

### **Minutes of 489<sup>th</sup> SEAC Meeting Dated 10/09/2020**

The 489<sup>th</sup> meeting of SEAC was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 10/09/2020. Following members were participate in the online meeting:

1.	Dr. (Prof.) S.N. Singh,	Chairman
2.	Dr. Sarita Sinha,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Ranjeet Kumar Dalela,	Member
6.	Dr. Ajoy Kumar Mandal,	Member
7.	Shri Rajive Kumar,	Member
8.	Shri Meraj Uddin,	Member
9.	Prof. S.K. Upadhyay,	Member

The Chairman welcomed the members to the 489<sup>th</sup> SEAC meeting which was conducted online.

The SEAC unanimously took following decisions on the agenda points discussed:

**1. Stone (Khanda, Gitti, Boulder & Patthar) Mining at Gata No.-177, Village- Dhuria, Tehsil-Chunar, Mirzapur, U.P., Shri Pradeep Kumar, Area -1.01 ha. File No. 5787/Proposal No. SIA/UP/MIN/56033/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khanda, Giti, Boulder & Pattia) Mining at Araj/Gata no.-177, Village-Dhuria, Tehsil-Chunar, District-Mirzapur, U.P., (Leased Area-1.01 ha).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/56033/2020						
2.	File No. allotted by SEIAA, UP	5787						
3.	Name of Proponent	Shri Pradeep Kumar						
4.	Full correspondence address of proponent and mobile no.	Shri Pradeep Kumar R/o-Village- Dohri, Ahraura, Chunar, Mirzapur, U.P. Mobile no.- E-mail ID-shripradeepkumar5418@gmail.com						
5.	Name of Project	Building Stone(Khanda, Giti, Boulder & Pattia)						
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. -177, Village -Dhuria, Tehsil-Chunar, District- Mirzapur, Uttar Pradesh						
7.	Name of River	NA						
8.	Name of Village	Dhuria						
9.	Tehsil	Chunar						
10.	District	Mirzapur						
11.	Name of Minor Mineral	Building Stone (Khanda, Giti, Boulder & Pattia)						
12.	Sanctioned Lease Area (in Ha.)	1.01 ha.						
13.	Max. & Min mRL within lease area	Highest mRL is 113.2 & Lowest Is 104.1 mRL						
14.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Points</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>25°03'28.026"N</td><td>83°02'49.728"E</td></tr></table>	Points	Latitude	Longitude	A	25°03'28.026"N	83°02'49.728"E
Points	Latitude	Longitude						
A	25°03'28.026"N	83°02'49.728"E						

		B	25°03'27.81"N	83°02'54.534"E
		C	25°03'25.938"N	83°02'54.342"E
		D	25°01'59.024"N	83°01'54.888"E
		E	25°03'25.206"N	83°02'53.448"E
		F	25°03'25.182"N	83°02'50.016"E
15.	Total Geological Reserves	298816 m <sup>3</sup>		
16.	Total Mineable Reserve in LOI/Mine Plan	113448 m <sup>3</sup>		
17.	Total Proposed Production	10100 m <sup>3</sup> /year		
18.	Proposed Production /year	10100 m <sup>3</sup> /year		
19.	Sanctioned Period of Mine lease	1.01 ha.		
20.	Production of mine/day	34 m <sup>3</sup> /day		
21.	Method of Mining	Opencast, Semi-Mechanized		
22.	No. of working days	300		
23.	Working hours/day	8		
24.	No. of worker	20		
25.	No. of vehicles movement/day	3		
26.	Type of Land	Revenue land		
27.	Ultimate of Depth of Mining	24m		
28.	Nearest metalled road from site	280m		
29.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.6 KLD
		Suppression of dust		1.1 KLD
		Plantation		0.75 KLD
		Others (if any)		-
		Total		2.45 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 78, VALID TILL 03/04/2021		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Certificate verified by Mining Officer	420/khanij/2020		
33.	Details of Lease Area in approved DSR	1.01 ha.		
34.	Proposed CER cost	0.80 lakh		
35.	Proposed EMP cost	Total project cost-40 lakh		
36.	Length and breadth of Haul Road	280m & 6m		
37.	No. of Trees to be Planted	150		

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

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

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

#### **Additional TOR:**

1. Base line data from October to December, 2020 should be provided.

**2. Stone (Khanda, Boulder & Gitti, Bailast) Mining at Gata No.-19, Khand No.-03, Village-Dunara, District-Mahoba., Shri Arun Singh, Area -2.226 ha. File No. 5794/Proposal No. SIA/UP/MIN/55544/2020**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for “Building Stone (Khanda, Boulder, Bailast (Gitti))” Project at Gata No.-19, Khand No.-3, Village- Ganj, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 2.226 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	The environmental clearance is sought for “Building Stone (Khanda, Boulder, Bailast (Gitti))” Project at Gata No.-19, Khand No.-3, Village- Ganj, Tehsil- Mahoba, District- Mahoba, U.P., (Applied Area- 2.226 ha.),			
2.	On-line proposal No.	SIA/UP/MIN/ 55544/2020		
3.	File No. allotted by SEIAA, UP	5794		
4.	Name of Proponent	Shri Arjun Singh S/o Late Rameshwar Singh		
5.	Full correspondence address of proponent and mobile no.	R/o- Village- Bahinga, Post-Kahra, Dstrict– Mahoba (U.P.)		
6.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project		
7.	Project location (Plot/ Khasra /Gata No.)	Gata No.-19, Khand No.-3		
8.	Name of River	Not Applicable		
9.	Name of Village	Ganj		
10.	Tehsil	Mahoba		
11.	District	Mahoba		
12.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))		
13.	Sanctioned LeaseArea (inHa.)	2.226ha.		
14.	Max.&Min mrl within lease area	206.0 mRL- 171.0 mRL		
15.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Sanctioned Area (2.2260 ha.)		
		A	25° 24' 11.28"	79° 56' 18.23"
		B	25° 24' 12.12"	79° 56' 22.59"
		C	25° 24' 16.41"	79° 56' 22.157"
		D	25° 24'18.278"	79° 56' 18.733"
16.	Total Geological Reserves	2117970 m <sup>3</sup>		
17.	Total Mineable Reserves	621431 m <sup>3</sup>		
18.	Total Proposed Production (in ten year)	621120 m <sup>3</sup>		
19.	Proposed Production / year	Year	Building Stone (Khanda, Boulder, Bailast (Gitti))	
			(in m <sup>3</sup> )	(in MT)
		Ist	133560	360612
		IIInd	133560	360612
		IIIrd	90000	243000
		IVth	40000	108000
		Vth	40000	108000
		VIth	36800	99360
		VIIth	36800	99360
		VIIIth	36800	99360
		IXth	36800	99360
		Xth	36800	99360
		Total	621120	1677024
20.	Sanctioned Period of Mine lease	10 Year		
21.	Production of mine/day	445 m <sup>3</sup> (average)		

22.	Method of Mining	Opencast Semi-Mechanized		
23.	No.of working days	300 days		
24.	Working hours/day	8 Hours/Day		
25.	No.Of workers	43 (average)		
26.	No.Of vehicle movement /day	44 (average)		
27.	Type of Land	Govt. Rocky Land		
28.	Ultimate Depth of Mining	24 meterbgl(average)		
29.	Nearest metallad road from site	0.40 km		
30.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.45	
		Suppression of dust	2.40	
		Plantation	0.25	
		Others( if any)	-----	
		Total	3.10	
31.	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- May 01, 2021		
32.	Any litigation pending against the project or land in any court	No		
33.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahobavide Letter No. 4106/M.M.C.-30/(2020-21) Dated 23, May 2020		
34.	Details of Lease Area in approved DSR	Page No.-83, Sr. No.-25		
35.	Proposed CER cost	1.60 Lakh		
36.	Proposed EMP cost	13.55 Lakh		
37.	Length and breadth of Haul Road.	Length- 0.40 km, Width- more than 6.0 m		
38.	No. of Trees to be Planted	250		

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

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

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

3. **Sand/Morrum Mining from Yamuna Riverbed at Gata No.-303mi, 313mi, 290mi, 301mi, 303, 304mi, 314mi, 297mi, 298mi, 302mi, 311mi, 312mi, 313, 314, Khand No.-02, Village-Panchayara, Loni, Ghaziabad., Area: 12.512 ha. File No. 5793/Proposal No. SIA/UP/MIN/55952/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for "Building Stone (Khanda, Boulder, Bailast (Gitti))" Project at Gata No.-19, Khand No.-3, Village- Ganj, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 2.226 ha.).

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

1. On-line proposal No.	SIA/UP/MIN/55952/2020			
2. File no. allotted by SEIAA,UP	5793			
3. Name of Proponent	M/s New Panther Security Guard Service ShriBani Singh S/o ShriRaghunath Singh			
4.Full correspondence address of proponent and mobile no.	R/o- Salasar Complex, 306, Shankar Vihar Colony, Kuraishi, Aligarh - 202001			
5. Name of Project	“Sand/ Moram Mining”			
6. Name of River	Yamuna River			
7. Project location (Plot/Khasra/Gata No.)	Gata No. 303 mi, 313 mi, 290 mi, 301 mi, 303, 304 mi, 314 mi, 297 mi, 298 mi, 302 mi, 311 mi, 312 mi, 313 mi & 314 mi			
8. Name of Minor Mineral	River Bed Material (Sand/Moram)			
9. Schedule (as per EIA notification 2006)	1(a)i			
10. Category of Project	B(1)			
11. Sanctioned Lease Area (in Ha.)	Total Lease Area: 12.512 Ha			
12. Mineable Area (in Ha.)	12.512 Ha			
13. Project Status	State Govt. has given its consent vide letter no. 993/खनन/ई-निविदासहईनीलामी / 2020, दिनांक- 23/06/2020 for the exploitation of Sand/Morrum for a period of five years having production capacity 2,50,240 m <sup>3</sup> /annum.			
14. Zero level mRL	205 mRL			
15. Max. & Min mRL within lease area	Highest: 208 mRL& Lowest: 207 mRL			
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate			
	Pillars	Latitude (N)	Longitude (E)	
	A	28°48'1.02"N	77°12'19.63"E	
	B	28°47'49.56"N	77°12'17.52"E	
	C	28°47'39.12"N	77°12'19.04"E	
	D	28°47'39.35"N	77°12'13.26"E	
	E	28°47'48.74"N	77°12'10.86"E	
	F	28°48'2.80"N	77°12'13.01"E	
17. Total Geological Reserves	4,11,544 m <sup>3</sup>			
18. Total Mineable Reserves in LOI	2,50,240 m <sup>3</sup>			
20. Proposed Production/year	2,50,240 m <sup>3</sup> per annum			
21. Sanctioned Period of Mine lease	Five years			
22. Production of mine/day	962.46 m <sup>3</sup> /day			
23. Method of Mining	Opencast semi-mechanized			
24. No. of Working days	260 Days			
25. Working hours/day	8 -10 hours/day			
26. No. Of Workers	59 Manpower			
27. No. of vehicles movement/day	50-60 Units (Assumed Loading Capacity: 10-20 m <sup>3</sup> /Unit)			
28. Type of Land	State Government Land			
29. Ultimate Depth of Mining	2.42 m			
30. Nearest metalled road from site	Panchayara – Mavikala Road is 750 m, East			
31. Water Requirement	Source	Purpose	Detail	Avg.Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	59 workers x 15 lpcd = 885 Lit/day	0.885 KLD
	Surface Water	Land reclamation/pl antation @2.5 Lit/Tree	625 Trees x 2.5 l/day = 1562.5 Lit/day	1.562 KLD

		Dust suppression @1 Lit/Sq.m (twice in a day)	Haul Road Area = (750 m Length x 7 m Width = 4305 m2) x 1 l/Sq.m = 4305 Lit/day x 2 = 8610 Lit/day	8.61 KLD
	Total			11.057 KLD (11.0 KLD)
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till April 03/2021			
33. Any litigation pending against the project or hand in any court	No			
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Ghaziabad. Letter No. 1112,खननलिपिक /2020,दिनांक -07-08-2020			
35. Details of Mining Lease Area in Approved Mining Plan	Sanctioned Mine Lease Area (ha)	12.512		
	Workable area(ha)	12.512		
	Avg Length(m)	706		
	Avg width(m)	177		
36. Details of Lease Area in approved DSR	Approved DSR,Ghaziabad : Page No-54, Table No-15, Sr. No-2			
37. Total Cost of Project	Rs. 116.45 Lakhs			
38. Proposed CER Cost	Rs. 2.33 Lakhs (2% of the total Project Cost)			
39. Proposed EMP Cost	Rs. 21.57 Lakhs			
40. Length and breadth of Haul Road	Haulage Road Length 750 m & Haulage Road Width 7 m			
41. No. of Trees to be Planted	625 Trees			

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

### **RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated following additional TOR points:**

#### **Additional TOR:**

1. Recalculate area and volume as per SSMMG, 2016.
2. Revised cluster certificate in prescribed format.
3. Geo coordinates of total lease area, workable, non-workable.
4. Form-1 should be revised accordingly.
5. Base line data from October to December, 2020 should be provided.

**4. Sand Mining at Gata No.33, Village-Assampur, Teshil-Amritpur, District- Farrukhabad, U.P., M/s Kamla Contractor., Area -10.05 ha. File No. 5795/Proposal No. SIA/UP/MIN/55555/2020**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Mining Project at Gata No.- 33, Village- Aasampur, Tehsil- Amritpur, District- Farrukhabad, U.P., (Applied Area- 10.05 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/55555/2020		
2.	File No. allotted by SEIAA, UP	5795		
3.	Name of Proponent	M/s Kamla Contractor & Supplier Aasampur Amritpur Prop.- Shri Anantram Shakya S/o Shri Kalicharan		
4.	Full correspondence address of proponent and mobile no.	R/o- KuiyanbootDhilawal, Post- Pachpukhara, Tehsil- Sadar, Distt.-Farrukhabad, U.P.		
5.	Name of Project	Ordinary Sand MiningProject		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 33		
7.	Name of River	Ganga		
8.	Name of Village	Aasampur		
9.	Tehsil	Amritpur		
10.	District	Farrukhabad		
11.	Name of Minor Mineral	Ordinary Sand		
12.	Sanctioned LeaseArea (inHa.)	10.05ha.		
13.	Max.&Min mrl within lease area	142.0 mRL- 135.0 mRL		
14.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	27°30'57.70"N	79°33'38.50"E
		B	27°30'54.41"N	79°33'36.87"E
		B-1	27°30'48.73"N	79°33'46.33"E
		C	27°30'.42.0"N	79°33'51.10"E
		D	27°30'57.70"N	79°33'51.10"E
15.	Total Geological Reserves	170850 m <sup>3</sup>		
16.	Total Mineable Reserves	103965 m <sup>3</sup>		
17.	Total Proposed Production (in five year)	100500 m <sup>3</sup>		
18.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	100500 m <sup>3</sup>	
		2 <sup>nd</sup>	100500m <sup>3</sup>	
		3 <sup>rd</sup>	100500m <sup>3</sup>	
		4 <sup>th</sup>	100500m <sup>3</sup>	
		5 <sup>th</sup>	100500m <sup>3</sup>	
		Total	502500m <sup>3</sup>	
19.	Sanctioned Period of Mine lease	5 Year		
20.	Production of mine/day	446 m <sup>3</sup> (average)		
21.	Method of Mining	Opencast Semi-Mechanized		
22.	No.of working days	225 days		
23.	Working hours/day	8 Hours/Day		
24.	No.Of workers	36 (average)		
25.	No.Of vehicle movement /day	37 (average)		
26.	Type of Land	River Bed Govt. Land		
27.	Ultimate Depth of Mining	1.20 meter (average)		
28.	Nearest metallad road from site	1.50 km		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.40	
		Suppression of dust	9.0	

		Plantation	0.50	
		Others( if any)	-----	
		Total	9.90	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Farrukhabadvide Letter No. 1652 Dated 14, August 2020		
33.	Details of Lease Area in approved DSR	Page No.-06, Sr. No.-04		
34.	Proposed CER cost	1.40 Lakh		
35.	Proposed EMP cost	17.825 Lakh		
36.	Length and breadth of Haul Road.	Length- 1.50 km, Width- more than 6.0 m		
37.	No. of Trees to be Planted	500		

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

#### **RESOLUTION AGAINST AGENDA NO-04**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated following additional TOR points:**

#### **Additional TOR:**

1. Intermediate geo coordinates between B & C is missing and should be provided at the time of EIA presentation.
2. Revised form-1 accordingly should be submitted.

#### **5. Sand /Morrum Mining at Gata No.-402 to 404, 404, 432 to 436, 438, 440 to 453, 468 to 473, 480 to 488, Composite-1, Village-Adhawal, Fatehpur, U.P., Shri Alok Mishra, Leased Area - 30.0 ha. File No. 5796/Proposal No. SIA/UP/MIN/55551/2020**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand/ Morrum Mining at AdhawalComposite-1 (Gata No.- 402 to 404, 432 to 436, 438, 440 to 453, 468 to 473, 480 to 488), Village- Adhawal, Tehsil- Fatehpur, District- Fatehpur, U.P.(Leased Area :30.0 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/55551/2020
2.	File No. allotted by SEIAA, UP	5796
3.	Name of Proponent	Shri Alok Mishra S/o Late Shri Prakash Mishra
4.	Full correspondence address of proponent and	R/o- S.-17/78, E-5, Krishna Nagar Colony, Pahadiya,



	mobile no.	Thana- Sarnath, Tehsil- Sadar, Distt. Varanasi, U.P.		
5.	Name of Project	Sand/ Morrum MiningProject		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 402 to 404, 432 to 436, 438, 440 to 453, 468 to 473, 480 to 488		
7.	Name of River	Yamuna		
8.	Name of Village	Adhawal		
9.	Tehsil	Fatehpur		
10.	District	Fatehpur		
11.	Name of Minor Mineral	Sand/ Morrum		
12.	Sanctioned LeaseArea (inHa.)	30.0ha.		
13.	Max.&Min mrl within lease area	95.0 mRL- 89.0 mRL		
14.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		Total Sanctioned Area (30.00 ha.)		
		A	25°49.160"N	80°28.353"E
		B	25°48.799"N	80°28.440"E
		C	25°48.687"N	80°28.285"E
		D	25°49.193"N	80°28.090"E
15.	Total Geological Reserves	510000 m <sup>3</sup>		
16.	Total Mineable Reserves	305508 m <sup>3</sup>		
17.	Total Proposed Production (in five year)	1500000 m <sup>3</sup>		
18.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	300000m <sup>3</sup>	
		2 <sup>nd</sup>	300000m <sup>3</sup>	
		3 <sup>rd</sup>	300000m <sup>3</sup>	
		4 <sup>th</sup>	300000m <sup>3</sup>	
		5 <sup>th</sup>	300000m <sup>3</sup>	
		Total	1500000m <sup>3</sup>	
19.	Sanctioned Period of Mine lease	5 Year		
20.	Production of mine/day	1333 m <sup>3</sup> (average)		
21.	Method of Mining	Opencast Semi-Mechanized		
22.	No.of working days	225 days		
23.	Working hours/day	8 Hours/Day		
24.	No.Of workers	46 (average)		
25.	No.Of vehicle movement /day	111 (average)		
26.	Type of Land	River Bed Govt. Land		
27.	Ultimate Depth of Mining	1.10 meter (average)		
28.	Nearest metalled road from site	0.60 km		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.50	
		Suppression of dust	3.60	
		Plantation	0.35	
		Others( if any)	-----	
		Total	4.45	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Fatehpurvide Letter No.785/30-Khanij/(2020-21) Dated 14, July 2020		
33.	Details of Lease Area in approved DSR	Page No.-08, Sr. No.-20		
34.	Proposed CER cost	2.10 Lakh		
35.	Proposed EMP cost	13.48 Lakh		
36.	Length and breadth of Haul Road.	Length- 0.60 km, Width- more than 6.0 m		

37.	No. of Trees to be Planted	330
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3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-05**

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

6. **Sand/Morrum Mining from Ken Riverbed at Khand Mo.-02, Gata No.-53 & Part of 337, Village Kanwara. Banda, Area: 14.65. File No. 4378/Proposal No. SIA/UP/MIN/166009/2020**

**RESOLUTION AGAINST AGENDA NO-06**

The committee noted that the document submitted on 17/08/2020 have not signed by project proponent. It must be signed and submitted in Secretariat for further necessary action. The matter will be discussed only after submission of online request on prescribed online portal.

7. **Sand/Morrum Mining from Ken Riverbed at Gata No.-61/3, Block No.-28, Vill-Khaptiha Kalan, Pailani, Banda, M/s Kaimes Infra Developers. Area-20 Ha. File No. 4627/4377/Proposal No. SIA/UP/MIN/30379/2018**

**RESOLUTION AGAINST AGENDA NO-07**

The Secretariat informed the committee that the environmental clearance for the above project was issued by SEIAA, U.P. vide letter no. 688/Parya/SEAC/4377-4627/2018 dated 08/02/2019 for the leased area 20.00 ha and production capacity of 4,00,000 m<sup>3</sup>/year. The project proponent submitted a letter dated 14/08/2020 for a revised production of 2,23,860 cum per year and directives to comply clause no. 35 and 27 of the specific condition of the E.C. They have also informed that the rate of replenishment was around 6.27% which was far less than the approved rate of production of 4,00,000 cum/year. The project proponent requested to revise the production capacity mentioned in environmental clearance letter dated 08/02/2019.

The Committee noted that the project proponent has submitted replenishment study report with analysis and result certified by QCI/NABT approved consultant, compliance report for the period of Jan to June-2020 and has provided a copy of revision filed under rule 78 of UMMCR-1963 in view of order dated 19.12.2019 passed by D.M. Banda.

The committee discussed the matter in depth and agreed to the request of project proponent and recommended that the letter should be sent to District Magistrate, Banda for providing the factual report of the site and a copy of the request letter should be sent to Director, Geology and Mining Department, Lucknow, Uttar Pradesh and the project proponent for necessary action. The matter shall be discussed after receipt of factual report.

8. **Sand/Morrum Mining at Khasra No.-177, 178Mi, 176, 160,159A, 162, 161, 158, 157Mi, 156, 155,163Mi,154,148,146,147,145,144, 143, 138, 142, 141, 139 Mi, 140Mi, 129, Village-Gadhiwa Majhigawan, Khaga, Fatehpur.,Area: 34.00 ha. File No. 4235/Proposal No. SIA/UP/MIN/25595/2018**

**RESOLUTION AGAINST AGENDA NO-08**

The committee observed that the PP/consultant did not submitted required document in the official file as well as the members of the SEAC. Hence, the committee directed to defer the matter and will be discussed only after submission of online information/request on prescribed portal.

9. **Sand/Morrum Mining from Rapti River bed, at Block No.-02, Gata No.- 04, Village- Tal Mahulani, Tehsil-Campierganj, Gorakhpur., Area: 5.0 ha. File No. 5723/Proposal No. SIA/UP/MIN/162566/2020**

**RESOLUTION AGAINST AGENDA NO-09**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and directed the project proponent to submit following information:

1. Recalculate area and volume as per SSMMG, 2016.
2. Revised cluster certificate in prescribed format.
3. Geo coordinates of total lease area, workable, non-workable.
4. Form-1 should be revised accordingly.

The matter will be discussed only after submission of online request on prescribed online portal.

10. **River Bed Sand Mining at Gata No.-22Kha, 42Kha, 42Ga, 43Ka, Village- Katri Durjanapur, District-Kannauj,U.P., Area -5.0 ha. File No. 5662/Proposal No. SIA/UP/MIN/153731/2020**

The committee noted that the matter was earlier discussed in 466<sup>th</sup> SEAC meeting dated 02/06/2020 and directed the project proponent to submit following information:

1. Valid accredited QCI Certificate is to be submitted.
2. According to documents submitted by the project proponent more than 90% lease area is submerged in google image. The committee decided that a letter should be sent to District Mining Officer, Kannauj for providing the factual report regarding total area, workable and non workable area (submersed area) alongwith volume as per SSMMG, 2016 and geo coordinates with date and time.
3. The committee also directed that a copy of the letter should be sent to Director, Geology and Mining Department, Lucknow, Uttar Pradesh and the project proponent for necessary action.
4. CER & EMP should be revised and submitted.

The project proponent submitted their replies vide letter dated 27/08/2020. Hence, the matter was listed in 489<sup>th</sup> SEAC meeting dated 10/09/2020. A presentation was made by the project proponent along with their consultant M/s P and M Solution. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for River Bed Sand Mining at Gata No.-22Kha, 42Kha, 42Ga, 43Ka, Village- Katri Durjanapur, District-Kannauj,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/153731/2020
2.	File No. allotted by SEIAA,UP	5662

3.	Name of Proponent	Kuldeep Narayan Katiyar S/o Late Devkinandan Katiyar		
4.	Full correspondence address of proponent and mobile no.	Nekpur Kalan, Thana-Fatehgarh, District- Farukhabad, Uttar Pradesh		
		Mobile No-9839234256		
		Email ID-kuldeepnarayankatiyar@gmail.com		
5.	Name of Project	River Bed Ordinary Sand Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	22 Kha, 42 Kha, 42 Ga, 43 Ka		
7.	Name of River	Ganga River		
8.	Name of Village	Katri Durjanapur		
9.	Tehsil	Kannauj		
10.	District	Kannauj		
11.	Name of Minor Mineral	Ordinary Sand		
12.	Sanctioned Lease Area (in Ha.)	5.0 Ha		
13.	Max. & Min mrl within lease area	126.0mRL & 124.0 mRL		
14.	Pillar Coordinates(Verified by DMO)	Pillar No	Latitude N	Longitude E
		A	26°59'48.0"N	79°59'46.0"E
		B	26°59'48.2"N	79°59'51.1"E
		C	26°59'36.9"N	79°59'57.8"E
		D	26°59'38.9"N	79°59'51.4"E
15.	Total Geological Reserves	1,50,000 m <sup>3</sup>		
16.	Total Mineable Reserves in LOI	90,000 m <sup>3</sup> Per Year		
17.	Total Proposed Production	4,50,000 m <sup>3</sup> for Five Year		
18.	Proposed Production	90,000 m <sup>3</sup> Per Year		
19.	Sanctioned Period of Mine lease	5 Year		
20.	Production of mine/day	360 m <sup>3</sup>		
21.	Method of Mining	Opencast Manual/Semi Mechanized		
22.	No. of working days	250 days		
23.	Working hours/day	8 Hours/Day		
24.	No. of workers	26		
25.	No. of vehicle movement /day	Tractor trolly-30, Dumper-04		
26.	Type of Land	Non-Agriculture, Govt. land		
27.	Ultimate Depth of Mining	3.0 m		
28.	Nearest Metalled road from site	Katri Durjanapur Metalled Road		
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Domestic Water @10lpcd/worker	00.26	
		Dust suppression @2 Lit/ Sqm	24.00	
		Plantation @2 Lit/plant 2 times	00.10	
		Others	-	
		Total	24.36	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s P and M Solution, First Floor, C-88, Sector-65, Noida, Uttar Pradesh-201301, QCI No-NABET/EIA/1922/IA 0053 Validity 10/12/2022		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	Letter No.-357/ Khaniz Lipik-Clu. Pra. Pa./2020 Dated 20/05/2020		
33.	Details of Lease Area in approved DSR	Details of Project is given in Page No. -26 , S. No. 1		
34.	Proposed CER cost	1,20,000/- Rs.		
35.	Proposed EMP cost	5,04,800/-Rs		
36.	Length and breadth of Haul Road.	Length-2.0Km, Breadth-6.0 m		
37.	No. of Trees to be Planted	25		

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

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

**RESOLUTION AGAINST AGENDA NO-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 & 3 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

1. Before plantation in a selected area the soil testing should be done and species to be chosen accordingly.
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. Selection of plants for green belt should be on the basis of pollution removal index.
5. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
6. Pakka motorable haul road to be maintained by the project proponent.
7. 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.
8. Permission from the competent authority regarding evacuation route should be taken.
9. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
10. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
11. 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.
12. Provision for cylinder to workers should be made for cooking.
13. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
14. Provide suitable mask to the workers.
15. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
16. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
17. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
18. Provision for two toilets and hand pumps should be made at mining site.
19. Drinking water for workers would be provided by tankers.
20. 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.
21. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
22. 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.

23. 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.
24. 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.
25. 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.
26. Width of the haul road shall be more than 6 meter.
27. 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.

**11. Sand Mining from Ganga Riverbed at Gata No.-13Mi, Village-Manpur Ahatmali, Tehsil-Beeghpur, District- Unnao, U.P., Area- 5.3660 Ha. Shri Jai Chand Singh. File No. 4703 /Proposal No. SIA/UP/MIN/169935/2020**

The committee noted that the environmental clearance of the above proposal was issued by SEIAA, U.P. vide letter no. 665/Parya/SEIAA/4703/2019, dated 05/03/2020. The project proponent submitted a letter dated 15/07/2020 through which they have informed that District Magistrate, Unnao has slightly modified the geo-coordinate of the project vide letter no. 1924/Khanan Vibhag/2020 dated 10/06/2020. The project proponent requested to amend the geo-coordinate in environmental clearance letter dated 05/03/2020.

The committee discussed the matter and recommended to amend the geo-coordinate mentioned in environmental clearance letter dated 05/03/2020 as per details given below:

<b>Pillar</b>	<b>Lat.</b>	<b>Long.</b>
A	26° 12' 30.165"N	80° 37' 2.462"E
B	26° 12' 18.29"N	80° 37' 3.108"E
C	26° 12' 24.179"N	80° 36' 51.065"E
D	26° 12' 25.378"N	80° 36' 51.618"E
E	26° 12' 29.433"N	80° 37' 0.478"E

**Rest all the other contents mentioned in environmental clearance letter no. 665/Parya/SEIAA/4703/2019, dated 05/03/2020 shall remain same.**

**12. Sand/Morrum Mining at Plot No.381, 378, 383, 382, 384, 385, 386Mi, 391, (Khand-2) Near Village: Korra Kanak, Fatehpur, area of 40.48 ha. File No. 4691/4379 /Proposal No. SIA/UP/MIN/31813/2018**

**RESOLUTION AGAINST AGENDA NO-12**

The committee noted that the factual report in the matter is still awaited. Hence, the committee directed the Secretariat to send a reminder letter to District Magistrate, Fatehpur & District Mining Officer, Fatehpur for providing the factual report of the site as soon as possible. The matter shall be discussed after receipt of factual report.

13. सैण्ड/मौरम माइनिंग प्रकरण पत्रावली संख्या- 5671, 5673 व 5674 से सम्बन्धित ई0आई0ए0 रिपोर्ट हेतु बेसलाइन डाटा माह मार्च,अप्रैल व मई, 2020 के स्थान पर कोविड-19, लॉकडाउन के कारण माह अक्टूबर से दिसम्बर, 2019 तक का डाटा स्वीकार करने के सम्बन्ध में।

The project proponent vide letter dated 03/07/2020 and 04/08/2020 have requested to considered the baseline data in the month of October to December, 2019 for the preparation of EIA/EMP report as per provision laid down in MoEF&CC, Govt. of India O.M. No. J-11013/41/2006-IA-II(I)(Part) dated 29/08/2017. The project proponent also submitted consent letter dated 02/07/2020 of project proponent (Shri Ashish Yadav, Village-Pallar, Badagaon, Jhansi) to use the baseline data of his project.

The committee discussed that matter and observed *that as per the MoEFCC, OM No. J-11013/41/2006-IA-II(I) (Part) Dated 29th – Aug – 2017, clause (vii) – “ the baseline data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for TOR or issue thereof. However, such a baseline data and the public consultation should not be older than 3 years, at the time of submission of the proposal, for grant of Environmental Clearance, as per TORs prescribed”*

The committee also observed that Appendix-III of EIA Notification 14<sup>th</sup> – Sept-2006, prescribes the generic structure of environmental impact assessment document.

The committee discussed the matter in detail and opined that the data should be available lying within 500 m on the basis of google image. If, PP/consultant has this kind of data, committee has no objection in accepting such data and that too with the consent of data owner.

14. River Sand/ Morrum Mining at Gata No./Zone No./Khand No.-20/7, Village-Tikapur, Tehsil-Maudaha, District- Hamirpur., (Leased Area : 24.28 Ha), File No. 4178/Proposal No. SIA/UP/MIN/22734/2018

#### RESOLUTION AGAINST AGENDA NO-14

The committee noted that the matter was earlier discussed in 380<sup>th</sup> SEAC meeting dated 18/12/2018 and recommend grant the environmental clearance alongwith general and specific conditions. The matter was discussed in 262<sup>nd</sup> SEIAA meeting dated 08/02/2019 and directed is as follows:

“SEIAA gone through the letter of Shri Chiddu S/o Tirra dated: 22/01/2019 regarding operation of sand/morrum mining. SEIAA opined that since the letter is addressed to the District Magistrate, Hamirpur with a copy to SEIAA. The case is referred to SEAC for comments.”

As per the direction of SEIAA, the matter was listed in SEAC meeting dated 03/04/2019. The committee discussed the letter dated 22/01/2019 of Shri Chiddu, S/o Shri Tirra and directed the Secretariat to send the above letter to District Magistrate, Hamirpur and District Mining Officer, Hamirpur for providing the factual report of the project site.

The Secretariat sent a letter no. 345, dated 18/07/2019 to District Magistrate, Hamirpur regarding factual report of the project site. Shri Shailendra Singh, Mining Officer, Hamirpur vide letter dated 27/06/2020 provided the factual report of the site and mentioned that the sufficient sand/morrum available at the project site. The committee also observed that the complaint letter is without address and contact number.

**The committee discussed the matter in light of factual report dated 27/06/2020 and again recommends grant of environmental clearance as per LoI issued by District Magistrate along with general and specific conditions stipulated in 380<sup>th</sup> SEAC meeting dated 28/12/2018.**

**15. Discussion on complaint letter of Shri Vichitra Singh, S/o Shri Rampal Singh, Balkhandi Naka, Banda, U.P. in the matter of Sand/Morum Mining at Gata No.- 332/17, Part of 333/7, 431/333/1, Khand No.-06, Vill.-Marauli Khandar, Banda., M/s Think Home Infrabuild Pvt. Ltd., Area-23.00 ha File No. 4827/5298/Proposal No. SIA/UP/MIN/47853/2019**

**RESOLUTION AGAINST AGENDA NO-15**

The Secretariat informed the committee that the environmental clearance for the above project was issued by SEIAA, U.P. vide letter no. 631/Parya/SEIAA/4827-5298/2019 dated 28/02/2020 and amendment in environmental clearance also issued by SEIAA, U.P. vide letter no. 132/Parya/SEIAA/4827-5298, dated 18/06/2020 for the leased area 23.00 ha and production capacity of 4,60,000 m<sup>3</sup>/year.

The Secretariat received a complaint letter dated 28/08/2020 of Shri Vichitra Singh, S/o Shri Rampal Singh, Balkhandi Naka, Banda, U.P. through which they have raise objection and service of notice on wrong E.C. granted for sand mining lease located at Gata No. 332/17, part of 333/7 & 431/333/1 in village Marauli Khadar (Khand-6) , District - Banda, Wrong grant of LoI and its un-scientific incorporation District Survey Report in view to increase the State Revenue causing Environmental damages - Hence making grant of E.C. false and fractious and deemed for cancellation.

The committee discussed the complaint letter dated 28/08/2020 of Shri Vichitra Singh and also noted that reference of Hon'ble N.G.T. Order dated 19.03.2020 in O.A. No. 208/2019 in the matter of Sandeep Kumar Singh &Ors. has also been mentioned in the letter.

**After in depth discussion, the committee decided that the above letter should be sent to District Magistrate Banda, District Mining Officer, Banda & Regional Officer, UPPCB, Banda for providing the factual report of the site in view of complaint letter of Shri Vichitra Singh. The copy of the same should be sent to project proponent and complainant for information.**

**16. Stone (Khanda, Gitti & Boulder) Mining at Gata No.-1073, (Khanda No.- 03), at Village-Jarar, Tehsil-Naraini, Banda, U.P., Area -2.0 ha File No. 5497/ 4834/Proposal No. SIA/UP/MIN/50578/2019**

**RESOLUTION AGAINST AGENDA NO-16**

The Secretariat informed the committee that the environmental clearance for the above project was issued by SEIAA, U.P. vide letter no. 232/Parya/SEIAA/5497-4834/2019 dated 11/08/2020 for the leased area 2.00 ha and production capacity of 20,000 m<sup>3</sup>/year.

The Secretariat received a complaint letter dated 26/08/2020 of Shri Habeeburrahman, S/o Shri Jameelurrahman, 134, Jamwara, Banda, U.P. and Shri Javed Iqbal through which they have informed as follows:

1. "...The building stone project is located in Gata No. 1073 which is less than 50 meters next to Gata No. 1099 which by land use in Kabristan - a pre identified place for burial of demised bodies where people regularly come to burry and pay homage to heavenly bodies.
2. There is also Mazaar (worship place) just of the top outcrop elevation of this mining lease. People here come to offer prayer in routine and this structure is emotionally a connected place from religious point of view.
3. As this a building stone project which involves drilling & blasting in ever stages, the noise vibrations emitted out of this project shall be detrimental to the health of nearby structures of Majar and Kabristan.



4. Added to this, the air emissions due to blasting shall have long lasting negative health impacts on the people visiting Majar and Kabristan.
5. The mining in the lease shall have devastating effects on the Majar which can experience cracks and automatic dismantlement due to drilling & Blasting of rock.”

The complainant requested to cancel the environmental clearance dated 11/08/2020 in the above facts and evidences.

The committee has gone through the notice and complaint dated 26-08-2020 of Habeebur Rahman and Javed Iqbal regarding wrong grant of E.C. by SEIAA,UP attracting violation under Rule 8(vi) of Principal EIA Notification – 2006 & appeal for immediate cancellation of Granted E.C. by SEIAA,UP as per Powers conferred under Para 5 & 5(a) of Environment Protection Act – 1986 (Central Act 29 of 1986) in view of prominent structures existing near lease.

The committee discussed the matter in detail and recommended to issue show cause notice to the project proponent regarding concealing the important facts while EIA appraisal process.

**17. Building Stone (Khanda, Gitti & Boulder) Mining at Araj No.-972, Village- Paswara, Tehsil -Sadar, District- Mahoba, U.P., (Leased Area -2.429 ha.). File No. 5770/Proposal No. SIA/UP/MIN/163810/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khanda, Gitti & Boulder) Mining at Araj No.-972, Village- Paswara, Tehsil -Sadar, District- Mahoba, U.P., (Leased Area -2.429 ha.).
2. Salient features of the project as submitted by the project proponent:

On-line Proposal No.	SIA/UP/MIN/163810/2020, Dated- 14.08.2020		
File No. allotted by SEIAA, UP	5770		
Name of Proponent	Shri Om Prakash Khatri		
Full correspondence address of proponent	R/o- Madhiya Naka Thana- Kotwali Nagar, District- Banda (U.P)		
Name of Project	“Khandas, Gitti - Boulder Mine” (Building Stone)		
Project location (Plot/Khasra/Gate No.)	Araj No. 972, Village: Paswara, Tehsil: Sadar, District: Mahoba (U.P.)		
Name of Minor Mineral	Khandas, Gitti - Boulder Mine		
Type of Land	State Government Land		
Land utilization Pattern	100% wasteland earmarked for the Gitti, Boulder, Khanda (Building Stone) mining by the Govt. of Uttar Pradesh.		
Sanctioned Lease Area (in Ha)	2.429 Ha		
Schedule (as per EIA notification 2006)	1(a)		
Category of Project	B(2)		
Proposed Production	1,82,175m <sup>3</sup> /annum		
Method of Mining	Open Cast, Semi-mechanized		
Sanctioned Period of Mine lease	Lease period 10 Years from the date of execution as per letter of intent vide No. 4028/एम0एम0सी0/आ0प/02020, दिनांक -28/03/2020.		
Pillar Coordinates	Pillar	Latitude	Longitude
	A	25°17'10.69"N	79°57'38.64"E
	B	25°17'11.25"N	79°57'41.07"E
	C	25°17'16.19"N	79°57'40.94"E
	D	25°17'19.00"N	79°57'40.03"E
	E	25°17'16.54"N	79°57'36.46"E

	F	25°17'13.72"N	79°57'36.44"E	
Toposheet No.	54O/15			
Total Geological Reserves	11,90,100 m <sup>3</sup>			
Total Mineable Reserves	6,07,825 m <sup>3</sup>			
Proposed Production/year in Mining Plan Approval Letter	1,82,175 m <sup>3</sup> /annum			
Production of mine/day	607.25 m <sup>3</sup> /day (1518.125 T/day) (Bulk Density- 2.5)			
No. of Working days	300 Days			
Working hours/day	8 hours/day			
No. of Workers	42 Manpower			
No. of vehicles movement/day	40 Units (Assumed Loading Capacity: 40 Tonnes/Unit)			
Altitude of the Area	<ul style="list-style-type: none"><li>• The Highest Point at 204.50mRL towards North Direction</li><li>• The Lowest Point at 189.10 mRL towards South Direction</li></ul>			
Ultimate Depth of Mining (Bench Level)	44meters (204mRL – 160 mRL)			
Ground Water Level	35-40mbgl (120 mRL)			
Nearest metalled road from site	Approach Road Length 640 m & Width 7m			
Water Requirement	Source			Avg. Demand/ Day
	Portable Tanker	Drinking @15lpcd/worker	42 workers x 15 lpcd = 630 lit/day	0.63 KLD
		Land reclamation/plantation @5 Lit/Tree	150 Trees x 5 lpcd = 750 Lit/day	0.75 KLD
		Mine operation /others	-	1.0 KLD
		Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (640 m Length x 7m Width = 4480m <sup>2</sup> ) x 1 lit/sq.m = 4480 lit (twice in a day)	4.48 KLD
	Total			6.86 KLD
Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS Environment Engineering Services Certificate No. NABET/EIA/1821/IA0034,Valid Till April 03/2021			
Any litigation pending against the project or land in any court	No			
Details of 500 m Cluster certificate issued by Mining Officer	पत्रांक: 4028//एम0एम0सी0/आ0प/02020,दिनांक -28/0320/20 issued by Mining Officer Mahoba.			
Details of Lease Area in DSR	Vacant Lease Table Part-1, Page No. 88, Sr. No. 122			
Total Proposed Project Cost	97.59 Lakhs			
Proposed CER cost	2.93 Lakhs (3% of the total Project Cost)			
Proposed EMP cost	14.28 Lakhs (Haulage Road repair, Dust Suppression, Plantation, Plantation Care)			
Length and breadth of Haul Road	Approach Road Length 640 m & Width 7m			
No. of Trees to be Planted	150 Trees			

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

fragile zone such as habitat of any wild fauna.

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

**RESOLUTION AGAINST AGENDA NO-17**

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.

**18. Discussion on site visit report of Revision and Expansion of Group Housing Project "Fortune Residency" at Khasra No.- 1116 & 1123, Village- Noor Nagar, Raj Nagar Extension, Ghaziabad, U.P., M/s Vasu Infrastructure Pvt. Ltd. File No. 4543/Proposal No. SIA/UP/NCP/83017/2018**

The committee noted that the matter was earlier discussed in 407<sup>th</sup> SEAC meeting dated 01/07/2019 and directed is as follows:

“The committee discussed the matter and decided that a site visit shall be undertaken by Dr. Arvind Mathur, Member, SEAC within 15 days and the site inspection report shall be submitted to SEAC. The matter shall be discussed after receipt of inspection report.”

A site visit was undertaken by Dr. Arvind Mathur and Shri Meraj Uddin, Members, SEAC on 10/08/2019. The inspection committee following observations was made:

“The committee observed that during the presentation on 01/07/2019, consultant/proponent submitted the wrong information by mistake. While, during the site visit, the building was found to be as per previous environmental clearance letter and as per approved building plan.”

The inspection report was put up by the Secretariat in 489<sup>th</sup> SEAC meeting dated 10/09/2020. The committee discussed the matter in light of site inspection report dated 11/09/2019 and presentation made by the project proponent on 01/07/2019 and recommended grant of environmental clearance for the project proposal given at Para-A along with general conditions as earlier prescribed by authority for construction project and specific conditions given at Para-B:

**Para – A (Project Details) :**

1. The environmental clearance is sought for Revision and Expansion of Group Housing Project "Fortune Residency" at Khasra No.- 1116 & 1123, Village- Noor Nagar, Raj Nagar Extension, Ghaziabad, U.P., M/s Vasu Infrastructure Pvt. Ltd.
2. The Environmental Clearance for the earlier proposal was issued by SEIAA, U.P. vide letter No. 550/Parya/SEAC/1044/AD (H)/2011 dated 21/03/2012 for plot area 30,292.00 m<sup>2</sup> and built-up area 1,34,826.47 m<sup>2</sup>.
3. Total number of dwelling units including EWS & LIG will increase to 1,150 from 1014.
4. Salient features of the project:

Description	Proposed
Plot Area	30,292.00 m <sup>2</sup> .
Built-up Area	1,35,152.19 m <sup>2</sup> .
Green Area	4,060.87 m <sup>2</sup> @ 15 % of Total Plot Area
Total Water Requirement	550 KLD
Fresh Water Requirement	368KLD

Wastewater Generation	451 KLD
Total Capacity of STP	550 KLD
Solid Waste Generation	3155 kg/day
Parking Required & Provided	1284 ECS & 1453 ECS
Power Demand & Source	769 kVA (Uttar Pradesh Power Corporation Limited)
Back up	390 kVA (1 x 250 kVA + 1 x 140 kVA )
RWH Pits	7 pits
Project Cost of Expansion	68 Crore
Project Completion Time	5 Years

**5. Comparative area details of existing and expansion proposal:**

S. N.	Particulars	As per earlier EC (m <sup>2</sup> )	Post Revision & Expansion (m <sup>2</sup> )
1.	Plot Area	30,292.00	30,292.00
2.	Area under road widening	3,219.51	3,219.51
3.	Balance Plot Area (1-2)	27,072.49	27,072.49
4.	Compulsory Green Area	4,060.87	4,060.87
5.	Deduct Plot Area for Nursery School	500.00	Nil
6.	Net Plot Area For Planning	22,511.62	24,179.17
7.	Permissible Ground Coverage @ 40% of Net Plot Area	9,004.648	9,671.66
8.	Proposed Ground Coverage	8,550.543 @37.98% of Net Plot Area	7,995.928 @33.06% of Net Plot Area
9.	Total Permissible FAR 1. Permissible FAR @ 3.75 2. Permissible F.A.R for School 3. Already Compounded F.A.R. Area 4. Incentive FAR against EWS & LIG	84,818.57 84,418.57 400.00 Nil Nil	90,864.75 90,671.88 Nil 192.87 3,793.56
10.	Total Proposed FAR: Residential F.A.R. Area FAR for Community Facilities Convenient Shops F.A.R. Proposed F.A.R. for School	84,492.79 83,425.63 385.77 281.39 400.00	90,802.22 89,741.47 Nil 604.00 456.75
11.	Total Non-FAR: 1st Basement 2nd Basement 3rd Basement Stilt Area Fire Staircase Area Mumty Area Machine Room 5% Non F.A.R Area	50,333.68 18,198.16 11,294.39 11,294.39 7,639.77 1,442.07 316.89 148.01 Nil	40,556.41 18,202.43 11,278.13 Nil 7,240.00 1,856.88 221.19 128.34 1,629.44 (Including Club/Community Facilities)
12.	Proposed Area for EWS & LIG	Nil	3,793.56
13.	Total Built-up Area (10 + 11 + 12)	1,34,826.47	1,35,152.19
14.	Total Open Area	18,421.94 @ 68.05% of Balance Plot Area	19,077.19 @ 70.46% of Balance Plot Area
15.	Total No. of General Dwelling Units	1,014	1,111
16.	Total EWS/LIG Units	Nil	39
17.	Total Dwelling Units (Including EWS/LIG)	1014	1150
18.	Height of the Highest Building	45.55	48.15

**5. Water calculation details:**

S. No.	Description	Occupancy	Rate of water demand (LPCD)	Total Water Requirement (KLD)
A.	Domestic Water Demand :			

	Residents	5750	86	494.5
	Staff	501	30	15.03
	Visitors	1028	15	15.42
Total Domestic Water Demand				524.95 say 525 KLD
B.	Landscape	4060.87	6 l/m <sup>2</sup> /day	25
Grand Total (A+B)				550 KLD

6. Comparative waste water details:

Description	As Per Earlier EC	Post Expansion
Fresh Water Requirement	395 KLD	368 KLD
Waste Water Generation	400 KLD	451 KLD
Total STP Capacity	500 KLD	550 KLD

7. Solid waste generation details:

S. No.	Category	Norms (kg/c/day)	Total Waste (kg/day)
1.	Domestic Waste:		
	Residents (5750)	@ 0.5	2875
	Total Staff & School Population (501)	@ 0.25	125.25
	Total Visitors (1028)	@ 0.15	154.2
2.	Landscape waste (1.0034 acre)	@ 0.2 kg/acre/day	0.20
	TOTAL SOLID WASTE GENERATED		3154.46 say 3155 kg/day

8. Parking details:

Parking Type	Parking Area	Area per ECS	Total parking Provided (ECS)
First Basement	17258.43	32	539
Second Basement	10634.13	32	332
Stilt	6911.003	28	247
Open parking	7710.22	23	335
Total Proposed Parking			1453 ECS

9. After the expansion, the total power requirement for the project is 2,923 kVA. 2 Nos. of transformer of capacity 1250 kVA each will be provided. Source of power will be Uttar Pradesh Power Corporation Limited (UPPCL)
10. Two Nos. DG sets of total capacity 390 kVA (1 × 250 + 1 X 140 kVA) will be provided at the project site for power back up.
11. 07 nos of rain water harvesting pits are proposed.
12. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

**Para – B (Specific Conditions):**

1. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.

5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. Organic waste convertor should be installed.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
16. 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.
17. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
21. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
22. 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 of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
23. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
24. No parking shall be allowed outside the project boundary.
25. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the

- project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
26. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
  27. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
  28. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  29. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
  30. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
  31. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
  32. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
  33. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
  34. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
  35. All the internal drains are to be covered till the disposal point.
  36. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
  37. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**(Dr. Virendra Misra)**  
**Member**

**(Dr. Pramod Kumar Mishra)**  
**Member**

**(Dr. Ranjeet Kumar Dalela)**  
**Member**

**(Shri Meraj Uddin)**  
**Member**

**(Dr. Ajoy Mandal)**  
**Member**

**(Shri Rajiv Kumar)**  
**Member**

**(Dr. Sarita Sinha)**  
**Member**

**(Prof. S.K. Upadhyay,)**  
**Member**

**(Dr. (Prof.) S. N. Singh)**  
**Chairman**

**Annexure-1**

**Terms of Reference for the Mining Project**

- 1) Baseline data of post monsoon period October to December, 2020 should be carried out and submitted.
- 2) 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.
- 3) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 4) 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.
- 5) 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).
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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.

- 14) 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.
- 15) 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.
- 16) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 17) 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.
- 18) 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.
- 19) 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.
- 20) 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.
- 21) 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).
- 22) 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.
- 23) 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.
  - 24) 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.
  - 25) 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.
  - 26) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
  - 27) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
  - 28) 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. 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.

**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 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 required prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, 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 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. 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 up loaded on the company's website and also displayed at 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) dt. 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 ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as 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 trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask 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 day hours time only.
15. Provision shall be made for the housing the labourers 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 suitable 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 to the Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board regarding 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 separate account and shall not be diverted for other purpose. 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 of 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 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 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 environment 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 Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. 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.
2. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
3. This environmental clearance shall be subject to valid lease in favour of 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.
4. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
5. Explosive cannot be stored on the site.
6. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
7. 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.
8. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as 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.
9. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
10. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
11. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people

- for 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.
12. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoE&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
  13. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only.
  14. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
  15. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The roads shall be black topped.
  16. Rain water harvesting shall be undertaken to recharge the ground water source.
  17. 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.
  18. 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 geo textile 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.
  19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
  20. 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. 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.
  21. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for 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 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.
  22. 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 ground water shall be set up and records maintained.
  23. 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.
  24. 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.
  25. Corporate Environmental Responsibility (CER) shall be 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
  26. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
  27. 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 health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
28. The project proponent will ensure for providing employment to 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.
  29. Top soil / 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 mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
  30. Over burden (OB) shall be stacked at 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 maximum 10 m and 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 run off.
  31. 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 six monthly basis.
  32. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
  33. Permission for abstraction of ground water 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.
  34. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to 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.
  35. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
  36. 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 course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
  37. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any.
  38. 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.
  39. Project Proponent shall explore the possibility of using solar energy where ever possible.
  40. Commitment towards CER has to be followed strictly.
  41. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
  42. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
  43. The blasting will be done only after getting the permission from the Mining Department.