

### **Minutes of 559<sup>th</sup> SEAC-1 Meeting Dated 16/08/2021**

The 559<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 16/08/2021. Following members participated in the meeting:

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

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

1. **Sand Mining at Gata No.-03mi, Khand No.-03, Village- Gogaon, Tehsil-Sadar, District-Mirzapur., ShriPrashantMaurya, Area: 5.0 ha File No. 6308 Proposal No. SIA/UP/MIN/63505/2021**

#### **RESOLUTION AGAINST AGENDA NO-01**

Project Proponent/Consultant sent the document to all the members of SEAC-1 on 14-08-2021, while the last date to circulate the documents as per the agenda was 13-08-2021; this shows a disregard by the Project Proponent/Consultant towards the committee (Chairman/Members). The committee took the note of the matter seriously and decided to defer the matter for the next meeting.

2. **Stone Mining at Gata No.-68, 69, 70, at Village- Damaura, Tehsil - Sadar, Mahoba., M/s ShriMaaSaraswati Associates., area-2.631 ha.,File No 6311 Proposal No. SIA/UP/MIN/213199/2021**

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

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Ballast (Gitti)) Mining at Gata No.-68, 69, 70, Village- Damaura, Tehsil- Sadar, District- Mahoba, U.P. M/s Shri Maa Saraswati Associates, Partner- Shri Nagendra Singh S/o Shri Shailendra Singh, (Applied Area- 2.631 ha.)

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

1.	Name of Proponent	M/s Shri Maa Saraswati Associates, Partner.- Shri Nagendra Singh S/o Shri Shailendra Singh
2.	Full correspondence address of proponent	R/o- Near Sankat Mochan Mandir, Mahoba Road, District- Banda, U.P.
3.	Name of Project	Building Stone (Khanda, Boulder, Ballast (Gitti)) Mining Project
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-68, 69, 70

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5.	Name of Village	Damaura		
6.	Tehsil	Sadar		
7.	District	Mahoba		
8.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast (Gitti))		
9.	Sanctioned Lease Area (in Ha.)	2.631 ha.		
10.	Max.& Min mRL within lease area	206mRL- 194mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 16' 54.048"	79° 57' 15.919"
		B	25° 16' 53.821"	79° 57' 18.608"
		C	25° 16' 52.201"	79° 57' 18.572"
		D	25° 16' 51.931"	79° 57' 21.085"
		E	25° 16' 46.805"	79° 57' 20.739"
		F	25° 16' 47.161"	79° 57' 16.304"
		G	25° 16' 52.201"	79° 57' 16.250"
		H	25° 16' 52.039"	79° 57' 15.713"
12.	Total Geological Reserves	2660193 m <sup>3</sup>		
13.	Total Mineable Reserves	912314 m <sup>3</sup>		
14.	Total Proposed Production (in five years)	812500 m <sup>3</sup>		
15.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	162500 m <sup>3</sup>	
		2 <sup>nd</sup>	162500 m <sup>3</sup>	
		3 <sup>rd</sup>	162500 m <sup>3</sup>	
		4 <sup>th</sup>	162500 m <sup>3</sup>	
		5 <sup>th</sup>	162500 m <sup>3</sup>	
		Total	812500 m <sup>3</sup>	
16.	Sanctioned Period of Mine lease	10 Years		
17.	Production of mine/day	541.67 m <sup>3</sup> (average)		
18.	Method of Mining	Opencast Semi-Mechanized		
19.	No.of working days	300 days		
20.	Working hours/day	8 Hours/Day		
21.	No.Of workers	47		
22.	No.Of vehicle movement /day	55 (approx.)		
23.	Type of Land	Govt. revenue land		
24.	Ultimate Depth of Mining	30 meter (average)		
25.	Nearest metalled road from site	0.20 km		
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.50	
		Suppression of dust	1.20	
		Plantation	0.30	
		Others( if any)	-----	
		Total	2.00	
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021		
28.	Any litigation pending against the project or land in any court	No		
29.	Details of 500 m Cluster Map & certificate	DMO, Mahoba vide Letter No. 7933/MMC-30/		

	Verified by Mining Officer	2020-21 Dated 27/01/2021
30.	Details of Lease Area in approved DSR	DSR Correction letter sanctioned from DMO, Mahoba vide Letter No. 154/MMC-30-khanij (2021-22) Dated 12 <sup>th</sup> May 2021 Page No.- 4, Sr. No.- 124
31.	Proposed CER cost	1.85 Lakh
32.	Proposed EMP cost	12.07 Lakh
33.	Length and breadth of Haul Road.	Length- 0.2 k m, Width- more than 6.0 m
34.	No. of Trees to be Planted	265

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

### **RESOLUTION AGAINST AGENDA NO-02**

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

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
3. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
4. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
5. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.

11. The project proponent should explore the possibilities of rainwater harvesting.

**3. Institutional Bennett University Situated at Plot No.-8, 9, 10, & 11, Sector Tech Zone-II, Greater Noida, Industrial Development Area District-Gautam Budha Nagar., M/s Bennett Institute of Higher Education File No. 5933 Proposal No SIA/UP/NCP/ 57279/2020**

A presentation was made by the project proponent along with their consultant M/s Aplinka Solutions & Technology Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

**RESOLUTION AGAINST AGENDA NO-03**

During the presentation, it was observed that being the prestigious institution, their project proposal should be a model for others. It is not upto that mark, hence, with the mutual consent of the SEAC-1 & Project Proponent/Consultant, it was decided to take up this matter on 25-08-2021. In the meantime Project Proponent/Consultant are advised to add more environment-friendly aspects to their project. The committee further directed the Project Proponent/Consultant to submit their presentation & document latest by 21-08-2021.

**4. Stone Mining at Gata No.-712, Khand No.-06, Village- Chhikahra, Tehsil -Sadar, Mahoba., Shri Rajendra Kumar Shivhare, Area-1.821 ha., File No. 6312 Proposal No. SIA/UP/MIN/ 63587/2021**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Terms of References (ToR's) is sought for Proposed Stone Mining at Gata No.-712, Khand No.-06, Village- Chhikahra, Tehsil -Sadar, Mahoba., Shri Rajendra Kumar Shivhare, Area-1.821 ha.

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

2. Salient features of the project as submitted by the project proponent.				
1.	Name of Proponent	ShriRajendra Kumar Shivhare		
2.	Full correspondence address of proponent and mobile No.	R/o Village- Indranagar, Kabrai Tehsil- Mahoba, District- Mahoba, (U.P.)		
3.	Name of Project	Proposed Chhikahra Building Stone or Khanda,Boulder,Ballast (Gitti) Mining project		
4.	Project location (Plot/Khasra/Gata No.)	Arazi No. 712, Khand No. 06		
5.	Name of River	-		
6.	Name of Village	Chhikahra		
7	Tehsil	Sadar		
8. District		Mahoba		
9. Name of Minor Mineral		Building Stone or Khanda, Gitti, Boulder		
10. Sanctioned Lease Area (in Ha.)		1.821		
11. Max & Min mRL within lease area		Max- 205mRL and Min- 184 mRL		
12. Pillar Coordinates (Verified by DMO)		Sanctioned Mining Lease Area		
		Pillar No.	Latitude	Longitude
		A	25°21'58.16"N	79°52'48.63"E
		B	25°21'57.30"N	79°52'53.85"E

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	<b>C</b>	25°21'51.86"N	79°52'52.57"E
	<b>D</b>	25°21'52.27"N	79°52'50.78"E
	<b>E</b>	25°21'54.11"N	79°52'50.85"E
	<b>F</b>	25°21'55.52"N	79°52'49.48"E
	<b>G</b>	25°21'52.75"N	79°52'47.09"E
19. Total Geological Reserves	10,94,586 m <sup>3</sup>		
20. Total Mineable Reserves in LOI	1,12,500 m <sup>3</sup> per year		
21. Total Proposed Production	1,12,500 m <sup>3</sup> per year		
22. Proposed Production/year	1,12,500 m <sup>3</sup> per year		
23. Sanctioned Period of Mine lease	Maximum 10 years (Mining plan prepared for 5 years)		
24. Production of mine/day	409.09		
25. Method of Mining	Open Cast Semi-mechanized Method		
26. No. of working days	275 days		
27. Working hours/day	8 hrs		
28. No. of workers	55		
29. No. of vehicles movement/day	15		
30. Type of Land	Government waste land		
31. Ultimate Depth of Mining	40		
32. Nearest metalled road from site	0.60 km		
33. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.55
	Suppression of dust		7.2
	Plantation		0.6
	Others (if any)		-
	Total		8.35
35. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
36. Any litigation pending against the project or land in any court	No		
37. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
38. Details of Lease Area in approved DSR	Yes, given in the DSR		
39. Proposed CER cost	Rs 5,74,000/-		
40. Proposed EMP cost	Rs 5,75,875 (Recurring Cost) Rs 11,74,000 (Capital Cost including CER Cost)		
41. Length and breadth of Haul Road	Length: .8 km, width: 6 m		
42. No. of Trees to be Planted	300 plants		

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

**RESOLUTION AGAINST AGENDA NO-04**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:**

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site
2. Updated DSR, approved by competent authority should be submitted at the time of EIA.

**5. Stone Mining at Gata No.-2098, Khand No.-44, Village- Bhatouti, Tehsil -Meja, District- Prayagraj., Shri Jitendra Singh, Area-8.097 ha., File No. 6314 Proposal No. SIA/UP/MIN/62177/2021**

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

1. The Terms of References (ToR's) is sought for Stone Mining at Gata No.-2098, Khand No.-44, Village- Bhatouti, Tehsil -Meja, District- Prayagraj., Shri Jitendra Singh, Area-8.097 ha

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

2. Salient features of the project as submitted by the project proponent:				
1.	Name of Proponent	M/s Kanha Enterprises; Prop.- Shri Jitendra Singh S/o Shri Shankar Dayal Singh		
2.	Full correspondence address of proponent	R/o- 362A, New Sobatiyabagh, District- Prayagraj Permanent Address- Village-Osa, Post – KherhatKhurd, Jari, District- Prayagraj		
3.	Name of Project	Building stone Sandstone (Gitti, Boulder, Khanda) Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-2098 (Khand No.- 44)		
5.	Name of Village	Bhatouti		
6.	Tehsil	Meja		
7.	District	Prayagraj		
8.	Name of Minor Mineral	Building stone Sandstone (Gitti, Boulder, Khanda)		
9.	Sanctioned LeaseArea (inHa.)	8.097 ha.		
10.	Max.& Min mRL within lease area	118 mRL- 112 mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25°09'02.16"N	82°03'15.85"E
		B	25°08'57.82"N	82°03'25.28"E
		C	25°08'47.70"N	82°03'23.95"E
		D	25°08'56.04"N	82°03'13.19"E
12.	Total Geological Reserves	7080723 m <sup>3</sup>		
13.	Total Mineable Reserves	3753660 m <sup>3</sup>		
14.	Total Proposed Production (in five years)	404850m <sup>3</sup>		
15.	Proposed Production / year	Year		Production
		1 <sup>st</sup>		80970 m <sup>3</sup>
		2 <sup>nd</sup>		80970 m <sup>3</sup>
		3 <sup>rd</sup>		80970 m <sup>3</sup>
		4 <sup>th</sup>		80970 m <sup>3</sup>
		5 <sup>th</sup>		80970 m <sup>3</sup>
		Total		404850m <sup>3</sup>
		16.	Sanctioned Period of Mine lease	10 Years
17.	Production of mine/day	269.9 m <sup>3</sup> (approx.)		
18.	Method of Mining	Opencast Semi-Mechanized		
19.	No.of working days	300 days		
20.	Working hours/day	8 Hours/Day		

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21.	No.Of workers	40 (approx.)	
22.	No.Of vehicle movement /day	27 (approx.)	
23.	Type of Land	Govt. revenue land	
24.	Ultimate Depth of Mining	6 meter (average)	
25.	Nearest metalled road from site	1.50 km	
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking& Others	0.40
		Suppression of dust	9.0
		Plantation	0.80
		Others( if any)	-----
		Total	10.20 KLD
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Prayagraj vide Letter No. 557/Khanij/ 2020-21 Dated 09 <sup>th</sup> February 2021	
30.	Details of Lease Area in approved DSR	Page No.-39, S.No.- 417	
31.	Proposed CER cost	2.0 Lakh	
32.	Proposed EMP cost	12.80 Lakh	
33.	Length and breadth of Haul Road.	Length- 1.50 km, Width- more than 6.0 m	
34.	No. of Trees to be Planted	810	

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

**RESOLUTION AGAINST AGENDA NO-05**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:**

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site
- 6. Stone Mining at Gata No.-2/4, Khand No.09, Village-Jujhar, Tehsil - Sadar, District- Mahoba., Smt. Kirti Rani Sahu, M/s Sahu Stone Crushing Industries., Area-3.441 ha., File No. 6315/Proposal No. SIA/UP/MIN/ 63533/2021**

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

1. The Terms of References (ToR's) is sought for Building Stone (Khanda, Boulder, Ballast (Gitti)) Mining at Gata No.-2/4 (Khand No.-09), Village- Jujhar, Tehsil- Sadar, District- Mahoba, U.P.M/s Sahu Stone Crushing Industries, Prop.- Smt. Kirti Rani Sahu W/o Shri Sanjay Kumar Sahu (Applied Area- 3.441 ha.)

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

1.	Name of Proponent	M/s Sahu Stone Crushing Industries Prop.- Smt. Kirti Rani Sahu W/o Shri Sanjay Kumar Sahu		
2.	Full correspondence address of proponent	R/o- Kidwai Nagar, Kabrai, Tehsil & District- Mahoba, U.P.		
3.	Name of Project	Building Stone (Khanda, Boulder, Ballast (Gitti)) Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-2/4, (Khand No.-09)		
5.	Name of Village	Jujhar		
6.	Tehsil	Sadar		
7.	District	Mahoba		
8.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast (Gitti))		
9.	Sanctioned Lease Area (in Ha.)	3.441ha.		
10.	Max.& Min mRL within lease area	188mRL- 167mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25°24'23.973"N	79°55'04.403"E
		B	25°24'25.943"N	79°55'12.579"E
		C	25°24'22.406"N	79°55'16.850"E
		D	25°24'21.474"N	79°55'15.603"E
		G	25°24'24.630"N	79°55'12.881"E
		E	25°24'21.917"N	79°55'09.129"E
		F	25°24'18.094"N	79°55'05.044"E
H	25°24'19.965"N	79°55'02.995"E		
12.	Total Geological Reserves	2900938 m <sup>3</sup>		
13.	Total Mineable Reserves	981693 m <sup>3</sup>		
14.	Total Proposed Production (in five years)	850000 m <sup>3</sup>		
15.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	170000 m <sup>3</sup>	
		2 <sup>nd</sup>	170000 m <sup>3</sup>	
		3 <sup>rd</sup>	170000 m <sup>3</sup>	
		4 <sup>th</sup>	170000 m <sup>3</sup>	
		5 <sup>th</sup>	170000 m <sup>3</sup>	
		Total	850000 m <sup>3</sup>	
16.	Sanctioned Period of Mine lease	10 Years		
17.	Production of mine/day	567 m <sup>3</sup> (approx.)		
18.	Method of Mining	Opencast Semi-Mechanized		
19.	No.of working days	300 days		
20.	Working hours/day	8 Hours/Day		
21.	No.Of workers	45		
22.	No.Of vehicle movement /day	57 (approx.)		
23.	Type of Land	Govt. revenue land		
24.	Ultimate Depth of Mining	28 meter (average)		
25.	Nearest metalled road from site	0.30 km		
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.45	
		Suppression of dust	1.80	
		Plantation	0.35	
		Others( if any)	-----	



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		Total	2.60
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7577/MMC-30/2020-21 Dated 6 <sup>th</sup> January 2021	
30.	Details of Lease Area in approved DSR	DSR Correction letter sanctioned from DMO, Mahoba vide Letter No. 154/MMC-30-khanij (2021-22) Dated 12 <sup>th</sup> May 2021 Pg. No.- 04, Sr. No.- 131	
31.	Proposed CER cost	1.85 Lakh	
32.	Proposed EMP cost	12.95 Lakh	
33.	Length and breadth of Haul Road.	Length- 0.3 km, Width- more than 6.0 m	
34.	No. of Trees to be Planted	345	

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

**RESOLUTION AGAINST AGENDA NO-06**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:**

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
- 7. Stone Mining at Gata No.-93, Khand No.-11, Village- Bari, Tehsil & District- Mahoba, U.P., M/s PNC Infratech Ltd. Area-1.012 ha., File No. 6316 Proposal No. SIA/UP/MIN/ 63475/2021**

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

1. The Terms of References (ToR's) is sought for the Proposed "Building Stone (Khanda, Boulder, Ballast (Gitti))" Project at Gata No.-93 Khand No.- 11, Village- Bari, Tehsil- Mahoba, District- Mahoba, U.P. M/S PNC INFRATECH LTD. Auth. Representative- Shri Ashwani Rawat S/O Shri Devi Prasad Rawat (Leased Area: 1.012 ha.)
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/S PNC INFRATECH LTD. Auth. Representative- Shri Ashwani Rawat S/O Shri Devi Prasad Rawat
2.	Full correspondence address of proponent	Head Office PNC Tower, 3/22-D, Civil Lines Bypass Road, NH-02, Agra, U.P.
3.	Name of Project	Building Stone (Khanda, Boulder, Ballast (Gitti))

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		Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-93 Khand No.- 11		
5.	Name of Village	Bari		
6.	Tehsil	Mahoba		
7.	District	Mahoba		
8.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast (Gitti))		
9.	Sanctioned LeaseArea (in Ha.)	1.012ha.		
10.	Max.& Min mRL within lease area	178 mRL- 163 mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25 <sup>o</sup> 24'- 52.318"	79 <sup>o</sup> 55'- 09.764''
		B	25 <sup>o</sup> 24'- 54.208"	79 <sup>o</sup> 55'- 11.816''
		C	25 <sup>o</sup> 24'- 51.322"	79 <sup>o</sup> 55'- 15.438''
		D	25 <sup>o</sup> 24'- 49.723"	79 <sup>o</sup> 55'- 13.382''
12.	Total Geological Reserves	868980m <sup>3</sup>		
13.	Total Mineable Reserves	377338m <sup>3</sup>		
14.	Total Proposed Production (in five years)	375000 m <sup>3</sup>		
15.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	75000 m <sup>3</sup>	
		2 <sup>nd</sup>	75000 m <sup>3</sup>	
		3 <sup>rd</sup>	75000 m <sup>3</sup>	
		4 <sup>th</sup>	75000 m <sup>3</sup>	
		5 <sup>th</sup>	75000 m <sup>3</sup>	
		Total	375000m <sup>3</sup>	
16.	Sanctioned Period of Mine lease	10 Years		
17.	Production of mine/day	250 m <sup>3</sup> (approx.)		
18.	Method of Mining	Opencast Semi-Mechanized		
19.	No. of working days	300 days		
20.	Working hours/day	8 Hours/Day		
21.	No. Of workers	37 (approx.)		
22.	No. Of vehicle movement /day	25 (approx.)		
23.	Type of Land	Govt. revenue land		
24.	Ultimate Depth of Mining	16 meter (average)		
25.	Nearest metalled road from site	0.10 km		
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.40	
		Suppression of dust	0.60	
		Plantation	0.10	
		Others( if any)	-----	
		Total	1.10	
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021		
28.	Any litigation pending against the project or land in any court	No		
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 8127/MMC-30/2020-21 Dated 11 <sup>th</sup> February 2021		

30.	Details of Lease Area in approved DSR	Page No.-87 S.No.- 98
31.	Proposed CER cost	1.40 Lakh
32.	Proposed EMP cost	10.05 Lakh
33.	Length and breadth of Haul Road.	Length- 0.1 km, Width- more than 6.0 m
34.	No. of Trees to be Planted	105

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

**RESOLUTION AGAINST AGENDA NO-07**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:**

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

**8. Stone Mining at Gata No.-339, Khand No.-14 New, 39 Old, VillageDaharra, Tehsil & District-Mahoba, U.P., Area-1.619 haFile No. 6318 Proposal No. SIA/UP/MIN/ 63551/2021**

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

- The Terms of References (ToR's) is sought for Proposed "Building Stone (Khanda, Boulder, Ballast (Gitti))" Project at Gata No.-339 Khand No.- 14 New, 39 Old, Village- Daharra, Tehsil- Mahoba, District- Mahoba, U.P. ShriOmprakashKhatri S/O ShriTulsidasKhatri (Leased Area: 1.619 ha.)

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

1.	Name of Proponent	Shri Omprakash Khatri S/O Shri Tulsidas Khatri		
2.	Full correspondence address of proponent	R/o- Madiyanaka, Banda, District-Banda, U.P.		
3.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti))MiningProject		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-339 Khand No.- 14 New, 39 Old		
5.	Name of Village	Daharra		
6.	Tehsil	Mahoba		
7.	District	Mahoba		
8.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast (Gitti))		
9.	Sanctioned LeaseArea (inHa.)	1.619ha.		
10.	Max.& Min mRL within lease area	200 mRL- 188 mRL		
11.	Pillar Coordinates(Verified by DMO)	<b>Pillars</b>	<b>Latitude (N)</b>	<b>Longitude (E)</b>
		A	25° 20' 12.926"N	79° 58' 07.961"E
		B	25° 20' 12.548"N	79° 58' 11.269"E
		C	25° 20' 07.299"N	79° 58' 10.978"E
		D	25° 20' 08.019"N	79° 58' 07.500"E
12.	Total Geological Reserves	1329493m <sup>3</sup>		
13.	Total Mineable Reserves	402314m <sup>3</sup>		
14.	Total Proposed Production (in five years)	400000 m <sup>3</sup>		
15.	Proposed Production / year	<b>Year</b>	<b>Production</b>	

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		1 <sup>st</sup>	80000 m <sup>3</sup>
		2 <sup>nd</sup>	80000 m <sup>3</sup>
		3 <sup>rd</sup>	80000 m <sup>3</sup>
		4 <sup>th</sup>	80000 m <sup>3</sup>
		5 <sup>th</sup>	80000 m <sup>3</sup>
		<b>Total</b>	<b>400000m<sup>3</sup></b>
16.	Sanctioned Period of Mine lease	10 Years	
17.	Production of mine/day	266.66 m <sup>3</sup> (approx.)	
18.	Method of Mining	Opencast Semi-Mechanized	
19.	No.of working days	300 days	
20.	Working hours/day	8 Hours/Day	
21.	No.Of workers	37 (approx.)	
22.	No.Of vehicle movement /day	27 (approx.)	
23.	Type of Land	Govt. revenue land	
24.	Ultimate Depth of Mining	24 meter (average)	
25.	Nearest metalled road from site	0.40 km	
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking& Others	0.40
		Suppression of dust	1.50
		Plantation	0.10
		Others( if any)	-----
		Total	2.10
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7934/MMC-30/ 2020-21 Dated 27 <sup>th</sup> January 2021	
30.	Details of Lease Area in approved DSR	Page No.-85, S.No.- 50	
31.	Proposed CER cost	1.40 Lakh	
32.	Proposed EMP cost	10.71 Lakh	
33.	Length and breadth of Haul Road.	Length- 0.25 km, Width- more than 6.0 m	
34.	No. of Trees to be Planted	165	

- 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-08**

**The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:**

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

**9. Stone Mining at Gata No.-953, Khand No.-04, Village- Dahrara, Tehsil - Dahrara, District- Mahoba, U.P., Area-0.809 ha. File No. 6320 Proposal No. SIA/UP/MIN/ 62163/2021**

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

1. The Terms of References (ToR's) is sought for Proposed "Building Stone (Khanda, Boulder, Ballast (Gitti))" Project at Gata No.-953 (Khand No.- 04), Village- Dahrara, Tehsil- Sadar, District- Mahoba, U.P. ShriRakesh Kumar Goswami S/o ShriKishorGoswami (Applied Area: 0.809 ha.)

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

1.	Name of Proponent	Shri Rakesh Kumar Goswami S/o Shri Kishor Goswami		
2.	Full correspondence address of proponent	R/o- Mohalla- Khadiyan, Tehsil- Charkhari, District- Mahoba, U.P		
3.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti))MiningProject		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.-953 (Khand No.- 04)		
5.	Name of Village	Daharra		
6.	Tehsil	Mahoba		
7.	District	Mahoba		
8.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast (Gitti))		
9.	Sanctioned LeaseArea (inHa.)	0.809ha.		
10.	Max.& Min mRL within lease area	194 mRL- 190 mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 19' 32.544"N	79° 58' 45.739"E
		B	25° 19' 31.200"N	79° 58' 46.560"E
		C	25° 19' 28.200"N	79° 58' 41.629"E
		D	25° 19' 29.690"N	79° 58' 40.946"E
12.	Total Geological Reserves	565110m <sup>3</sup>		
13.	Total Mineable Reserves	200004m <sup>3</sup>		
14.	Total Proposed Production (in five years)	200000 m <sup>3</sup>		
15.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	40000 m <sup>3</sup>	
		2 <sup>nd</sup>	40000 m <sup>3</sup>	
		3 <sup>rd</sup>	40000 m <sup>3</sup>	
		4 <sup>th</sup>	40000 m <sup>3</sup>	
		5 <sup>th</sup>	40000 m <sup>3</sup>	
		Total	200000m <sup>3</sup>	
16.	Sanctioned Period of Mine lease	10 Years		
17.	Production of mine/day	133.33 m <sup>3</sup> (approx.)		
18.	Method of Mining	Opencast Semi-Mechanized		
19.	No.of working days	300 days		
20.	Working hours/day	8 Hours/Day		
21.	No.Of workers	37 (approx.)		
22.	No.Of vehicle movement /day	14 (approx.)		
23.	Type of Land	Govt. revenue land		
24.	Ultimate Depth of Mining	11 meter (average)		
25.	Nearest metalled road from site	0.40 km		
26.	Water Requirement	PURPOSE	REQUIREMENT	

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			(KLD)	
		Drinking& Others	0.40	
		Suppression of dust	2.40	
		Plantation	0.10	
		Others( if any)	-----	
		Total	2.90	
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/2021		
28.	Any litigation pending against the project or land in any court	No		
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 8125/MMC-30/ 2020-21 Dated 11 <sup>th</sup> February 2021		
30.	Details of Lease Area in approved DSR	DSR Correction letter sanctioned from DMO, Mahoba vide Letter No. 8432/MMC-30-khanij (2021-22) Dated 08 <sup>th</sup> March 2021 Page No.-79, S.No.- 7		
31.	Proposed CER cost	1.40 Lakh		
32.	Proposed EMP cost	9-59 Lakh		
33.	Length and breadth of Haul Road.	Length- 0.4 km, Width- more than 6.0 m		
34.	No. of Trees to be Planted	81		

- 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-09**

The committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated the following additional ToR:

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

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

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

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

5.	Name of Proponent	<b>M/s Sudhakar Pandey and Associates,</b> Shri Sudhakar Pandey S/o Shri Dudh Nath Pandey
6.	Full correspondence address of proponent and mobile no.	R/o- Civil Line Road, Tehsil- Robertsganj, District- Sonbhadra, U.P.

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7.	Name of Project	Morrum Mining Project		
8.	Project location (Plot/ Khasra /Gata No.)	Arazi No.- 824 Kh (Khand 04)		
9.	Name of River	Sone		
10.	Name of Village	Agori Khas		
11.	Tehsil	Obra		
12.	District	Sonbhadra		
13.	Name of Minor Mineral	Morrum		
14.	Sanctioned Lease Area (in Ha.)	12.368ha.		
15.	Max.& Min mrl within lease area	172.0 mRL- 169.0 mRL		
16.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Lease Area		
		A	24°32'59.96"N	82°57'35.36"E
		B	24°33'4.35"N	82°57'45.29"E
		C	24°32'55.95"N	82°57'53.04"E
		D	24°32'41.42"N	82°58'14.60"E
		E	24°32'37.97"N	82°58'12.97"E
		F	24°32'40.76"N	82°58'9.10"E
		G	24°32'44.75"N	82°58'7.36"E
		H	24°32'47.17"N	82°58'4.12"E
		I	24°32'49.57"N	82°58'0.09"E
		J	24°32'54.53"N	82°57'50.58"E
		K	24°32'55.84"N	82°57'51.21"E
		L	24°32'58.31"N	82°57'46.70"E
		M	24°32'56.07"N	82°57'44.82"E
N	24°32'56.07"N	82°57'39.81"E		
17.	Total Geological Reserves	326850 m <sup>3</sup>		
18.	Total Mineable Reserves	204755 m <sup>3</sup>		
19.	Total Proposed Production (in five years)	989440 m <sup>3</sup>		
20.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	197888 m <sup>3</sup>	
		2 <sup>nd</sup>	197888 m <sup>3</sup>	
		3 <sup>rd</sup>	197888 m <sup>3</sup>	
		4 <sup>th</sup>	197888 m <sup>3</sup>	
		5 <sup>th</sup>	197888 m <sup>3</sup>	
		Total	989440 m <sup>3</sup>	
21.	Sanctioned Period of Mine lease	5 Year		
22.	Production of mine/day	660 m <sup>3</sup> (average)		
23.	Method of Mining	Opencast Semi-Mechanized		
24.	No.of working days	225 days		
25.	Working hours/day	8 Hours/Day		
26.	No.Of workers	55 (approx.)		
27.	No. Of vehicle movement /day	55 (average)		
28.	Type of Land	River Bed Govt. Land		
29.	Ultimate Depth of Mining	2.08 meter (average)		
30.	Nearest metalled road from site	0.40 km		
31.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.55	
		Suppression of dust	2.40	

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		Plantation	0.10	
		Others( if any)	-----	
		Total	3.05	
32.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/21		
33.	Any litigation pending against the project or land in any court	No		
34.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Sonbhadra vide Letter No. 1001/Khanij/2021, Dated 23/03/2021		
35.	Details of Lease Area in approved DSR	Page No.-26, S.No.- 13.		
36.	Proposed CER cost	2.30 Lakh		
37.	Proposed EMP cost	9.41 Lakh		
38.	Length and breadth of Haul Road.	Length- 0.40 km, Width- more than 6.0 m		
39.	No. of Trees to be Planted	62		

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

**RESOLUTION AGAINST AGENDA NO-10**

Two complaint letters of ShriVikasPandey S/o Om Prakash Pandey; DakshinGautam Nagar, Fatehpur,UPand ofShri Sanjay Tiwari S/o DwarikaTiwari; Village-Barisavan, Barsaun, Bhojpur, Bihar respectivelyhave been received by the committee members.

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



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

**A. General Conditions:**

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

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

**B. Specific Conditions:**

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

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

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

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

**Annexure-2**

**Terms of Reference for the Mining Project**

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

sanctuary, national park, migratory routes of fauna, water bodies, human settlements, and other ecological features should be indicated. The land-use plan of the mine lease area should be prepared to encompass preoperational, operational, and post-operational phases and submitted. Impact, if any, of change of land use should be given.

11. Details of the land for any Over Burden Dumps outside the mine lease, such as the extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for the representative of the State Forest Department to assist the Expert Appraisal Committees.
13. Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be specifically indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may apply to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of the National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic, and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need-based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the

sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to the shifting of the village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post-monsoon season); December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora, and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent the whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should be given.
23. Air quality modeling should be carried out for the prediction of the impact of the project on the air quality of the area. It should also take into account the impact of the movement of vehicles for the transportation of minerals. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map specifically indicating the location of the site, location of sensitive receptors if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
24. The water requirement for the Project, its availability, and source should be furnished. A detailed water balance should also be provided. Freshwater requirements for the Project should be indicated.
25. Necessary clearance from the Competent Authority for the drawl of the requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given.
27. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. The impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
30. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and a Report furnished. The Report inter-alia shall include details of the aquifers present and the impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below groundwater and for pumping of groundwater should also be obtained and copy furnished.
31. Details of any stream, seasonal or otherwise, passing through the lease area and modification/diversion proposed if any, and the impact of the same on the hydrology should be brought out.
32. Information on site elevation, working depth, groundwater table, etc. Should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
33. A time-bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species, and time frame) and submitted, keeping in mind, the same will have to be executed upfront on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of the plantation already done should be given. The plant species selected for the green belt should have greater ecological value and should be of good utility value to the local population with emphasis on

local and native species and the species which are tolerant to pollution.

34. Impact on local transport infrastructure due to the Project should be indicated. A projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
35. Details of the onsite shelter and facilities to be provided to the mineworkers should be included in the EIA Report.
36. Conceptual post-mining land use and Reclamation and Restoration of mined-out areas (with plans and with the adequate number of sections) should be given in the EIA report.
37. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelled out. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project-specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
38. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
39. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
40. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of the change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
41. Public Hearing points raised and commitment of the Project Proponent on the same along with time-bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
43. The cost of the Project (capital cost and recurring cost), as well as the cost towards implementation of EMP, should be spelled out.
44. A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
45. Benefits of the Project if the Project is implemented should be spelled out. The benefits of the Project shall indicate environmental, social, economic, employment potential, etc.
46. Besides the above, the below mentioned general points are also to be followed:-
  - a. Executive Summary of the EIA/EMP Report
  - b. All documents are to be properly referenced with index and continuous page numbering.
  - c. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - d. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise, etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during the appraisal of the Project.
  - e. Where the documents provided are in a language other than English, an English translation should be provided.
  - f. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
  - g. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August 2009, which are available on the website of this Ministry, should be



followed.

- h. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes, and permission should be sought, as the TOR may also have to be altered. Post-Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i. As per circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, a certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j. The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage, and mining area, (ii) geological maps and sections, and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

**(Nodal SEAC-1)**

(Dr. Ajai Mishra)  
**Member**

(Om Prakash Srivastava)  
**Member**

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

(Umesh Chandra Sharma)  
**Member**

(Dr. Ratan Kar)  
**Member**

(Rajive Kumar)  
**Chairman**