrs																		
24.	No. of workers	51																		
25.	No. of vehicles movement/day	14																		
26.	Type of Land	Government waste land																		

27.	Ultimate Depth of Mining	1.45
28.	Nearest metalled road from site	0.9 km
29.	Water Requirement	PURPOSE
		Drinking
		Suppression of dust
		Plantation
		Others (if any)
		Total
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022
31.	Any litigation pending against the project or land in any court	No
32.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified
33.	Details of Lease Area in approved DSR	Yes, given in the DSR
34.	Proposed CER cost	Rs 1,10,000/-
35.	Proposed EMP cost	Rs2,49,000 Recurring Cost Rs. 23,20,000/- Capital Cost including CER
36.	Length and breadth of Haul Road	Length: 0.786 km, width: 6 m
37.	No. of Trees to be Planted	2210 plants

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

RESOLUTION AGAINST AGENDA NO. 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-2 to these minutes.

4. **Stone (Boulder, Khanda / Gitti-Ballast” at Gata No. 115 (Khand No.- 02), in Village-Habupura, Tehsil- Garautha, Jhansi,U.P., Area- 3.238 Ha., File No. 6808-6024/Proposal No. SIA/UP/MIN/70159/2021**

RESOLUTION AGAINST AGENDA NO-04

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 level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

5. Soil Mining at Khasra/Gata No.– 307, 764, 766, 668, 671, 682Ga, 749Kha,750Ga, 779kha & 780Kha, Village- Narhi, Sitapur.Area 1.037 ha., File No. 6811/Proposal No. SIA/UP/MIN/246615/2021

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

1. The environmental clearance is sought for “Ordinary Earth Mining at Araji/Gata no.- 307, 764, 766, 668, 671, 682Ga, 749Kha, 750Ga, 779kha & 780Kha, Village-Narhi, Tehsil-Sitapur, District-Sitapur, U.P., developed by Ashfaq Ahmad, (Leased Area-1.037 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/246615/2021			
2.	File No. allotted by SEIAA, UP	6811			
3.	Name of Proponent	Ashfaq Ahmad S/o Sabir Hussain			
4.	Full correspondence address of proponent and mobile no.	Ashfaq Ahmad S/o Sabir Hussain			
		R/o Bhooda, Thana Bhojipur, Tehsil & District Bareilly, Uttar Pradesh.			
		Mobile no.-			
		E-mail Id- ashfaqahmad541818@gmail.com			
5.	Name of Project	Ordinary Earth Mining Village –Narhi, Tehsil-Sitapur, District–Sitapur, Uttar Pradesh			
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –307, 764, 766, 668, 671, 682Ga, 749Kha, 750Ga, 779kha & 780Kha, Village –Narhi, Tehsil-Sitapur, District–Sitapur, Uttar Pradesh			
7.	Name of River	NA			
8.	Name of Village	Narhi			
9.	Tehsil	Sitapur			
10.	District	Sitapur			
11.	Name of Minor Mineral	Soil Mining			
12.	Sanctioned Lease Area (in Ha.)	1.037 ha.			
13.	Max. & Min mRL within lease area	Highest-132mRL & Lowest-131mRL			
14.	Pillar Coordinates (Verified by DMO)	Plot No.	Points	Latitude	Longitude
		307	A	27°30'54.69"N	80°42'17.30"E
			B	27°30'53.70"N	80°42'18.32"E
			C	27°30'53.02"N	80°42'16.64"E
			D	27°30'53.62"N	80°42'16.08"E
		668	A	27°30'31.95"N	80°41'55.93"E
			B	27°30'31.48"N	80°41'56.55"E
			C	27°30'30.64"N	80°41'55.74"E
			D	27°30'31.38"N	80°41'54.73"E
		671	A	27°30'31.41"N	80°41'56.57"E
			B	27°30'30.87"N	80°41'57.27"E
			C	27°30'30.29"N	80°41'56.70"E
			D	27°30'30.75"N	80°41'55.92"E
		682Ga	A	27°30'37.28"N	80°42'4.09"E
			B	27°30'36.22"N	80°42'6.27"E
			C	27°30'34.50"N	80°42'4.92"E

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			D	27°30'35.44"N	80°42'3.59"E
			E	27°30'36.23"N	80°42'3.97"E
		749Kha	A	27°30'33.01"N	80°42'12.10"E
			B	27°30'32.71"N	80°42'13.14"E
			C	27°30'31.82"N	80°42'12.87"E
			D	27°30'32.11"N	80°42'11.81"E
		750Ga	A	27°30'32.72"N	80°42'13.16"E
			B	27°30'32.14"N	80°42'15.31"E
			C	27°30'31.35"N	80°42'17.27"E
			D	27°30'30.68"N	80°42'17.10"E
			E	27°30'31.81"N	80°42'12.88"E
		764	A	27°30'32.87"N	80°42'9.85"E
			B	27°30'32.57"N	80°42'10.80"E
			C	27°30'30.92"N	80°42'10.26"E
			D	27°30'31.57"N	80°42'9.08"E
			E	27°30'32.76"N	80°42'9.72"E
		766	A	27°30'32.13"N	80°42'7.60"E
			B	27°30'31.58"N	80°42'9.06"E
			C	27°30'29.47"N	80°42'8.09"E
			D	27°30'30.41"N	80°42'6.46"E
		779Kha	A	27°30'29.94"N	80°42'17.59"E
			B	27°30'28.36"N	80°42'19.40"E
			C	27°30'27.45"N	80°42'19.10"E
			D	27°30'28.85"N	80°42'17.33"E
		780Kha	A	27°30'28.46"N	80°42'19.69"E
			B	27°30'25.69"N	80°42'23.58"E
			C	27°30'24.91"N	80°42'23.30"E
			D	27°30'26.05"N	80°42'20.84"E
			E	27°30'27.40"N	80°42'19.19"E
			F	27°30'28.35"N	80°42'19.48"E
15.	Total Geological Reserves	25925 m ³			
16.	Total Mineable Reserve (as per Approved Mine Plan)	23332 m ³			
17.	Total Proposed Production	23332 m ³ (for 3 months)			
18.	Proposed Production /year	23332 m ³ (for 3 months)			
19.	Sanctioned Period of Mine lease	03 months			
20.	Production of mine/day	259 m ³ /day			
21.	Method of Mining	Opencast, Semi-Mechanized			
22.	No. of working days	90			
23.	Working hours/day	8			
24.	No. of worker	32			
25.	No. of vehicles movement/day	37			
26.	Type of Land	Private land			
27.	Ultimate of Depth of Mining	2.5m			
28.	Nearest metalled road from site	530m			
29.	Water Requirement	PURPOSE		REQUIREMENT (KLD)	
		Drinking		0.32 KLD	
		Suppression of dust		2.12 KLD	
		Plantation		0.06 KLD	

		Total	2.5 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Green Enviro Engineers Pvt. Ltd. Certificate no. NABET/EIA/2124/IA0086 Valid Till September 20,2024	
31.	Any litigation pending against the project or land in any court	No	
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 720/Khanan/Sitapur/2020-21	
33.	Details of Lease Area in approved DSR	1.037 ha.	
34.	Proposed CER cost	Rs. 5000	
35.	Proposed EMP cost	Total project cost- Rs 2.5 Lakhs	
36.	Length and breadth of Haul Road	530m & 6m	
37.	No. of Trees to be Planted	30	

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

RESOLUTION AGAINST AGENDA NO. 05

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to these minutes.

6. Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.-339, (Khand No.-27 New, 40 Old), Village- Daharra, Mahoba, U.P. Area: 2.995 ha., File No. 6812-6390/Proposal No. SIA/UP/MIN/70635/2021

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. 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.-339, (Khand No. 27 New, 40 Old), Village- Daharra, Mahoba, U.P. (Leased Area: 2.995 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 281/Parya/SEIAA/6390/2021 dated 27/10/2021.
3. The public hearing was organized on 24/12/2021. Final EIA report submitted by the project proponent on 29/12/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/70635/2021
2.	File No. allotted by SEIAA, UP	6812/6390
3.	Name of Proponent	M/S. Silver Mist Retail Pvt. Ltd. Directors- Shri Prashant Malviya & Shri Neeraj Davey
4.	Full correspondence address of proponent	R/o-1, Ramganj Ward, Sohagpur, Hausangabad, (M.P)Pin Code- 461005

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5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) MiningProject		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-339 (Khand No.- 27 New, 40 Old),		
7.	Name of Village	Daharra		
8.	Tehsil	Mahoba		
9.	District	Mahoba		
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))		
11.	Sanctioned LeaseArea (inHa.)	2.995ha.		
12.	Max.& Min mRL within lease area	218.0 mRL- 197.0 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 20' 14.953"N	79° 57' 58.068"E
		B	25° 20' 16.562"N	79° 58' 01.218"E
		C	25° 20' 12.448"N	79° 58' 06.434"E
		D	25° 20' 12.246"N	79° 58' 07.870"E
		E	25° 20' 09.131"N	79° 58' 07.546"E
		F	25° 20' 09.243"N	79° 58' 03.557"E
		G	25° 20' 13.301"N	79° 58' 00.570"E
H	25° 20' 12.908"N	79° 58' 00.138"E		
14.	Total Geological Reserves	3014909m ³		
15.	Total Mineable Reserves	973585m ³		
16.	Total Proposed Production (in five year)	740000m ³		
17.	Proposed Production / year	Year	Production	
		1 st	148000m ³	
		2 nd	148000m ³	
		3 rd	148000m ³	
		4 th	148000m ³	
		5 th	148000m ³	
		Total	740000m ³	
18.	Sanctioned Period of Mine lease	10 Years		
19.	Production of mine/day	493m ³ (approx.)		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No. of working days	300 days		
22.	Working hours/day	8 Hours/Day		
23.	No. Of workers	47 (approx.)		
24.	No. Of vehicle movement /day	49-50 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	8 meter BGL (average)		
27.	Nearest metalled road from site	0.25 km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.50	
		Suppression of dust	1.50	
		Plantation	3.0	
		Others(if any)	-----	
		Total	5.0	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 136/MMC-30/ 2020-21 Dated 06 th May, 2021		
32.	Details of Lease Area in approved DSR	DSR Correction Letter No.- 154/MMC-30/ 2020-21 Dated 12 th May, 2021,		

		Page No. 3, Sr No. 92
33.	Proposed CER cost	2.0 Lakh
34.	Proposed EMP cost	24.40 Lakh
35.	Length and breadth of Haul Road.	Length- 250m, Width- more than 6.0 m
36.	No. of Trees to be Planted	3000

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

RESOLUTION AGAINST AGENDA NO. 06

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-4 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. Granite (Khanda & Gitti, Boulder) Mining at Gata No. 41 and 42 (Khand No.-04), Village: Baruwasyodha, Tehsil:Naraini: Banda, Area 2.0 Ha., File No. 6813-6359/Proposal No. SIA/UP/MIN/70623/2021

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 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 “Granite (Khandas & Gitti, Boulder) Mining at Gata No. 41 and 42 (Khand No.-04), Village: Baruwasyodha, Tehsil:Naraini, Banda, U.P. (Leased Area 2.0 Ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 232/Parya/SEIAA/6359/2021 dated 11/10/2021.
3. The public hearing was organized on 24/12/2021. Final EIA report submitted by the project proponent on 29/12/2021.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/70623/2021		
2. File No. allotted by SEIAA, U.P	6813/6359		
3. Name of Proponent	Mr. Ajit Singh Malhotra S/o Mr. Jai Singh Malhotra		
4. Full correspondence address of proponent and mobile no.	R/o- Pipriya, Ward No. 13, Nehru Ward, Near Alka Talkies, Pipriya District- Hoshangabad (M.P.)		
5. Name of Project	Building Stone -Granite -Gitti, Khanda & Boulder mining project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 41 & 42 (Khand No. – 04),		
7. Name of River	NA		
8. Name of Village	Baruwa Syodha		
9. Tehsil	Naraini		
10. District	Banda (U.P.)		
11. Name of Minor Mineral	Building Stone -Granite -Gitti, Khanda & Boulder mining project		
12. Sanctioned Lease Area (in Ha.)	2.0 Ha.		
13. Mineable Area (in Ha.)	1.51 Ha. (Safety Margin 0.49 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 171 & 150 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°11'26.45"N	80°27'33.35"E
	B	25°11'22.94"N	80°27'42.06"E
	C	25°11'21.17"N	80°27'40.78"E
	D	25°11'24.18"N	80°27'31.35"E
17. Total Geological Reserves	7,44,141 m ³		
18. Sanction Quantity as per LOI	20,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	1,00,000 m ³ in five year		
20. Proposed Production/year	20,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years		
22. Production of mine/day	80 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	20		
27. No. Of vehicles movement/day	7-8 Vehicles movement/day		

28. Type of Land	Building Stone -Granite -Gitti, Khanda & Boulder mining project	
29. Ultimate Depth of Mining	6.0 m	
30. Nearest metalled road from site	MDR-11B is 0.45 km towards North-East direction from the project site/NH-49, 1.5 Km towards SE-direction.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.3 KLD
	Dust suppression	7.2 KLD
	Plantation	2.0 KLD
	Others (if any)	-
	Total	9.5 KLD
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. (Letter No. 3304/ Khanij- 30, Banda) Date- 30/12/2020	
35. Details of Lease Area in approved DSR	Corrigendum Letter no:1374/ Khanij-30 dated 13/08/2019 , Page No- 1, Sl. No- 3	
36. Proposed EMP cost	Rs 40,90,000/-	
37. Proposed Total Project cost	Rs. 1,20,00,000/-	
38. Length and breadth of Haul Road	300 m length and 6.0 m width	
39. No. of Trees to be Planted	2000	

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

RESOLUTION AGAINST AGENDA NO. 07

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-4 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. Ordinary Sand Mining at Gata No.- 648, Village- - Dundawala Ahatmali, Tehsil- Swar, District- Rampur, U.P. Area : 1.1030 ha., File No. 6816/Proposal No. SIA/UP/MIN/70645/2021

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. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Ordinary Sand Mining at Gata No.- 648, Village- Dundawala Ahatmali, Tehsil- Swar, District- Rampur, U.P. (Leased Area- 1.1030 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/70645/2021		
2.	File No. allotted by SEIAA, UP	6816		
3.	Name of Proponent	Shri Abdul Vahab S/o Abdul Gaffar		
4.	Full correspondence address of proponent and mobile no.	R/o- Mohalla -Lal Masjid, Tehsil- Sadar ,District- Rampur, U.P.		
5.	Name of Project	Ordinary Sand Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 648		
7.	Name of River	Kosi		
8.	Name of Village	Dundawala Ahatmali		
9.	Tehsil	Swar		
10.	District	Rampur		
11.	Name of Minor Mineral	Ordinary Sand		
12.	Sanctioned Lease Area (in Ha.)	1.1030 ha.		
13.	Max.& Min mrl within lease area	212.0 mRL- 210.0 mRL		
14.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Area (1.1030 Hact)		
		A	29° 04.486'N	79° 00.854'E
		B	29° 04.456'N	79° 00.916'E
		C	29° 04.383'N	79° 00.894'E
		D	29° 04.407'N	79° 00.866'E
15.	Total Geological Reserves	33090 m ³		
16.	Total Mineable Reserves	22653 m ³		
17.	Total Proposed Production (in 6 month)	22000 m ³		

18.	Sanctioned Period of Mine lease	6 month	
19.	Method of Mining	Opencast Semi-Mechanized	
20.	No.of working days	156 days	
21.	Working hours/day	8 Hours/Day	
22.	No.Of workers	32	
23.	No.Of vehicle movement /day	15 (average)	
24.	Type of Land	Personal Land	
25.	Ultimate Depth of Mining	2.60 meter (average)	
26.	Nearest metalled road from site	0.80 km	
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.35
		Suppression of dust	4.80
		Plantation	1.15
		Others(if any)	-----
		Total	6.30
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. NABET/EIA/2124/RA 0224 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, Rampur vide Letter No. 78/Khanij, Dated 04 th December, 2021	
31.	Details of Lease Area in approved DSR	Page No.- 08	
32.	Proposed CER cost	0.85 Lakh	
33.	Proposed EMP cost	10.50 Lakh	
34.	Length and breadth of Haul Road.	Length- 0.80 km, Width- more than 6.0 m	
35.	No. of Trees to be Planted	1110	

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

RESOLUTION AGAINST AGENDA NO. 08

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
2. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
3. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
4. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
5. Water requirement details along with source of water.

9. Sand Mining at Gata No.-3020Mi, Village- Kathauda, Tehsil- Sikandarpur, Ballia, Shrimati Madhuri Singh, AREA- 5.0 ha, File No. 6817/Proposal No. SIA/UP/MIN/248593/2021

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

1. The environmental clearance is sought for for Riverbed Ordinary Sand Mine at Araji/Gata no.- 3020Mi, Village-Kathauda, Tehsil-Sikandarpur, District-Ballia, U.P., (Leased Area-5.0 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/248593/2021															
2.	File No. allotted by SEIAA, UP	6817															
3.	Name of Proponent	Shrimarti Madhuri Singh															
4.	Full correspondence address of proponent and mobile no.	Shrimarti Madhuri Singh R/o Village- Mujauna, Post- Turtipar, Tehsil- Belthar road, District- Ballia, U.P. Mobile no.- E-mail ID- madhuringh5418@gmail.com															
5.	Name of Project	Riverbed Ordinary Sand Mining from Riverbed of Ghaghra River															
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –3020Mi, Village –Kathauda, Tehsil-Ballia, District–Ballia, Uttar Pradesh															
7.	Name of River	Ghaghra															
8.	Name of Village	Kathauda															
9.	Tehsil	Ballia															
10.	District	Ballia															
11.	Name of Minor Mineral	Riverbed Ordinary Sand Mining from Riverbed of Ghaghra River															
12.	Sanctioned Lease Area (in Ha.)	5.0 ha.															
13.	Max. & Min mRL within lease area	Highest- 61 mRL Lowest- 59mRL															
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillars</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>26°5'43.40"N</td><td>84°2'16.60"E</td></tr> <tr> <td>B</td><td>26°5'48.40"N</td><td>84°2'19.70"E</td></tr> <tr> <td>C</td><td>26°5'40.10"N</td><td>84°2'36.20"E</td></tr> <tr> <td>D</td><td>26°5'36.80"N</td><td>84°2'32.10"E</td></tr> </tbody> </table>	Pillars	Latitude	Longitude	A	26°5'43.40"N	84°2'16.60"E	B	26°5'48.40"N	84°2'19.70"E	C	26°5'40.10"N	84°2'36.20"E	D	26°5'36.80"N	84°2'32.10"E
Pillars	Latitude	Longitude															
A	26°5'43.40"N	84°2'16.60"E															
B	26°5'48.40"N	84°2'19.70"E															
C	26°5'40.10"N	84°2'36.20"E															
D	26°5'36.80"N	84°2'32.10"E															
15.	Total Geological Reserves	1,39,298 m ³															
16.	Total Mineable Reserve in LOI/Mine Plan	75,000 m ³															
17.	Total Proposed Production (In 5 Years)	3,75,000 m ³ (In 5 Years)															
18.	Proposed Production /year	75,000 m ³															
19.	Sanctioned Period of Mine lease	5 Years															
20.	Production of mine/day	288 m ³ /day															
21.	Method of Mining	Opencast, Semi-Mechanized															
22.	No. of working days	260															
23.	Working hours/day	8															
24.	No. of worker	52															
25.	No. of vehicles movement/day	14															

26.	Type of Land	Govt. revenue land	
27.	Ultimate of Depth of Mining	2.09m	
28.	Nearest metalled road from site	710m	
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.52 KLD
		Suppression of dust	2.84 KLD
		Plantation	0.3 KLD
		Others (if any)	-
		Total	3.66 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Green Enviro Engineers Pvt. Ltd. Certificate no. NABET/EIA/2124/IA0086 Valid Till September 20,2024	
31.	Any litigation pending against the project or land in any court	No	
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 163 dated 29/12/2021	
33.	Details of Lease Area in approved DSR	5.0 ha..	
34.	Proposed CER cost	Ra 3.4 lakh	
35.	Proposed EMP cost	Total project cost- Rs 1.7 Crore	
36.	Length and breadth of Haul Road	710m & 6m	
37.	No. of Trees to be Planted	300	

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

RESOLUTION AGAINST AGENDA NO. 09

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

10. Sand Mining at Gata No. 387Mi, Village-Bhagwant Nagar, Tehsil- Swar, District-Rampur, U.P., Shri Nusrat Naim Siddiqui, Area-4.005 ha., File No. 6818/Proposal No. SIA/UP/MIN/248879/2021

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 Earthvision India Associate Consultants. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Sand Mining at Gata No. 387Mi, Village- Bhagwant Nagar, Tehsil- Suar, District-Rampur, U.P., (Leased Area-4.005 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/248879/2021
2.	File No. allotted by SEIAA, UP	6818
3.	Name of Proponent	Shri Nusrat Naim Siddiqui S/o- Late Shri Rashidullah Siddiqui
4.	Registered Address	R/o- Ekta Vihar, Shaukat Ali Road, Civil Lines, Tehsil- Sadar, District- Rampur (U.P.)
5.	Full correspondence address of	R/o- Ekta Vihar, Shaukat Ali Road, Civil Lines, Tehsil- Sadar,

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	proponent and mobile no.	District- Rampur (U.P.)			
		Mobile No.- 9897571850			
		E-mail ID-ayushkumar9557@gmail.com			
6.	Name of Project	“Bhagwant Nagar Ordinary Sand Mine”			
7.	Project location Khasra No	Gata No. 387Mi,			
8.	Name of Village	Bhagwant Nagar			
9.	Tehsil	Swar			
10.	District	Rampur, Uttar Pradesh.			
11.	Name of Minor Mineral	Ordinary Sand			
12.	Sanctioned Lease Area (in Ha.)	4.005 Ha			
13.	Total Workable Area (in Ha.)	3.7236Ha.			
14.	Pillar Coordinates (Verified by DMO)	PILLAR	LATITUDE	LONGITUDE	
		A	29° 2'34.46"N	79° 9'19.37"E	
		B	29° 2'37.28"N	79° 9'19.61"E	
		C	29° 2'43.11"N	79° 9'19.54"E	
		D	29° 2'43.23"N	79° 9'20.91"E	
		E	29° 2'44.52"N	79° 9'21.45"E	
		F	29° 2'44.61"N	79° 9'23.22"E	
		G	29° 2'42.81"N	79° 9'24.39"E	
		H	29° 2'37.87"N	79° 9'25.87"E	
		I	29° 2'34.68"N	79° 9'22.78"E	
15.	Period of agreement between Project proponent & Land Owner	6 Months			
16.	Mine Plan approval details	Letter No. 2021/12/27/96757 Dated 30/12/2021			
17.	Validity of Mine Plan	6 Months			
18.	Total Proposed Production	80000 Cubic Meter			
19.	Proposed Production/Day	444.44 cum/day			
20.	Method of Mining	Opencast, Semi-mechanized Method			
21.	Man power requirement	48 persons			
22.	Type of Land	Private land			
23.	Ultimate Depth of Mining	2.2 m			
24.	Water Requirement		Purpose	Detail	Avg. Demand/Day
		Portable Tanker	Drinking@15lpcd/worker	48 workers x 15 lpcd =720lpcd	0.720 KLD
			Land reclamation / plantation @5 Lit/Tree	100Trees x 5 lpcd = 500 lpcd	0.50 KLD
			Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area 600 m2 = 600 m2 x 2lpcd/Sq.m = 1200 lpcd	1.2 KLD
		Total			2.42 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultants, QCI NABET/EIA/2124/IA 0077 Valid till 24.02.2024			
26.	Any litigation pending against the project or land in any court	No			
27.	Areas which are important or sensitive for ecological reasons –	None			

	Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	
28.	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	There are number of areas occupied by sensitive man made land uses within 15 km of radius Only schools, small hospital and temples are present.
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 103/Khanij Dated 15-12-2021 (Attached as Annx)
30.	Proposed Project Cost	Rs. 48.185 Lakhs
31.	Proposed CER cost	Rs. 2.40925Lakhs
32.	Proposed EMP cost	Rs. 3.575 Lakhs
33.	No. of Trees to be Planted.	100
34.	Detail of CTE/CTO issued by UPPCB	NA

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

RESOLUTION AGAINST AGENDA NO. 10

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

11. IT / ITES at Plot No. 17, Sector-Tech Zone-4, Noida Extension, U.P., M/s S.P. SAI I.T. Pvt. Ltd., File No. 1506/Proposal No. SIA/UP/MIS/245863/2021

The committee noted that the environmental clearance for the above proposal was issued by SEIAA, U.P. vide letter no. 1676/PARYA/SEAC/1506/2013/AD(H) dated 11/10/2013 for plot area 1,00,020.20 m² and built-up area 3,38,402.548 m². The validity of the Environment clearance letter dated 11/10/2013 expired on 10/10/2020.

A presentation was made by the project proponent along with their consultant M/s GRC India Pvt. Ltd. During the presentation the project proponent informed that the validity of Environmental Clearance is valid for period of Seven Years, but one year environment clearance validity extension has also been provided by MoEF&CC, Govt. of India vide notification dated 18/01/2021 due to COVID outbreak. As per EIA Notification, 2006 (as amended) also read along with Notification No. S.O. 221 (E) dated 18/01/2021 which mentions that:

...“Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak

of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.”

The project proponent also informed that the validity of existing Environment Clearance is valid up to 10 October, 2021 and we have applied for an extension of the validity on 22/12/2021 which was within the grace period of 90 days granted as per MoEF&CC Notification dated S.O. 2994 (E), Dated 14/09/2016. Due to financial crunch and ongoing 2nd wave of covid-19 pandemic they could not apply for extension of validity of EC on time. They have requested the honorable committee to kindly grant us the delay condoned and extension of EC validity for the period of 03 years as per MoEF&CC notification no. S.O. 4254(E) dated 27th November 2020.

As per EIA Notification, 2006 (as amended) also read along with Notification No. S.O. 2994 (E) Dated 14/09/2016 which mentions that:

- (a) within thirty days after the validity period of Environmental Clearance, such cases shall be referred to concerned Expert Appraisal Committee or State Level Expert Appraisal Committee or District Level Expert Appraisal Committee and based on their recommendations, the delay shall be condoned at the level of the Joint Secretary in the Ministry of Environment, Forest and Climate Change or Member Secretary, State Level Expert Appraisal Committee or Member Secretary, District Level Expert Appraisal Committee, as the case may be;*
- (b) more than thirty days after the validity period of Environmental Clearance but less than ninety days after such validity period, then, based on the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee or District Level Expert Appraisal Committee, the delay shall be condoned with the approval of the Minister in charge of Environment, Forest and Climate Change or Chairman, as the case may be :*
Provided that no condonation for delay shall be granted for any application for extension filed beyond ninety days after the validity period of Environmental Clearance.”

RESOLUTION AGAINST AGENDA NO-11

The committee discussed the matter and satisfactory with the reason for delay condoned by the project proponent. The committee recommended to extend the validity of the Environmental Clearance letter no. 1676/PARYA/SEAC/1506/2013/AD(H) dated 11/10/2013 for the period of 03 years i.e. 11/10/2021 to 10/10/2024. All the contents mentioned in Environmental Clearance letter no. 1676/PARYA/SEAC/1506/2013/AD(H) dated 11/10/2013 shall remain the same.

12. Proposed Sai Next Generation Diagnostics at Plot No. HO-01, Sector-10, Greater Noida, Shri Pankaj Sharma, M/s Sai Next Generation Diagnostics Pvt. Ltd., File No. 6911/Proposal No. SIA/UP/MIS/244673/2021

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

1. The Environmental clearance is sought for Hospital Project “Sai Next Generation Diagnostics” at Plot No. HO- 01, sector-10, Greater Noida, Dist. Gautam Buddh Nagar, Uttar Pradesh, M/s Sai Next Generation Diagnostics Pvt. Ltd.

2. Salient features of the project:

DESCRIPTION	DETAILS
Type of Project	Sai Next Generation Diagnostics Pvt. Ltd. (1.23 acres)
Project Proponent	M/s Sai Next Generation Diagnostics Pvt. Ltd.
Location	Plot no. HO- 01, sector-10, Greater Noida, Dist. Gautambuddh Nagar, Uttar Pradesh
Total Plot Area	5,000.0 m ²
Total Built-Up Area	29,500.0 m ²
Estimated Population	4,948 persons
Total Water requirement	414 KLD
Fresh Water Requirement	237 KLD; Source: Greater Noida Industrial Development Authority
Solid Waste Generated	1,388 kg/day
Electrical load	2,269 kVA; Source: State Electricity Board
DG set	3,200 kVA (2*1600 kVA)
RWH Structure	02 RWH Pits and a tank of 30 KLD capacity
Parking Required: Parking Proposed:	As per MoEF&CC Norms- 150 ECS As per State bye Laws- 212 ECS 272 ECS
Project Cost	INR 23.46 Cr.

3. Detailed Area Statement:

S. No.	Description	Area (in sq.m)
1.	Plot area	5,000.0
2.	Permissible Ground Coverage (@30% of plot area)	1,500.0
3.	Proposed Ground Coverage (@ 29.87% of the plot area)	1,493.51
4.	Total Permissible FAR <ul style="list-style-type: none">➤ Permissible FAR (@2.75%)➤ Additional FAR for Green building (@5% of permissible FAR)➤ Additional FAR (@15% of Permissible FAR)	16,500.0 13,750.0 687.5 2,062.5
5.	Proposed FAR of the project	16,500.0
6.	Proposed Non-FAR <ul style="list-style-type: none">• Service Floors (1, 2 & 3)• Service Area• Basement Area (Upper and Lower)	13,000.0 4,530.3 1902.64 6,567.06
7.	Total Built-up area	29,500.0
8.	Open Area	3,506.49
9.	Required Green Area (@ 25% of the open area)	876.62
10.	Proposed Green Area (@ 25% of the open area)	876.62
12.	Maximum height of the Building (m)	49.95

4. Water Requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.	Domestic water			
	• In-patients/Beds	300	450	135
	• OPD patients	2,798	15	42
	• Residential Staff (Doctors + Nurses)	680	135	92
	• Other Staff (Admin, Housekeeping, Security, GDA, Technicians, etc.)	570	45	26
	• In-patient attendants	600	15	9
Sub-Total (A)				304 KLD

B.	Laundry	300 Beds	(9 ltr x 6kg)	16 KLD
C.	Green Area	876.60	5 ltr/Sq.m/Day	4 KLD
D.	Water for Kitchen	300 x 3	35	32 KLD
E.	HVAC	600 TR	8 ltr/12hr/TR	58 KLD
	Grand Total (A+B+C+D+E)			414 KLD

5. (a). Waste Water details (ETP):

S. No.	Description	Quantity (KLD)
1.	Fresh and flushing water requirement for the hospital including: <ul style="list-style-type: none">• IPD (@5% of total IPD water requirement)• OPD (@100% of total OPD water requirement)• OT, Lab (@10% of total water required by In-patients/Beds)• Laundry	79 7.0 42.0 14.0 16.0
2.	Wastewater going to ETP @ 80% of 49 KLD (7 KLD + 42 KLD) and 100% of 30 KLD (14 KLD + 16 KLD)	39 + 30 = 69 KLD
3.	ETP Capacity	80 KLD

(b). Waste Water details (STP):

S. No.	Description	Quantity (KLD)
1.	Fresh water requirement for the hospital (excluding IPD, OPD, OT, Lab & Laundry) @ 70% of 225 KLD (= 304 KLD – 79 KLD)	158
2.	Flushing water requirement (excluding IPD, OPD, OT, Blood Bank & Lab) @ 30% of 225 KLD (= 304 KLD – 79 KLD)	67
3.	Wastewater going to STP @ 80% of (158 KLD) + 100% of (67 KLD)	126.4 + 67 = 193.4 Say 193 KLD
4.	STP Capacity	235 KLD

6. Solid waste generation details:

S. No.	Category	Kg/capita/day	Waste generated (kg/day)
1.	Inpatients (300)	@ 1.2 kg/bed/day	360
	Residents (Doctors + Nurses) (680)	@ 0.5 kg/day	340
2.	Staff (570)	@ 0.25 kg/day	142.5
3.	Visitors (3,398)	@ 0.15 kg/day	509.7
4.	Landscape waste (0.216 acre)	@ 0.2 kg/acre/day	0.0432
5.	STP sludge		26
6.	ETP sludge		10
Total solid waste generated			1,388.24 kg/day or say 1,388 Kg/day

7. Total Parking Proposed = 272 ECS.

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

RESOLUTION AGAINST AGENDA NO-12

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

Additional Conditions:

1. Oxygen generation plant of adequate capacity must be installed in the hospital premises.
2. Parking space for ambulances shall be exclusively earmarked.
3. Police post shall be provided near emergency.
4. Dedicated power supply to be installed in Operation Theaters and other critical areas.

5. Accommodation for attendants to be provided near indoor nursing wards.
6. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and cannot hold bio medical waste more than 24 hours.
7. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
8. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
9. CER should include purchase of ambulance and it should be the part of EMP.
10. Energy conservation measures like installation of LEDs/CFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use LEDs and CFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

1. 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.
2. 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.
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 mission standards.
11. 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.
12. For indoor air quality the ventilation provisions as per National Building Code of India.
3. 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 a 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. As proposed, not related water shall be disposed in to municipal drain.
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.
4. 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.
5. 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.
6. 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 25th 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.
7. 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.
8. 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.
9. 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. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. 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.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. 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.

11. 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, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
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. Ajai Mishra)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(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

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

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

forestry clearance should also be furnished.

- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.
- 22) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.

- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 30) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 31) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 32) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 33) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 36) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 37) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 38) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 39) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 40) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 45) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Annexure-2

General and Specific Conditions for Sand/Morum Mining Proposals

General Conditions:

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

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

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

Specific Conditions:

1. The Environmental clearance will be co-terminus with the mining lease period.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.

31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of

the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.

48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. 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.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

Annexure-3

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. Environment management should be in accordance with the present environment status of the project.
2. The Environmental clearance will be co-terminus with the agreement/mining plan.
3. Approach kachcha 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 viz gutkha 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.

Annexure-4

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

A. General Conditions:

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

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

B. Specific Conditions:

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

will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.

10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company 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.