

### **Minutes of 531<sup>st</sup> SEAC Meeting Dated 10/03/2021**

The 531<sup>st</sup> meeting of SEAC was held in Directorate of Environment, U.P. on 10/03/2021. Following members were present in the SEAC meeting:

- |    |                           |          |
|----|---------------------------|----------|
| 1. | Dr. 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 Meraj Uddin,         | Member   |

The Chairman welcomed the members to the 531<sup>st</sup> SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

- 1. Granite (Khanda, Gitti & Boulder) at Gata No.- 587 & 588, Khand No.- 09, Village- Nahari, Tehsil- Naraini, District- Banda, U.P., Shri Manish Pandey, M/s P.P.Pandey Infrastructure Pvt. Ltd., Area -2.0 ha. File No. 6188/5025/Proposal No. SIA/UP/MIN/60716/2019**

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

The project proponent requested to defer the matter in upcoming SEAC meeting. The committee agreed with the request made by the project proponent and directed to defer the matter in upcoming SEAC meeting. The matter will be discussed only after online request received from the project proponent.

- 2. Building Stone (Khanda, Gitti & Boulder) at Gata No.-84, at Village- Khalari, Tehsil- Naraini, Banda., Shri Manish Pandey, M/s P.P. Pandey Infrastructure Pvt.Ltd., Area -3.01 ha. File No. 6189/5022/Proposal No. SIA/UP/MIN/60687/2019**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

- The environmental clearance is sought for Khalari Building Stone (Khanda, Gitti & Boulder) at Gata No.-84, Village- Khalari, Tehsil- Naraini, District-Banda (U.P) (Leased Area -3.01 ha).
- The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 441/parya/SEAC/5022/2019, dated 03/12/2019.
- The public hearing was organized on 02/07/2020. Final EIA report submitted by the project proponent on 11/02/2021.
- Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/60687/2019
2.	File No. allotted by SEIAA, UP	6189/5022
3.	Name of Proponent	Shri Manish Pandey M/s P.P. Pandey Infrastructure Pvt Ltd

4.	Full correspondence address of proponent and mobile No.	R/o-II Floor, Sector-12 Aditya Plaza, Indira Nagar, Lucknow (U.P.)																										
5.	Name of Project	Proposed Khalaria Building Stone (Khanda, Gitti & Boulder)																										
6.	Project location (Plot/Khasra/Gata No.)	Gate No. 84																										
7.	Name of River	Ken river																										
8.	Name of Village	Khalaria																										
9.	Tehsil	Naraini																										
10.	District	Banda																										
11.	Name of Minor Mineral	Building Stone (Khanda,Gitty, Boulder)																										
12.	Sanctioned Lease Area (in Ha.)	3.01 ha																										
13.	Max & Min mRL within lease area	Max- 159.50 mRL and Min- 146.10 mRL																										
14.	Pillar Coordinates (Verified by DMO)	<table><tr><th colspan="3">Sanctioned Mining Lease Area</th></tr><tr><th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>25°05' 30.2"N</td><td>80°23' 00.3"E</td></tr><tr><td>B</td><td>25°05' 28.9"N</td><td>80°23' 04.2"E</td></tr><tr><td>C</td><td>25°05' 24.5"N</td><td>80°23' 04.8"E</td></tr><tr><td>D</td><td>25°05' 22.7"N</td><td>80°23' 03.6"E</td></tr><tr><td>E</td><td>25°05' 25.8"N</td><td>80°22' 59.5"E</td></tr><tr><td>F</td><td>25°05' 27.5"N</td><td>80°22' 58.6"E</td></tr></table>			Sanctioned Mining Lease Area			Pillar No.	Latitude	Longitude	A	25°05' 30.2"N	80°23' 00.3"E	B	25°05' 28.9"N	80°23' 04.2"E	C	25°05' 24.5"N	80°23' 04.8"E	D	25°05' 22.7"N	80°23' 03.6"E	E	25°05' 25.8"N	80°22' 59.5"E	F	25°05' 27.5"N	80°22' 58.6"E
Sanctioned Mining Lease Area																												
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D	25°05' 22.7"N	80°23' 03.6"E																										
E	25°05' 25.8"N	80°22' 59.5"E																										
F	25°05' 27.5"N	80°22' 58.6"E																										
15.	Total Geological Reserves	9,69,980m <sup>3</sup> or 24,24,950Tonnes																										
16.	Total Mineable Reserves in LOI	6,34,320m <sup>3</sup> or 15,85,800 Tonnes																										
17.	Total Proposed Production	1,50,500 m <sup>3</sup> or 3,76,250 Tonnes																										
18.	Proposed Production/year	30,100 m <sup>3</sup> or 75,250 TPA																										
19.	Sanctioned Period of Mine lease	20 years																										
20.	Production of mine/day	100.3 m <sup>3</sup> /day or 251tonnes/day																										
21.	Method of Mining	Open Cast Semi-mechanized Method																										
22.	No. of working days	300days																										
23.	Working hours/day	10hrs																										
24.	No. of workers	28																										
25.	No. of vehicles movement/day	40																										
26.	Type of Land	Government waste land																										
27.	Ultimate Depth of Mining	30m																										
28.	Nearest metalled road from site	0.7 km																										
29.	Water Requirement	<table><tr><th>PURPOSE</th><th>REQUIREMENT (KLD)</th></tr><tr><td>Drinking</td><td>0.3</td></tr><tr><td>Suppression of dust</td><td>4.2</td></tr><tr><td>Plantation</td><td>4.8</td></tr><tr><td>Total</td><td>9.3</td></tr></table>			PURPOSE	REQUIREMENT (KLD)	Drinking	0.3	Suppression of dust	4.2	Plantation	4.8	Total	9.3														
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Drinking	0.3																											
Suppression of dust	4.2																											
Plantation	4.8																											
Total	9.3																											
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022																										
31.	Any litigation pending against the project or land in any court	No																										
32.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified																										
33.	Details of Lease Area in approved DSR	Yes, given in the DSR																										
34.	Proposed CER cost	Rs 1,90,000																										
35.	Proposed EMP cost	Capital Cost-Rs.2.40Lac Recurring Cost-2.50 Lac/year																										
36.	No. of Trees to be Planted	1600 plants																										

5. 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.

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

**RESOLUTION AGAINST AGENDA NO-02**

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

3. **Sand/Morrum Mining from Yamuna River Bed River at Khand No.- 9/8 to 9/10, Village-Umarwal, Tehsil- Chail, Kaushambi., Smt. Mansi Rastogi W/o Shri Deepak Rastogi, M/s Balaji Coal Company, Area: 18.00 ha. File No. 6204/5324/Proposal No. SIA/UP/MIN/60868/2019**

**RESOLUTION AGAINST AGENDA NO-03**

The committee noted that the matter has already been discussed by SEAC in its 530<sup>th</sup> meeting dated 09/03/2021. Hence, no action is required in the matter.

4. **Building Stone (Khanda, Gitti & Boulder) Mining at Gata No./Araji No./ Plot No.-643, Khanda No.- 17, at Village- Goramachhiya, Tehsil & District- Jhansi, U.P., Shri Sanjay Kumar Gupta., Area -2.306 ha. File No. 4892/Proposal No. SIA/UP/MIN/36975/2019**

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. The committee directed to defer the matter due to non availability of following information:

1. Salient features of the project with photo affidavit.
2. Verified lease map in ammonia print.
3. DSR approved by competent authority.
4. Readable copy of public hearing.

The matter shall be discussed after submission of above online information.

5. **Sand/Morrum Mining at Gata No.-2494(Block No.-34),Village- Chandaaur,Tehsil-Atarra, Banda., M/s Sri Falgun Giri Mines., Area-7.80 ha. File No. 6207/5361/Proposal No. SIA/UP/MIN/60850/2020**

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. The committee directed to defer the matter due to non availability of following information:

1. Salient features of the project with photo affidavit.
2. Verified lease map in ammonia print along with verified geo coordinates.
3. Revised form-1 according to geo-coordinates.
4. Readable copy of public hearing.

The matter shall be discussed after submission of above online information.

6. Stone (Khanda,Boulder,Gitti,Bailast)Mining at Gata No.-688/4, Khand No.-22, Village-Goramacchiya, Sadar,Jhansi., Shri Deepak Kumar Agarwal, Area-4.046 ha. File No. 6175/Proposal No. SIA/UP/MIN/193604/2021

**RESOLUTION AGAINST AGENDA NO-06**

The Secretariat informed the committee that the project proponent have withdrawn the above application for the amendment in EC. Hence, the committee directed to close the file no. 6175.

7. Khanda-Boulder/Bailast, Gitti Mininig at Araj No./Plot No.-989, Khand No.-17, at Vill.-Makarbai, Sadar, Mahoba., Shri Kanak Dhvaj Singh, Area-4.048 ha. File No. 6157/Proposal No. SIA/UP/MIN/60589/2021

**RESOLUTION AGAINST AGENDA NO-07**

The SEAC observed that the project proponent did not submit the following documents:

1. Copy of power point presentation,
2. Photo affidavit regarding salient features of the project
3. Verified lease map.

Hence, the committee directed to defer the matter from the agenda. The matter shall be discussed after submission of above online information on portal.

8. Stone Mining at Gata No.- 989, Khand No.-08, Village- Makarbai, Mahoba., Smt. Malti Mishra, Area -1.619 ha. File No. 6163/Proposal No. SIA/UP/MIN/59809/2021

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

1. The environmental clearance is sought for Stone mining at Gata No.- 989 (Khand No.- 08), Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 1.619 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/59809/2021		
2.	File No. allotted by SEIAA, UP	6163		
3.	Name of Proponent	Smt. Malti Mishra W/o Shri Dinesh Kumar Mishra		
4.	Full correspondence address of proponent	R/o- House No.- 128/34, K-Block, Kidwai Nagar, Thana-Naubasta, District-Kanpur Nagar, U.P.		
5.	Project location (Plot/ Gata No.)	Gata No.- 989 (Khand No.- 08)		
6.	Name of Village	Makarbai		
7.	Tehsil	Mahoba		
8.	District	Mahoba		
9.	Name of Minor Mineral	Building Stone		
10.	Sanctioned Lease Area (in Ha.)	1.619 ha.		
11.	Max.& Min mRL within lease area	225.0 mRL- 187.0 mRL		
12.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 19' 51.338"N	79° 59' 29.648"E
		B	25° 19' 50.370"N	79° 59' 32.837"E
		C	25° 19' 44.720"N	79° 59' 31.986"E
		D	25° 19' 44.964"N	79° 59' 28.502"E
13.	Total Geological Reserves	1524762 m <sup>3</sup>		
14.	Total Mineable Reserves	449203 m <sup>3</sup>		

15.	Total Proposed Production (in five year)	400000 m <sup>3</sup>		
16.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	80000 m <sup>3</sup>	
		2 <sup>nd</sup>	80000 m <sup>3</sup>	
		3 <sup>rd</sup>	80000 m <sup>3</sup>	
		4 <sup>th</sup>	80000 m <sup>3</sup>	
		5 <sup>th</sup>	80000 m <sup>3</sup>	
		Total	400000 m <sup>3</sup>	
17.	Sanctioned Period of Mine lease	10 Years		
18.	Production of mine/day	266.67 m <sup>3</sup> (approx.)		
19.	Method of Mining	Opencast Semi-Mechanized		
20.	No.of working days	300 days		
21.	Working hours/day	8 Hours/Day		
22.	No.Of workers	40 (approx.)		
23.	No.Of vehicle movement /day	27 (approx.)		
24.	Type of Land	Govt. revenue land		
25.	Ultimate Depth of Mining	42 meter (average)		
26.	Nearest metalled road from site	0.50 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.40	
		Suppression of dust	3.00	
		Plantation	0.20	
		Others( if any)	-----	
		Total	3.60	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7415/MMC-30/ 2020-21 Dated 16 <sup>th</sup> December, 2020		
31.	Details of Lease Area in approved DSR	DSR Correction Letter No.- 8441/MMC-30-Khanij (2020-21) Dated 08/03/2021, Page No. 81, Sr No. 94		
32.	Proposed CER cost	1.50 Lakh		
33.	Proposed EMP cost	10.78 Lakh		
34.	Length and breadth of Haul Road.	Length- 0.5 Km, Width- more than 6.0 m		
35.	No. of Trees to be Planted	162		

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

**RESOLUTION AGAINST AGENDA NO-08**

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

1. Revised DSR corrigendum letter approved by competent authority (DM at the time of EIA).

**9. Building Stone Mining at Gata No.-339, Khand No.-10 Old 29 New, Vill.-Daharra, Sadar, Mahoba., Smt. Malti Mishra, Area-0.809 ha. File No. 6164/Proposal No. SIA/UP/MIN/59842/2021**

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

1. The environmental clearance is sought for Building Stone at Gata No.-339, (Khand No.- 10 Old 29 New), Village- Daharra, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area- 0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/59842/2021	
2.	File No. allotted by SEIAA, UP	6164	
3.	Name of Proponent	Smt. Malti Mishra W/o Shri Dinesh Kumar Mishra	
4.	Full correspondence address of proponent	R/o- House No.- 128/34, K-Block, Kidwai Nagar, Thana-Naubasta, District-Kanpur Nagar, U.P.	
5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project	
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-339, (Khand No.- 10 Old 29 New)	
7.	Name of Village	Daharra	
8.	Tehsil	Sadar	
9.	District	Mahoba	
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))	
11.	Sanctioned Lease Area (in Ha.)	0.809 ha.	
12.	Max.& Min mRL within lease area	193.0 mRL- 182.0 mRL	
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N) Longitude (E)
		A	25° 20' 15.482"N 79° 57' 43.664"E
		B	25° 20' 16.220"N 79° 57' 44.711"E
		C	25° 20' 12.080"N 79° 57' 50.853"E
		D	25° 20' 11.284"N 79° 57' 49.720"E
14.	Total Geological Reserves	562059 m <sup>3</sup>	
15.	Total Mineable Reserves	200011 m <sup>3</sup>	
16.	Total Proposed Production (in five year)	200000 m <sup>3</sup>	
17.	Proposed Production / year	Year	Production
		1 <sup>st</sup>	40000 m <sup>3</sup>
		2 <sup>nd</sup>	40000 m <sup>3</sup>
		3 <sup>rd</sup>	40000 m <sup>3</sup>
		4 <sup>th</sup>	40000 m <sup>3</sup>
		5 <sup>th</sup>	40000 m <sup>3</sup>
		Total	200000 m <sup>3</sup>
18.	Sanctioned Period of Mine lease	10 Years	
19.	Production of mine/day	133.33 m <sup>3</sup> (approx.)	
20.	Method of Mining	Opencast Semi-Mechanized	
21.	No.of working days	300 days	
22.	Working hours/day	8 Hours/Day	
23.	No.Of workers	35 (approx.)	
24.	No.Of vehicle movement /day	14 (approx.)	
25.	Type of Land	Govt. revenue land	
26.	Ultimate Depth of Mining	18 meter (average)	
27.	Nearest metalled road from site	0.25 km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.40
		Suppression of dust	1.50

		Plantation	0.10	
		Others( if any)	-----	
		Total	2.00	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7428/MMC-30/ 2020-21 Dated 16 <sup>th</sup> December, 2020		
32.	Details of Lease Area in approved DSR	DSR Correction Letter No.- 8429/MMC-30-Khanij (2020-21) Dated 08/03/2021, Page No. 80, Sr No. 65		
33.	Proposed CER cost	1.30 Lakh		
34.	Proposed EMP cost	9.68 Lakh		
35.	Length and breadth of Haul Road.	Length- 0.25 Km, Width- more than 6.0 m		
36.	No. of Trees to be Planted	80		

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

#### **RESOLUTION AGAINST AGENDA NO-09**

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

- Revised DSR corrigendum letter approved by competent authority (DM at the time of EIA).

#### **10. Building Stone Mining at Gata No.-935, Khand No.-01, at Makarbai, Mahoba., Smt. Poonam Bharadwaj, Area -3.643 ha. File No. 6165/Proposal No. SIA/UP/MIN/59811/2021**

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

- The environmental clearance is sought for Building Stone mining at Gata No.-935 Khand No.- 01, Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 3.643 ha.).
- Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/59811/2021
2.	File No. allotted by SEIAA, UP	6165
3.	Name of Proponent	Smt. Poonam Bharadwaj W/o Shri Somesh Bhardwaj
4.	Full correspondence address of proponent	R/o- Moh.- Gularnaka, Amar Talkies, District- Banda, U.P.
5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-935 Khand No.- 01
7.	Name of Village	Makarbai
8.	Tehsil	Mahoba
9.	District	Mahoba
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))
11.	Sanctioned Lease Area (in Ha.)	3.643 ha.

12.	Max.& Min mRL within lease area	197.0 mRL- 186.0 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 19' 52.439"N	79° 59' 02.139"E
		B	25° 19' 50.144"N	79° 59' 02.858"E
		C	25° 19' 49.078"N	79° 59' 07.363"E
		D	25° 19' 46.182"N	79° 59' 08.825"E
		E	25° 19' 43.646"N	79° 59' 08.520"E
		F	25° 19' 43.310"N	79° 59' 06.249"E
		G	25° 19' 43.639"N	79° 59' 05.366"E
		H	25° 19' 43.437"N	79° 59' 04.118"E
		I	25° 19' 44.573"N	79° 59' 02.574"E
		J	25° 19' 48.481"N	79° 59' 01.831"E
K	25° 19' 47.117"N	79° 58' 58.906"E		
14.	Total Geological Reserves	2580090 m <sup>3</sup>		
15.	Total Mineable Reserves	1302570 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	900000 m <sup>3</sup>		
17.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	180000 m <sup>3</sup>	
		2 <sup>nd</sup>	180000 m <sup>3</sup>	
		3 <sup>rd</sup>	180000 m <sup>3</sup>	
		4 <sup>th</sup>	180000 m <sup>3</sup>	
		5 <sup>th</sup>	180000 m <sup>3</sup>	
		Total	900000 m <sup>3</sup>	
18.	Sanctioned Period of Mine lease	10 Years		
19.	Production of mine/day	600 m <sup>3</sup> (approx.)		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No.of working days	300 days		
22.	Working hours/day	8 Hours/Day		
23.	No.Of workers	40 (approx.)		
24.	No.Of vehicle movement /day	60 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	24 meter (average)		
27.	Nearest metalled road from site	0.50 km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.40	
		Suppression of dust	3.00	
		Plantation	0.40	
		Others( if any)	-----	
		Total	3.80	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 7419/MMC-30/ 2020-21 Dated 16 <sup>th</sup> December, 2020		
32.	Details of Lease Area in approved DSR	DSR Correction Letter No.- 8442/MMC-30-Khanij (2020-21) Dated 08/03/2021, Page No. 81, Sr No. 93		
33.	Proposed CER cost	1.85 Lakh		
34.	Proposed EMP cost	13.37 Lakh		
35.	Length and breadth of Haul Road.	Length- 0.5 Km, Width- more than 6.0 m		
36.	No. of Trees to be Planted	365		

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

**RESOLUTION AGAINST AGENDA NO-10**

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

1. Revised DSR corrigendum letter approved by competent authority (DM at the time of EIA).

**11. Stone Mining at Gata No.-142, at Village-Sonpur, Chunar, Mirzapur., Shri Ajay Kumar Singh, M/s Lifemap Builders Pvt. Ltd. Area-1.01ha. File No. 6166/Proposal No. SIA/UP/MIN/59565/2021**

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

1. The environmental clearance is sought for Stone mining at Gata No.-142, Village- Sonpur, 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/59565/2021		
2.	File No. allotted by SEIAA, UP	6166		
3.	Name of Proponent	M/s Lifemap Builders Pvt. Ltd. Shri Ajay Kumar Singh		
4.	Full correspondence address of proponent	R/o- 51415A Ambrosiya Apartment, Lanka, Varanasi, U.P.		
5.	Name of Project	Building Stone (Sand Stone) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-142		
7.	Name of Village	Sonpur		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	Building Stone (Sand Stone)		
11.	Sanctioned Lease Area (in Ha.)	1.01 ha.		
12.	Max.& Min mRL within lease area	109.0 mRL- 101.0 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 02' 53.3"N	82° 00' 14.7"E
		B	25° 02' 51.2"N	82° 00' 14.5"E
		C	25° 02' 52.3"N	82° 00' 10.8"E
		D	25° 02' 54.7"N	82° 00' 10.7"E
14.	Total Geological Reserves	656271 m <sup>3</sup>		
15.	Total Mineable Reserves	165618 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	50500 m <sup>3</sup>		
17.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	10100 m <sup>3</sup>	
		2 <sup>nd</sup>	10100 m <sup>3</sup>	

		3 <sup>rd</sup>	10100 m <sup>3</sup>
		4 <sup>th</sup>	10100 m <sup>3</sup>
		5 <sup>th</sup>	10100 m <sup>3</sup>
		Total	50500 m <sup>3</sup>
18.	Sanctioned Period of Mine lease	10 Years	
19.	Production of mine/day	33.67 m <sup>3</sup> (approx.)	
20.	Method of Mining	Opencast Semi-Mechanized	
21.	No.of working days	300 days	
22.	Working hours/day	8 Hours/Day	
23.	No.Of workers	30 (approx.)	
24.	No.Of vehicle movement /day	4 (approx.)	
25.	Type of Land	Govt. revenue land	
26.	Ultimate Depth of Mining	12 meter (average)	
27.	Nearest metalled road from site	0.75 km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.30
		Suppression of dust	4.50
		Plantation	0.10
		Others( if any)	-----
		Total	4.90
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mirzapur vide Letter No. 2228/Khanij/Sr.No./2020-21 2020-21 Dated- 09-03-2021	
32.	Details of Lease Area in approved DSR	Page No.-17, S.No.- 6	
33.	Proposed CER cost	1.35 Lakh	
34.	Proposed EMP cost	11.65 Lakh	
35.	Length and breadth of Haul Road.	Length- 0.75 Km, Width- more than 6.0 m	
36.	No. of Trees to be Planted	100	

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

### **RESOLUTION AGAINST AGENDA NO-11**

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

1. Revised DSR corrigendum letter approved by competent authority (DM at the time of EIA).

**12. Proposed Development of "Ganga Expressway" from Meerut to Prayagraj, an Access Controlled Greenfield Expressway Project. File No. 6186/Proposal No. SIA/UP/NCP/60685/2021**

The committee noted that the matter was earlier discussed in 525<sup>th</sup> SEAC meeting dated 19/02/2021 and directed as follows:

“The committee discussed the matter and directed the project proponent to revise the presentation in the light of standard TOR points and additional points if any pertaining to the “development of Ganga Expressway from Meerut to Prayagraj” and present before the SEAC. The affidavit for CPA should also be provided at the time of appraisal.”

The project proponent submitted their replies vide letter dated 01/03/2021. Hence, the matter was listed in 531<sup>st</sup> SEAC meeting dated 10/03/2021. A presentation was made by the project proponent along with their consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Development of 'Ganga Expressway' from Meerut to Prayagraj (Total Length – 593.947 Km), an Access Controlled Greenfield Expressway Project, (CH 7+900-CH 601+847 Km), M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA).
2. Proposed expressway passes through 12 districts namely Meerut, Hapur, Bulandshahar, Amroha, Sambhal, Badaun, Shahjahanpur, Hardoi, Unnao, Raebareli, Pratapgarh, and Prayagraj.
3. The proposed Ganga Expressway starts from Meerut-Bulandshahar (NH-334) near Village Bijoli (Dist. Meerut) (CH 7+900) & terminates at Prayagraj Bypass on NH-19 near village Judapur Dando (Dist. Prayagraj) (CH 601+847).
4. The land use pattern on the both sides of the expressway is predominantly agricultural.
5. Approximately 158330 number of Plants/trees are to be affected for which compensatory plantation will be done. In addition to that plantation and landscaping is proposed in the Median and on both side of carriageway at balance available land within 120 Mt wide RoW as per guidelines.
6. Along the proposed expressway 142 nos of borrow areas are identified for borrow earth requirement; restoration of same will be proposed in EIA study.
7. Eco-sensitive Zone & Critical Polluted Area details as provided by the project proponent:
  - Sandi Bird Sanctuary (approx. 4.6 km) (ESZ notified vide S.O. 2776(E), dated 30.07.2019), District Hardoi.
  - Shaheed Chandrashekhar Azad Bird Sanctuary (Nawabganj) (Approx. 8.5 km) - (ESZ notified vide S.O. 3153(E), dated 29.08.2019), District Unnao.
  - Samaspur Bird Sanctuary (Approx. 3.5 km) - (ESZ notified vide S.O. 3529(E), dated 26.09.2019), District Raebareli.
  - Proposed project do not pass through any Critically Polluted Area (CPA)/Severely Polluted Area (SPA) as specified by CPCB/ Ministry of Environment, Forests & Climate Change, Govt. of India.
  - Bulandshahar-Khurja (Sl.No.-5) with CEPI score 85.23 (Critically Polluted Area) falls at a distance of 37 km and 47 km from proposed alignment.

8. Total Water Demand of the project is 6,98,20,894 KL. The Ganga Expressway is crossing 288 no Rivers / Stream / Canal / Nallah, 07 nos. of NH, 16 nos. of SH, 7 nos. of ROB, 17 no. of Interchanges, 14nos. of Major Bridge, 126 nos. of Minor Bridge, 403 nos. of Fly Over/Underpassed 929 nos. of culverts along the project stretch. So there is ample water available during execution of work.
9. As per Ministry of Environment and Forest Notification, New Delhi dated 14.01.1997 (as amended on 13.01.1998, 05.01.1999 & 2000) the construction of rain water harvesting structure should be at each 500 m interval and same will be proposed as per guidelines.

**10. Project details:**

S.N.	Item	Description
1	Length	593.947 km
2	Right of Way (RoW)	120 m
3	Design Speed	120 km/h
4	Project Coordinates	Starting Point: 28°51'53.93"N, 77°44'28.76"E Ending Point: 25°34'57.22"N, 81°48'45.41"E
5	Total Project Area	7800 ha
6	Land Requirement	Govt./Pvt. Land- 7685 ha Forest land- 115 ha
7	Forest Area	Forest Land to be affected-115 ha Protected forest -52 ha Reserve forest -63 ha
8	Estimated project cost	INR 36388.00 Crores (EIRR-13.4%)

**11. Details of rivers crossing the alignment:**

S.N.	River	Chainage	Span
1	Kali River	17+727	3X30
2	Ganga River	66+850	16X60
3	Sot River	157+356	3 X 35
4	Aril River	207+740	3 X 30
5	Ramganga River	217+920	12 X 60
6	Baghul River	238+190	4 X 38
7	Garra River	317+923	4 X 60

12. The project proposal falls under category-7(f) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and recommended to issue following additional terms of reference (AToR) for conducting EIA regarding the project:**

**(A) Additional TOR:**

1. Baseline monitoring station should be marked as per MoEF&CC, GoI guidelines.
2. Comparison of baseline data from secondary & primary source.
3. Plan for electric vehicle charging station.
4. Ambient air monitoring and mitigation at the site of storage of raw material and during its mixing.
5. Proposed plantation details and its location.
6. Provided the land details with acquisition status.
7. Details of water consumption, treatment and water quality to be provided to work out. Explore the possibility for treated water for contraction.
8. Top soil management details.

9. Examine and submit a brief description of the project, project name, nature, size, its importance to the region/state and the country.
10. Tree cutting permission.
11. Bitumen layer to be provided on road.
12. Mobile bio toilets to be provided.
13. Use of the plastic waste in road construction as per MoEF guideline.
14. Tree is to be provided on the both side of the road. Number of the trees to be worked out.
15. Both side drain to be connected to RWH structures.
16. Air Quality monitoring stations to be provided at toll plaza.
17. The EIA should include the fly ash generating potential of the surrounding areas and submit a plan for utilizing fly ash generation within 100 km of the project.
18. The EIA should have clear cut recommendations on resettlement and rehabilitation options for the population effected.
19. The EIA should also address to the impacts of vehicular emissions and air quality and river water quality and the aquatic life.
20. All the proposed soil excavation borrowing area should be specifically mentioned in the EIA report for the purpose of land filling.
21. The prediction of impacts on water balance should also include the effects of compaction on marginal bund overlaid by road traffic on the permeability of underlying sub soils and the ground water flow to the river, if any.
22. The Wetlands in the study area should be suitably mapped. The report should examine the impact of the proposed activities on wetlands.
23. The EIA should address to the environmental impacts of ancillary activities of projects which are likely to come up such as garages, petrol pumps and motels etc.
24. The EIA should also address to the migratory paths of wild life.
25. The EIA should also address to all the phases (acquisition of land, preparation, construction and operation) of the project while evaluating the impact on environment and drawing up the management plan.
26. The report should try to analyze the impact of the project as a catalyst to development of slums and other unorganized activities. The EMP should control this through well defined land use provisions.
27. All sampling locations studied should be strictly mapped using digital mapping/GIS techniques.
28. Water conservation, reduction in use and waste water management during construction.
29. Provision of housing, fuel, safe drinking water and sanitations for the contract labour.
30. The EIA should strictly follow the methods of monitoring and analysis, annexure-iv: Guidance for assessment of representativeness and reliability base line environmental attributes detailed under EIA manual, January, 2001 and other guidelines in the matter.
31. In case the project involves diversion of forests land, guidelines under OM dated 20.03.2013 may be followed and necessary action taken accordingly.
32. Details of any litigation(s) pending against the project and/or any directions or orders passed by any court of law/any statutory authority against the project to be detailed out.
33. Submit detailed alignment plan, with details such as nature of terrain (plain, rolling, hilly), land use pattern, habitation, cropping pattern, forest area, environmentally sensitive places, mangroves, notified industrial areas, sand dunes, sea, river, lake, details of villages, teshils, districts and states, latitude and longitude for important locations falling on the alignment by employing remote sensing techniques followed by ground truthing and also through secondary data sources.
34. Describe various alternatives considered, procedures and criteria adopted for selection of the final alternative with reasons.
35. Submit Land use map of the study area to a scale of 1: 25,000 based on recent satellite imagery delineating the crop lands (both single and double crop), agricultural plantations, fallow lands,

waste lands, water bodies, built-up areas, forest area and other surface features such as railway tracks, ports, airports, roads, and major industries etc. and submit a detailed ground surveyed map on 1:2000 scale showing the existing features falling within the right of way namely trees, structures including archeological & religious, monuments etc. if any.

36. If the proposed route is passing through any hilly area, examine and submit the stability of slopes, if the proposed road is to pass through cutting or embankment / control of soil erosion from embankment. Landslide, rock fall protection measures to be indicated.
37. If the proposed route involves tunneling, the details of the tunnel and locations of tunneling with geological structural fraction should be provided. In case the road passes through a flood plain of the river, the details of micro drainage, flood passages and information on high levels flood periodicity at least of last 50 years in the area should be examined.
38. The projects is located within 10km. of the sanctuary a map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon should be furnished at the stage of EC.
39. Study regarding the Animal bypasses / underpasses etc. across the habitation areas shall be carried out. Adequate cattle passes for the movement of agriculture material shall be provided at the stretches passing through habitation areas.
40. The information should be provided about the details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees. Animal and wild life crossings to be provided in areas inhabited by wild life.
41. Necessary green belt shall be provided on both sides of the highway with proper central verge and cost provision should be made for regular maintenance.
42. If the proposed route is passing through a city or town, with houses and human habitation on the either side of the road, the necessity for provision of bypasses/diversions/under passes shall be examined and submitted. The proposal should also indicate the location of wayside amenities, which should include petrol station/service centre, rest areas including public conveyance, etc. Noise reduction measures should also be indicated.
43. Submit details about measures taken for the pedestrian safety and construction of underpasses and foot-over bridges along with flyovers and interchanges, If any.
44. Assess whether there is a possibility that the proposed project will adversely affect road traffic in the surrounding areas (e.g. by causing increases in traffic congestion and traffic accidents). Specific care be also taken to ensure that by passes have a sufficient buffer to prevent unwanted obstructions defying the purpose of the by pass
45. Examine and submit the details of use of fly ash in the road construction, if the project road is located within the 100 km from the Thermal Power Plant.
46. Examine and submit the details of sand quarry, borrow area and rehabilitation.
47. Explore the possibilities of utilizing the debris/ waste materials available in and around the project area.
48. Submit the details on compliance with respect to Research Track Notification of MoRTH
49. Examine and submit the details of sand quarry and borrow area as per OM no.2-30/2012-IA-III dated 18.12.2012 on 'Rationalization of procedure for Environmental Clearance for Highway Projects involving borrow areas for soil and earth" as modified vide OM of even no. dated March 19, 2013 (as amended).
50. Climate and meteorology (max and min temperature, relative humidity, rainfall, frequency of tropical cyclone and snow fall); the nearest IMD meteorological station from which climatological data have been obtained to be indicated.
51. The air quality monitoring should be carried out as per latest norms/guidelines.
52. Identify project activities during construction and operation phases, which will affect the noise levels and the potential for increased noise resulting from this project. Discuss the effect of noise

levels on nearby habitation during the construction and operational phases of the proposed highway. Identify noise reduction measures and traffic management strategies to be deployed for reducing the negative impact if any. Prediction of noise levels should be done by using mathematical modeling at different representative locations.

53. Examine the impact during construction activities due to generation of fugitive dust from crusher units, air emissions from hot mix plants and vehicles used for transportation of materials and prediction of impact on ambient air quality using appropriate mathematical model, description of model, input requirement and reference of derivation, distribution of major pollutants and presentation in tabular form for easy interpretation shall be carried out.
54. Also examine and submit the details about the protection to existing habitations from dust, noise, odour etc. during construction stage. IRC guidelines to be followed for traffic safety while passing through the habitat.
55. If the proposed route involves cutting of earth, the details of area to be cut, depth of cut, locations, soil type, volume and quantity of earth and other materials to be removed with location of disposal/ dump site along with necessary permission.
56. If the proposed route is passing through low lying areas, details of fill materials and initial and final levels after filling above MSL, should be examined and submit.
57. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
58. Examine and submit details of water quantity required and source of water including water requirement during the construction stage with supporting data and also categorization of ground water based on the CGWB classification.
59. Examine and submit the details of measures taken during constructions of bridges across river/ canal/major or minor drains keeping in view the flooding of the rivers and the life span of the existing bridges. Provision of speed breakers, safety signals, service lanes and foot paths should be examined at appropriate locations throughout the proposed road to avoid the accidents.
60. If there will be any change in the drainage pattern after the proposed activity, details of changes shall be examined and submitted.
61. Rain water harvesting pit should be at least 3 - 5 m. above the highest ground water table. Provision shall be made for oil and grease removal from surface runoff.
62. If there is a possibility that the construction/widening of road will cause impact such as destruction of forest, poaching, reductions in wetland areas, if so, examine the impact and submit details.
63. Submit the details of road safety, signage, service roads, vehicular under passes, accident prone zone and the mitigation measures.
64. IRC guidelines shall be followed for widening & up-gradation of road.
65. Submit details of social impact assessment due to the proposed construction of road.
66. Examine road design standards, safety equipment specifications and Management System training to ensure that design details take account of safety concerns and submit the traffic management plan.
67. Accident data and geographic distribution should be reviewed and analyzed to predict and identify trends - incase of expansion of the existing highway and provide Post accident emergency assistance and medical care to accident victims.
68. If the proposed project involves any land reclamation, details to be provided for which activity land to reclaim and the area of land to be reclaimed.
69. Details of the properties, houses, businesses religious and social places etc. activities likely to be effected by land acquisition and their financial losses annually.
70. Detailed R&R plan with data on the existing socio-economic status of the population in the study area and broad plan for resettlement of the displaced population, site for the resettlement colony, alternative livelihood concerns/employment and rehabilitation of the displaced people, civil and

housing amenities being offered, etc and the schedule of the implementation of the project specific.

71. Submit details of Corporate Social Responsibility. Necessary provisions should be made in the budget.
72. Estimated cost of the project including environmental monitoring cost and funding agencies, whether governmental or on the basis of BOT etc and provide details of budget provisions (capital & recurring) for the project specific R&R Plan.
73. Submit environmental management and monitoring plan for all phases of the project viz. construction and operation.
74. Details of blasting if any, methodology/technique adopted, applicable regulations/permissions, timing of blasting, mitigation measures proposed. Keeping in view mating season of wild life.
75. In case of river/ creek crossing, details of the proposed bridges connecting on either banks, the design and traffic circulation at this junction with simulation studies.
76. Details to ensure free flow of water in case the alignment passes through water bodies/river/ streams etc.
77. In case of bye passes, the details of access control from the nearby habitation/habitation which may come up after the establishment of road.
78. Bridge design in eco sensitive area / mountains be examined keeping in view the rock classification hydrology etc.
79. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
80. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

**13. Sand/Morrum Mining from Ken Riverbed at Gata No.-1141 Part (12.796 ha), 1137, 1136, 1123/2, 1125, 1127, 1131, 1132, Village-Bhurendi, Tehsil-Banda, Banda., M/s Katayani Natural Resources Ltd., Area: 37.0 Ha. File No. 4208/Proposal No. SIA/UP/MIN/ 23916/2018**

The committee noted that the matter was earlier discussed in 445<sup>th</sup> SEIAA meeting dated 09/02/2021 and directed as follows:

“SEIAA gone through the letter of Shri Avinash Ray dated 22.12.2020 regarding the above subject. SEIAA opined that the letter shall be sent to SEAC for comments/recommendations.”

**RESOLUTION AGAINST AGENDA NO-13**

As per the direction of SEIAA, the matter was listed in 531<sup>st</sup> SEAC meeting dated 10/03/2021. The committee discussed the letter dated 22/12/2020 of Shri Avinash Ray and decided that a letter should be sent to the District Magistrate, Banda and District Mining Officer, Banda for providing the factual report on the matter within 15 days.

The matter shall be discussed after receipt of factual report.

**14. Transfer of EC issued vide letter No.689/Parya (DEIAA)-728/2017-18, Dt. 10-01-2018**

The committee noted that under para-11 of EIA Notification, 2006 mentioned as below:

“A prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written “no objection” by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. **No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases.”**

Hence, no action is required at SEAC level.



**15. Sand/Morrum Mining from Betwa River Bed in Khand No.-10/22, at Village- Beri, Hamirpur., Shri Mithlesh Kumar Gupta., Area-36.437 Ha. File No. 4390/Proposal No. SIA/UP/MIN/28157/2018**

The committee noted that the matter was earlier discussed in 450<sup>th</sup> SEIAA meeting dated 22/02/2021 and directed as follows:

“SEIAA gone through the letter of the project proponent dated 02.02.2021 regarding consideration of geo-coordinates mentioned in letter of DMO dated 14.12.2020. SEIAA opined to refer the letter to SEAC for review/comments.”

**RESOLUTION AGAINST AGENDA NO-15**

As per the direction of SEIAA, the matter was listed in 531<sup>st</sup> SEAC meeting dated 10/03/2021. The committee went through the file and documents and noted that there is discrepancy between the information regarding geo-coordinates in form-1, approved mine plan and affidavit dated 24/08/2018 submitted by PP/consultant and the information provided in factual report provided by Mining Officer, Hamirpur on dated 14/12/2020. In view of this, the Mining Officer, Hamirpur is requested to clarify that which set of geo-coordinates is correct and also furnish the following information within a week after the receipt of the letter from SEIAA to consider the application for EIA appraisal:

1. Total lease area for consideration.
2. Total verified workable and submerged area marked on lease map in ammonia print along with verified Geo-coordinates by DMO.
3. Revised form-1 as per the latest position of the area and geo-coordinates.

**16. Discussion on Intimation on Baseline Monitoring Period and acceptance of "Expansion of SGPGI, Raibareilly Road, District- Lucknow, U.P. File No. 5196/Proposal No. SIA/UP/NCP/46595/2019**

The project proponent vide letter dated 05/03/2021 informed that the terms of reference for the "Expansion of SGPGI, Raibareilly Road, District- Lucknow, U.P. has recommended by SEAC in its 508<sup>th</sup> SEAC meeting dated 03/12/2020 and they have started the collection of baseline environmental monitoring data for the above project as per standard TOR covering winter season from December, 2019 to February, 2020. The project proponent requested to accept the baseline monitoring data generated during winter season from December, 2019 to February, 2020 for the preparation of EIA report.

**RESOLUTION AGAINST AGENDA NO-16**

The committee discussed the matter and agreed with request made by the project proponent to use the baseline monitoring data generated during winter season from December, 2019 to February, 2020 for the preparation of EIA report. The committee also directed the project proponent to produce the intimation letter from RO, UPPCB, Lucknow and DM, Lucknow the collection of baseline monitoring data at the time of EIA presentation.

**17. Discussion on Shri Arvind Kumar Rai, Advocate E-mail dated 10/02/2021**

The committee went through the Shri Arvind Kumar Rai, Advocate e-mail dated 10/02/2021 and observed that the points raised by Shri Arvind Kumar Rai has already been discussed by the committee in its 523<sup>rd</sup> SEAC meeting dated 09/02/2021. The operative para of the minutes as follows:

“The proper norms for the monitoring have not been followed. A clarification from project proponent and RO, Pollution Control Board, Jhansi is required regarding the commencement of public hearing meeting/monitoring of baseline data on the basis of above facts.”

Hence, no action is required at SEAC level.

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

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

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

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

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

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

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

**Annexure-1**

**Terms of Reference for the Mining Project**

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

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

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should

- be given.
- 23) Air quality modeling should be carried out for 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.
  - 24) 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.
  - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
  - 26) Description of water conservation measures proposed to be adopted in the Project should be given.
  - 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
  - 28) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
  - 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
  - 30) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and 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.
  - 31) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
  - 32) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
  - 33) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed 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.
  - 34) 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.
  - 35) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
  - 36) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
  - 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures 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.
  - 38) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary

allocations.

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

**Annexure-2**

**General and Specific Conditions for 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. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05ha, the E.C issued will stand revoked.
4. 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.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
6. Explosive cannot be stored on the site.



7. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation 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.
10. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
11. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including 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.
13. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoEF&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.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The roads shall be black topped.
17. Rain water harvesting shall be undertaken to recharge the ground water source.
18. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with 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.
21. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs, if any flowing through the ML area and silts arrested. De- silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and 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.

23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure 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.
27. 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.
28. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including 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.
29. 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.
30. 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.
31. 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.

32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board on six monthly basis.
33. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
34. 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.
35. 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.
36. 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.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the 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.
38. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
44. The blasting will be done only after getting the permission from the Mining Department.