

### **Minutes of 349<sup>th</sup> SEAC Meeting Dated 17/07/2018**

The 349<sup>th</sup> meeting of SEAC was held in Directorate of Environment, U.P. on 17/07/2018 following members were present in the SEAC:

- |    |                           |                  |
|----|---------------------------|------------------|
| 1. | Dr. Sarita Sinha,         | Vice-Chairperson |
| 2. | Dr. Arvind Mathur,        | Member           |
| 3. | Dr. Virendra Mishra,      | Member           |
| 4. | Dr. Richhpal Singh Sangu, | Member           |
| 5. | Dr. Ranjeet Kumar Dalela, | Member           |
| 6. | Dr. Ajoy Kumar Mandal,    | Member           |
| 7. | Shri Meraj Uddin,         | Members          |
| 8. | Shri Rajive Kumar,        | Member           |

The Vice-Chairperson welcomed the members to the 349<sup>th</sup> SEAC meeting.

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

- 1. Proposed Sand/Morrum Mining" Project at Gata No.-17/1, Village- Sehjana, Tehsil & District-Hamirpur, U.P., (Leased Area:12.145 Ha) Shri CEO Uttar Pradesh Expressways Industrial Development Authority(UPEIDA), File No. 4278/Proposal No. (SIA/UP/ MIN /73955/2018)**

The committee noted that the matter was earlier discussed in SEAC meeting dated 29/05/2018 wherein the project proponent was directed to submit following information:

- Form-1 and mining plan appears to be flawed and needs to be revised and resubmitted.

The project proponent submitted their replies through letter dated 25/06/2018. A presentation was made by the project proponent along with their consultant M/s Epsilon Projects Private Limited. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- The environmental clearance is sought for Proposed Sand/Morrum Mining" Project at Gata No.-17/1, Village- Sehjana, Tehsil & District- Hamirpur, U.P., (Leased Area:12.145 Ha), M/s UPEIDA.
- Salient features of the project as submitted by the project proponent:

1.	Online Proposal No.	SIA/UP/MIN/73955/2018
2.	File No. allotted by SEIAA, UP	4278
3.	Name of Proponent	Uttar Pradesh Expressway Industrial development Authority
4.	Full correspondence address of proponent and Phone no.	C-13, 2 <sup>nd</sup> Floor, Paryatan Bhavan, Vipin Khand, Gomti Nagar Lucknow-226010; 0522-2307542
5.	Name of Project	Sand/Moram Mining Project
6.	Project location (Plot/Khasra/Gata No.)	Gata No.17/1

7.	Name of River	Betwa		
8.	Name of Village	Sehjana		
9.	Tehsil	Hamirpur		
10.	District	Hamirpur		
11.	Name of Minor Mineral	Sand/Moram		
12.	Sanctioned Lease Area (in Ha.)	12.145 Ha.		
13.	Mineable Area (in Ha.)	9.716Ha.		
14.	Zero level mRL	92.50 mRL		
15.	Max. & Min mrl within lease area	101.40 mRL – 95.50 mRL		
16.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25°56’’40.13"N	81°06’’15.01"E
		B	25°56’’25.54"N	81°06’’26.95"E
		C	25°56’’20.92"N	81°06’’21.29"E
		D	25°56’’37.74"N	81°06’’08.90"E
17.	Total Geological Reserves	3,64,350 m <sup>3</sup>		
18.	Total Mineable Reserves in LOI	1,45,740 m <sup>3</sup> /year		
19.	Total Proposed Production (in five year)	Na		
20.	Proposed Production/year	1,45,740 m <sup>3</sup>		
21.	Sanctioned Period of Mine lease	1 years		
22.	Production of mine/day	647.33 (say 648) m <sup>3</sup> /day		
23.	Method of Mining	Manual/ Semi-mechanized		
24.	No. of working days	225 days		
25.	Working hours/day	8 hours		
26.	No. Of workers	Approximately 20-25 labours		
27.	No. Of vehicles movement/day	54 capacity a per RTO norms		
28.	Type of Land	Government land		
29.	Ultimate Depth of Mining	1.5m		
30.	Water Requirement	1.80 km		
31.	Nearest metalled road from site	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.75
		Suppression of dust &Others (if any)		8.50
		Plantation		2.50
		Total		11.75
32	Name of QCI Accredited Consultant with QCI No and period of validity	Stay Order		
33	Any litigation pending against the project or land in any court	None		
34	Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No.253                      dated.1/05/2018		
35.	Details of Lease Area in approved DSR	Page No.65                      Table No.22		
36.	Proposed CER cost	2% of total project cost i.e. Rs. 6, 072/-		
37.	Proposed EMP cost	60,000		
38.	Length and breadth of Haul Road	1.80 km Length, 7 m Width		
39.	No. of Trees to be Planted	1200		

- 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 grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure 1 & 2 to these minutes regarding mining project.

**2. Proposed Riverbed Sand Mining of Kuda River, at Gata No.: 117dh, 1306mi, Lease Area 7.89 Ha. (Mineable Area- 4.84 Ha.) in Village-Gujarauliya, Beltikar, Tehsil-Naugarh, District-Siddharthnagar, U.P., M/s Baburam Construction File No. 4308/Proposal No. (SIA/UP/ MIN /75003/2018)**

The committee noted that the matter was earlier discussed in SEAC meeting dated 07/06/2018 wherein the project proponent was directed to submit following information:

- 1- Geo coordinate of submerged, workable & total area to be provided.
- 2- Copy of approved mining plan.
- 3- The amount sanctioned as per LOI (142000) is more than 60% of total geological reserve (168000) as reported in presentation.
- 4- Form-2 & summery sheet to be submitted.
- 5- Zero level to be provided.

The project proponent submitted their replies through letter dated 04/07/2018. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for Proposed River Bed Sand Mining of Kuda River at Gata No.: 117 dha, 1306 mi, Village-Gujarauliya, Beltikar, Tehsil- Naugarh, District-Siddharthnagar, U.P., (Leased Area 7.89 Ha), M/s Baburam Construction.
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/75003/2018
2. File No. allotted by SEIAA, UP	4308
3. Name of Proponent	<b>M/s Baburam Construction.</b> Sh. Srichandra Chaudhary S/o Sh. Matibar Chaudhary
4. Full correspondence address of proponent and mobile no.	1769 B-5 Gayatri Mandir Kisan Compound Pikaura, Shiv Gulam Gandhi Nagar, Basti (U.P)
5. Name of Project	Sand/Morrum Mining Project
6. Project location (Plot/Khasra/Gata No.)	Gata No. 117ध, 1306मि
7. Name of River	River Kuda
8. Name of Village	Gujarauliya, Beltikar
9. Tehsil	Naugarh,
10. District	Siddharthnagar

11. Name of Minor Mineral	Sand/Morrum																																																								
12. Sanctioned Lease Area (in Ha.)	7.89 Ha																																																								
13. Mineable Area (in Ha.)	4.84 Ha																																																								
14. Zero level mRL	84.0 mRL																																																								
15. Max. & Min mrl within lease area	Maximum mRL 89.70 Minimum mrl 85.90																																																								
16. Pillar Coordinates (Verified by DMO)	<table><tr><th colspan="3">BLOCK NO.-1 (Gata No. 1306मि )</th></tr><tr><th>Pillar Name</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>27° 19.592'N</td><td>83° 10.936'E</td></tr><tr><td>B</td><td>27° 19.601'N</td><td>83° 10.893'E</td></tr><tr><td>C</td><td>27° 19.4 2'N</td><td>83° 10.870'E</td></tr><tr><td>D</td><td>27° 19.380'N</td><td>83° 10.958'E</td></tr><tr><td>E</td><td>27° 19.368'N</td><td>83° 11.134'E</td></tr><tr><td>F</td><td>27° 19.424'N</td><td>83° 11.159'E</td></tr><tr><td>G</td><td>27° 19.417'N</td><td>83° 11.018'E</td></tr><tr><td>H</td><td>27° 19.438'N</td><td>83° 10.928'E</td></tr><tr><th colspan="3">BLOCK NO.-2 (Gata No 117ए)</th></tr><tr><th>Pillar Name</th><th>Latitude</th><th>Longitude</th></tr><tr><td>L</td><td>27° 19.606'N</td><td>83° 10.8 4'E</td></tr><tr><td>M</td><td>2 ° 19.601'N</td><td>83° 10.923'E</td></tr><tr><td>N</td><td>27° 19.705'N</td><td>83° 10.979'E</td></tr><tr><td>O</td><td>27° 19.718'N</td><td>83° 10.927'E</td></tr><tr><td>P</td><td>27° 19.658'N</td><td>83° 10.901'E</td></tr><tr><td>Q</td><td>27° 19.660'N</td><td>83° 10.894'E</td></tr></table>			BLOCK NO.-1 (Gata No. 1306मि )			Pillar Name	Latitude	Longitude	A	27° 19.592'N	83° 10.936'E	B	27° 19.601'N	83° 10.893'E	C	27° 19.4 2'N	83° 10.870'E	D	27° 19.380'N	83° 10.958'E	E	27° 19.368'N	83° 11.134'E	F	27° 19.424'N	83° 11.159'E	G	27° 19.417'N	83° 11.018'E	H	27° 19.438'N	83° 10.928'E	BLOCK NO.-2 (Gata No 117ए)			Pillar Name	Latitude	Longitude	L	27° 19.606'N	83° 10.8 4'E	M	2 ° 19.601'N	83° 10.923'E	N	27° 19.705'N	83° 10.979'E	O	27° 19.718'N	83° 10.927'E	P	27° 19.658'N	83° 10.901'E	Q	27° 19.660'N	83° 10.894'E
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17. Total Geological Reserves	2,37,424 m <sup>3</sup>																																																								
18. Total Mineable Reserves in LOI	1,42,000 m <sup>3</sup> Per year																																																								
19. Total Proposed Production (in five year)	2,42,000 m <sup>3</sup>																																																								
20. Proposed Production/year	48,400 m <sup>3</sup>																																																								
21. Sanctioned Period of Mine lease	5 Year																																																								
22. Production of mine/day	193.6 m <sup>3</sup>																																																								
23. Method of Mining	Open cast, Manual, semi-Mechanized																																																								
24. No. of working days	250																																																								
25. Working hours/day	8 hours/day																																																								
26. No. Of workers	53																																																								
27. No. Of vehicles movement/day	20-25 Vehicles movement/day																																																								
28. Type of Land	Sand/ Morrum																																																								
29. Ultimate Depth of Mining	1.0 m																																																								
30. Nearest metalled road from site	SH-5 at 8.65km towards West direction.																																																								
31. Water Requirement	<table><tr><th>PURPOSE</th><th>REQUIREMENT (KLD)</th></tr><tr><td>Drinking</td><td>0.63 KLD</td></tr><tr><td>Suppression of dust</td><td>5.50 KLD</td></tr><tr><td>Plantation</td><td>0.80KLD</td></tr><tr><td>Others (if any)</td><td></td></tr><tr><td>Total</td><td>6.93 KLD</td></tr></table>			PURPOSE	REQUIREMENT (KLD)	Drinking	0.63 KLD	Suppression of dust	5.50 KLD	Plantation	0.80KLD	Others (if any)		Total	6.93 KLD																																										
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Total	6.93 KLD																																																								
32. Name of QCI Accredited Consultant with QCI No and period of validity.	Environmental Research and Analysis, Lucknow(U.P) Certificate No. NABET/EIA/1619/IA0019 and valid up to December 29,2019																																																								
33. Any litigation pending against the project or land in any court	NO																																																								
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 188 Khanij-30, Banda dated 04/05/2018																																																								
35. Details of Lease Area in approved DSR	Page No. 11 Table No.03																																																								

36. Proposed CSR cost	1505240 (5% of the total Project cost)
37. Proposed EMP cost/ Total Project cost	30104800
38. Length and breadth of Haul Road	800 m length and 8 m width
39. No. of Trees to be Planted	48

- 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 directed the project proponent to submit following information:

- 1- Geo coordinate of submerged, workable & total area verified by DMO is to be provided.

The matter shall be discussed only after submission of information as above on online prescribed portal.

**3. Proposed River bed Sand/Morrum (Minor Mineral) Mining Project for Ken River at Gata No.-1141 Part (12.796 ha), 1137, 1136, 1123/2, 1125, 1127, 1131, 1132, Production (7,40, 000 cum), M.L. Area-37.0 ha, Village- Bhurendi, Tehsil- Banda, District- Banda, U.P., M/s Katayani Natural Resources Ltd., Sanctioned Lease Area: 37.0 Ha, File No. 4208/Proposal No. (SIA/UP/ MIN /23916/2018)**

**Resolution against agenda no-03**

A presentation was made by the project proponent along with their consultant M/s Overseas Min-Tech Consultants. The committee discussed the matter and directed the project proponent to submit following information:

- 1- Leased map and Geo-coordinates verified by DMO should be submitted.
- 2- Mismatch in area (khasra no.) mentioned in DSR and Form-1 should be clarified.
- 3- The minimum distance from the bridge verified by DMO should be submitted.
- 4- Corrigendum letter of LOI should be issued by the District Magistrate.
- 5- Photographs with time, date and Geo-coordinates should be submitted.
- 6- Cluster certificate should be submitted in prescribed format.

The matter shall be discussed only after submission of information as above on online prescribed portal.

4. **Proposed River bed Sand/Morrum (Minor Mineral) Mining Project for Ken River at Gata No.-195/1, Production (6,60, 000 cum), Lessed Area-33.0 ha, Village-Lahuterar, Tehsil-Narani, District- Banda, U.P., M/s Katayani Natural Resources Ltd., Sanctioned Lease Area: 33.0 Ha, File No. 4209/Proposal No. (SIA/UP/ MIN /23991/2018)**

**Resolution against agenda no-04**

A presentation was made by the project proponent along with their consultant M/s Overseas Min-Tech Consultants. The committee discussed the matter and directed the project proponent to submit following information:

- 1- Leased map and Geo-coordinates verified by DMO should be submitted.
- 2- Mismatch in area (khasra no.) mentioned in DSR and Form-1 should be clarified.
- 3- The minimum distance from the bridge verified by DMO should be submitted.
- 4- Corrigendum letter of LOI should be issued by the District Magistrate.
- 5- Photographs with time, date and Geo-coordinates should be submitted.
- 6- Cluster certificate should be submitted in prescribed format.

The matter shall be discussed only after submission of information as above on online prescribed portal.

5. **Proposed River bed Sand Mining from Bagen River at Zone No./Gata No/ Khand No.- 1749 Kha, 1766, 2421 (Block No.- 35), Village- Tera (B), Tehsil- Atarra, District- Banda, Area: 9.34 Ha, M/s Tripathi Construction., File No. 4370/Proposal No. (SIA/UP/ MIN /75587/2018)**

**Resolution against agenda no-05**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The committee discussed the matter and directed the project proponent to submit following information:

- 1- Continuous lease map, Geo coordinate of submerged, workable & total area verified by DMO should be submitted.
- 2- Approved Mining Plan with methodology should be provided.
- 3- CER details with allocation of funds should be provided.

The matter shall be discussed only after submission of information as above on online prescribed portal.

6. **Proposed Riverbed Sand/Morrum Mining Project from Ken River for M/s ShriVipulTyagi located at Gata No.- 851, 866, 867, 869, 872, & 876, Village- Jarar, Tehsil- Naraini, District-Banda., M/s ShriVipulTyagi., Area-8.0 Ha, File No. 4372/Proposal No. (SIA/UP/ MIN /75593/2018)**

**Resolution against agenda no-06**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow. The committee discussed the matter and directed the project proponent to submit following information:

- 1- Continuous lease map and Geo-coordinates verified by DMO should be submitted.
- 2- Mismatch in area (khasra no.) mentioned in DSR and Form-1 should be clarified.
- 3- Mining methodology is to be revised.

The matter shall be discussed only after submission of information as above on online prescribed portal.

7. **Proposed River bed Sand/Morrum Mining at Yamuna River at Khand No.- A-10, Gata No- 302,301, 296, 297, 286 mi,271mi,287, 270mi, 269mi,260mi, 259, 58mi, 255,254,253,291,252,251,292,290,289,288,287,294 & 293 at Village-Adhawal, Tehsil & District-Fatepur.,M/s Bansidhar Construction Pvt. Ltd. Area-40.48, Ha, File No. 4357/Proposal No. (SIA/UP/ MIN /27815/2018)**

**Resolution against agenda no-07**

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- Leased map and Geo-coordinates verified by DMO should be submitted.
- 2- Corrigendum letter of LOI should be issued by the District Magistrate.
- 3- Photographs with time, date and Geo-coordinates should be submitted.
- 4- Cluster certificate should be submitted in prescribed format.

The matter shall be discussed only after submission of information as above on online prescribed portal.

8. **Proposed River bed Sand/Morrum Mining Project from Yamuna River for M/s Vikas Enterprise located at Khand No.-31/5, Village-Patyaura, Tehsil & District-Hamirpur, U.P., , area-36.437 Hac. File No. 4358/Proposal No. (SIA/UP/ MIN /27821/2018)**

A presentation was made by the project proponent along with their consultant M/s ENV DAS (I) Pvt. Ltd., Lucknow. The proponent, through the documents submitted and the presentation made, informed the committee that :-

- 1- The environmental clearance is sought for River bed Sand/Morrum Mining Project from Yamuna River at Khand No.-31/5, Village-Patyaura, Tehsil & District-Hamirpur, U.P., (Leased Area –36.437 Ha).
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/27821/2018																																																		
2. File No. allotted by SEIAA, UP	4358																																																		
3. Name of Proponent	M/s Vikas Enterprises ShriVikasSachan S/o Shri Ashok Kumar																																																		
4. Full correspondence address of proponent and mobile no.	M/s Vikas Enterprises ShriVikasSachan S/o Shri Ashok Kumar R/o Village - KalaulitirDanda, Tehsil - Hamirpur, District - Hamirpur, Uttar Pradesh 210301																																																		
5. Name of Project	Sand/Morrum Mining																																																		
6. Project location (Plot/Khasra/Gata No.)	Khand No. 31/5																																																		
7. Name of River	Yamuna River																																																		
8. Name of Village	Patyaura																																																		
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15. Max. & Min mrl within lease area	94 mRL and 99 mRL																																																		
16. Pillar Coordinates (Verified by DMO)	<table><tr><th colspan="3">Sanctioned Area</th></tr><tr><th>Points</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>25°55'28.61"N</td><td>80°15'45.21"E</td></tr><tr><td>B</td><td>25°55'54.02"N</td><td>80°16'4.92"E</td></tr><tr><td>C</td><td>25°55'45.21"N</td><td>80°16'15.64"E</td></tr><tr><td>D</td><td>25°55'22.20"N</td><td>80°15'57.36"E</td></tr><tr><th colspan="3">Workable Area</th></tr><tr><td>A</td><td>25°55'28.61"N</td><td>80°15'45.21"E</td></tr><tr><td>E</td><td>25°55'51.92"N</td><td>80°16'3.28"E</td></tr><tr><td>F</td><td>25°55'43.72"N</td><td>80°16'14.52"E</td></tr><tr><td>D</td><td>25°55'22.20"N</td><td>80°15'57.36"E</td></tr><tr><th colspan="3">Non Workable Area</th></tr><tr><td>B</td><td>25°55'54.02"N</td><td>80°16'4.92"E</td></tr><tr><td>C</td><td>25°55'45.21"N</td><td>80°16'15.64"E</td></tr><tr><td>F</td><td>25°55'43.72"N</td><td>80°16'14.52"E</td></tr><tr><td>E</td><td>25°55'51.92"N</td><td>80°16'3.28"E</td></tr></table>			Sanctioned Area			Points	Latitude	Longitude	A	25°55'28.61"N	80°15'45.21"E	B	25°55'54.02"N	80°16'4.92"E	C	25°55'45.21"N	80°16'15.64"E	D	25°55'22.20"N	80°15'57.36"E	Workable Area			A	25°55'28.61"N	80°15'45.21"E	E	25°55'51.92"N	80°16'3.28"E	F	25°55'43.72"N	80°16'14.52"E	D	25°55'22.20"N	80°15'57.36"E	Non Workable Area			B	25°55'54.02"N	80°16'4.92"E	C	25°55'45.21"N	80°16'15.64"E	F	25°55'43.72"N	80°16'14.52"E	E	25°55'51.92"N	80°16'3.28"E
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F	25°55'43.72"N	80°16'14.52"E																																																	
D	25°55'22.20"N	80°15'57.36"E																																																	
Non Workable Area																																																			
B	25°55'54.02"N	80°16'4.92"E																																																	
C	25°55'45.21"N	80°16'15.64"E																																																	
F	25°55'43.72"N	80°16'14.52"E																																																	
E	25°55'51.92"N	80°16'3.28"E																																																	
17. Total Geological Reserves	18,21,850m <sup>3</sup>																																																		
18. Total Mineable Reserves in LOI	7,28,640 m <sup>3</sup> /year																																																		
19. Total Proposed Production	7,28,640 m <sup>3</sup> /year (36,43,200 m <sup>3</sup> in 05 years)																																																		
20. Proposed Production/year	7,28,640 m <sup>3</sup>																																																		
21. Sanctioned Period of Mine lease	5 years																																																		
22. Production of mine/day	2649.6 m <sup>3</sup> /day																																																		
23. Method of Mining	Manual/Semi mechanized																																																		
24. No. of working days	275 days																																																		
25. Working hours/day	12 hours																																																		
26. No. Of workers	Approximately 52 labours																																																		
27. No. Of vehicles movement/day	294units																																																		
28. Type of Land	Non – Agricultural, Government Waste Land (Revenue land)																																																		
29. Ultimate Depth of Mining	3 m																																																		
30. Nearest metalled road from site	NH 86(Kanpur –Dewas) : 12.0 km*(N)																																																		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)																																																
	Drinking		0.52																																																
	Suppression of dust		12.0																																																
	Plantation		0.09																																																
	Others (if any)		-																																																



	<b>Total</b>	<b>12.61 KLD</b>
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1720/RA 0078 and Valid till 02/04/2020.	
33. Any litigation pending against the project or land in any court	None	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Hamirpur Letter No.449/khanij-M-M-C- Tees- Vividh (2018-19) dated 11/07/2018	
35. Details of Lease Area in approved DSR	Page No 61; Table No.20	
36. Proposed CSR cost	5% of total project cost i.e. Rs.7,17,997/-	
37. Proposed EMP cost/ Total Project Cost	Rs 35,97,690/- & 1,43,59,940/-	
38. Length and Width of Haul Road	800 m Length and 6 m width	
39. No. of Trees to be Planted	182	

- 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-08**

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-3 to these minutes. The committee also stipulated following additional conditions:

- 1- Regional combined area of homogeneous leases in cluster situation should be verified by DMO.
- 2- Submit photo affidavit and salient features.
- 3- Plan for haul road should be submitted.
- 4- Hazardous waste should be properly disposed through approved vendor.
- 5- Revised cluster certificate as per prescribed format should be submitted.

#### **9. Proposed River bed Sand/Morrum(Minor Mineral) Mining Project from Ken River at Gata No.-195/1, Production(6,60,000 cum) M.L. Area- 33.0 Village-Lahuterar, Tehsil-Narani, District-Banda, U.P., M/s Katayani Natural Resources Ltd. M.L. Area- 33.0 hac. File No. 4359/Proposal No. (SIA/UP/ MIN /27844/2018)**

#### **Resolution against agenda no-09**

The project proponent requested to withdraw the application due to duplicate file. The committee directed to close the file.

**10. Proposed River bed Sand/Morrum(Minor Mineral) Mining Project from Ken River Bed at Gata No.-1141 Part (12.796), 1137, 1136, 1123/2, 1125, 1127, 1131, 1132, Production(6,60,000 cum) M.L. Area- 37.0 ha. atVillage-Bhurendi, Tehsil-Sadar District-Banda., M/s Katayani Natural Resources Ltd. M.L. Area- 37.0 ha, File No. 4360/Proposal No. (SIA/UP/ MIN /27848/2018)**

**Resolution against agenda no-10**

The project proponent requested to withdraw the application due to duplicate file. The committee directed to close the file.

**11. Proposed River bed Sand/Morrum Mine Project from Betwa River at Khand No.26/08, Village-ChandwariGhurouli, Tehsil- Sarila, District-Hamirpur, U.P. M/s KuberKamna Marbles Pvt. Ltd. Area 36.437 Ha File No. 4365/Proposal No. (SIA/UP/ MIN /27872/2018)**

A presentation was made by the project proponent along with their consultant M/s Greencindia Consulting Private Limited. The proponent, through the documents submitted and the presentation made, informed the committee that :-

- 1- The environmental clearance is sought for Proposed River bed Sand/Morrum Mine Project from Betwa River at Khand No.26/08, Village-ChandwariGhurouli, Tehsil- Sarila, District-Hamirpur, U.P. M/s KuberKamna Marbles Pvt. Ltd. (Leased Area – 36.437 Ha).
- 2- Salient features of the project as submitted by the project proponent:

On-line proposal No.	SIA/UP/MIN/27872/2018		
File No. allotted by SEIAA, UP	4365		
Name of Proponent	<b>M/S KUBER KAMNA MARBELS PVT. LTD.</b> Authorised Signatory: Rajeev Mishra		
Full correspondence address of proponent and mobile no.	312 Ganpati Plaza, M.I Road Jaipur, Rajasthan.		
Name of Project	ChandwariGhurouli (Khand No. 26/8) sand/morrum mine on Betwa river		
Project location (Plot/Khasra/Gata No.)	Village – ChandwariGhurouli, Tehsil- Sarila, District-Hamirpur of Uttar Pradesh		
Name of River	Betwa River		
Name of Village	ChandwariGhurouli		
Tehsil	Sarila		
District	Hamirpur		
Name of Minor Mineral	Sand/Morrum		
Sanctioned Lease Area (in Ha.)	36.437 Hectares		
Mineable Area (in Ha.)	29.50 Hectares		
Zero level mRL	110 m		
Max. & Min mrl within lease area	110-116 mrl		
Pillar Coordinates (Verified by DMO)	<b>Point</b>	<b>Latitude</b>	<b>Longitude</b>
	A	25°48'05.58"N	79°23'53.62"E
	B	25°48'09.56"N	79°23'50.71"E
	C	25°48'15.25"N	79°23'52.14"E
	D	25°48'26.34"N	79°23'59.46"E
	E	25°48'32.56"N	79°24'22.56"E

	F	25°48'19.31"N	79°24'22.38"E
	G	25°48'16.51"N	79°24'08.44"E
Total Geological Reserves	14,75,000m <sup>3</sup>		
Total Mineable Reserves in LOI	7,28,640m <sup>3</sup>		
Total Proposed Production	36,43,200m <sup>3</sup>		
Proposed Production/year	7,28,640m <sup>3</sup> /Year		
Sanctioned Period of Mine lease	5 Years		
Production of mine/day	2915 m <sup>3</sup> /Day		
Method of Mining	Opencast Semi-mechanized mining		
No. of working days	250 days/ Year		
Working hours/day	12 Hours		
No. Of workers	180		
No. Of vehicles movement/day	324		
Type of Land	Govt. Land		
Ultimate Depth of Mining	2.84 m		
Nearest metalled road from site	800 m		
Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		1.80
	Suppression of dust		3.84
	Plantation		9.70
	Others (if any)		0.00
	Total		15.34
Name of QCI Accredited Consultant with QCI No and period of validity.	GreencIndia Consulting Pvt. Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2019		
Any litigation pending against the project or land in any court	No		
Details of 500 m Cluster Map & certificate verified by Mining Officer	287/ MMC-30-Vividh (2018-19), Hamirpur, Dated: 08 <sup>th</sup> May, 2018		
Details of Lease Area in approved DSR	36.437 Hectares		
Length and breadth of Haul Road	Length 800 m, Width 6.0 m		

- 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- A temporary bridge will be constructed and used without hindering the river channel.
- 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-11**

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-3 to these minutes. The committee opined that any temporary bridge (if required) may be constructed with the prior permission of competent authority.

**12. Sand Mining Project from Betwa River of Shri Raj Kumar Gupta (Area: 30769 ha) Khand No.-9/1, Near Village-Kandour, Tehsil & District- Hamirpur, U.P.. Area 30.769 Hac. File No. 4366/Proposal No. (SIA/UP/ MIN /27871/2018)**

A presentation was made by the project proponent along with their consultant M/s Greencindia Consulting Private Limited. The proponent, through the documents submitted and the presentation made, informed the committee that :-

1- The environmental clearance is sought for Sand Mining Project from Betwa River. Khand No.-9/1, near Village-Kandour, Tehsil & District- Hamirpur, U.P., (Leased Area – 30.769 Ha).

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

1. On-line proposal No.	SIA/UP/MIN/27871/2018		
2. File No. allotted by SEIAA, UP	4366		
3. Name of Proponent	<b>SRI RAJKUMAR GUPTA</b>		
4. Full correspondence address of proponent and mobile no.	S/o- Shri S.K. Gupta R/o-Kuncha Paremeshwaridas, Mistarganj, Tehsil- Sadar District- Rampur		
5. Name of Project	KANDOUR (KHAND 9/1) SAND/MORRUM MINE ON BETWA RIVER		
6. Project location (Plot/Khasra/Gata No.)	Village - Kandour, Tehsil - Hamirpur, District - Hamirpur, State – Uttar Pradesh.		
7. Name of River	Betwa River		
8. Name of Village	Kandour		
9. Tehsil	Hamirpur		
10. District	Hamirpur		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	30.769 Hectares		
13. Mineable Area (in Ha.)	18.700 Ha.		
14. Zero level mRL	93 m		
15. Max. & Min mrl within lease area	113-116 m.		
16. Pillar Coordinates (Verified by DMO)	<b>Point</b>	<b>Latitude</b>	<b>Longitude</b>
	<b>A</b>	<b>25°52'39.05"N</b>	<b>79°59'26.33"E</b>
	<b>B</b>	<b>25°52'56.01"N</b>	<b>79°59'34.04"E</b>
	<b>C</b>	<b>25°53'08.91"N</b>	<b>79°59'20.72"E</b>
	<b>D</b>	<b>25°52'57.93"N</b>	<b>79°59'10.03"E</b>
17. Total Geological Reserves	9,35,000 m <sup>3</sup>		
18. Total Mineable Reserves in LOI	4,92,236 m <sup>3</sup>		
19. Total Proposed Production	24,61,180 m <sup>3</sup> (for 5 years)		
20. Proposed Production/year	4,92,236 m <sup>3</sup> /Year		
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	1969 m <sup>3</sup> /Day		
23. Method of Mining	Opencast Semi-mechanized mining		
24. No. of working days	250 days/ Year		
25. Working hours/day	12 Hours		
26. No. Of workers	120		
27. No. Of vehicles movement/day	220		
28. Type of Land	Govt. Land		
29. Ultimate Depth of Mining	3 m		
30. Nearest metalled road from site	3150 m		
31. Water Requirement	<b>PURPOSE</b>	<b>REQUIREMENT (KLD)</b>	
	Drinking	1.20	

	Suppression of dust	15.12
	Plantation	14.22
	Others (if any)	0.00
	<b>Total</b>	<b>30.54</b>
32. Name of QCI Accredited Consultant with QCI No and period of validity.	GreenIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2019	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	298/ Khanij-30-bibidh (2018-2019), Hamirpur, Dated: 9 <sup>th</sup> March, 2018.	
35. Details of Lease Area in approved DSR	30.769 Hectares	
36. Length and breadth of Haul Road	Length 3150 m, Width 6.0 m	

- 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- A temporary bridge will be constructed and used without hindering the river channel.
- 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-12**

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-3 to these minutes. The committee opined that any temporary bridge (if required) may be constructed with the prior permission of competent authority.

### **13. Sand Mining Project at Ganga River Bed at Gata no- 01, Khnad- 02, over an Area of 11.424 Ha Situated in Village- UnchgaonKhadar, Tehsil-Dibai, District- Bulandshahar, U.P., Mohammad Ali S/o Late Faqueer Mohammad, Lease area -11.424, File No. 4181/Proposal No. (SIA/UP/ MIN/23043/2018)**

### **Resolution against agenda no-13**

The committee noted that the above case was considered in 330<sup>th</sup> SEAC meeting dated 06/04/2018 wherein the committee discussed the matter in light of MoEFCC notification dated 15/01/2016 and recommended to issue terms of reference (TOR) for the preparation of EIA as annexed as the very annexure-1 to the minutes of 330<sup>th</sup> SEAC meeting dated 06/4/2018. The committee considered the project proponent letter dated 16/07/2018 wherein he has mentioned that the project details in the SEAC minutes of the meeting dated 06/04/2018 with file no. 4181 at agenda no. 15 bears misprinting.

The SEAC observed that err has been occurred due to typographical error. The committee directed to rectify the error as under:

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

1.	On Line Proposal No.	SIA/UP/MIN/ 23043/2018
2.	File No. Allotted By SEIAA, UP	4181

3.	Name Of Proponent	Mr. Mohammad Ali			
4.	Full Correspondence Address Of Proponent And Mobile Number	R/o Mohammadabad Bizoura Amroha, U.P. Mobile-			
5.	Name Of Project	Sand mining			
6.	Project Location (Plot/Khasra/Gata No.)	Gata- 01 ; Khand - 02			
7.	Name Of River	Ganga			
8.	Name Of Village	UnchgaonKhadar			
9.	Tehsil	Dibai			
10.	District	Bulandshahar			
11.	Name Of Minor Mineral	Sand			
12.	Sanctioned Lease Area In Ha	11.424			
13.	Mineable Area In Ha	10.2816			
14.	Zero Level Mrl	171			
15.	Max. & Min MRL Within Lease Area	Max- 177 ; Min- 172 mrl			
16.	Pillar Coordinates (Verified By DMO)		E	28° 6'55.17"N	78°28'12.73"E
			F	28° 6'45.58"N	78°28'25.71"E
			G	28° 6'41.00"N	78°28'23.72"E
			H	28° 6'49.12"N	78°28'9.61"E
17.	Total Geological Reserve	342720.0 cubic meter			
18.	Total Mineable Reserve In LOI	114240.0 cubic meter			
19.	Total Proposed Production in 05 years	571200.0 cubic meter			
20.	Proposed Production/year	114240.0 cubic meter			
21.	Sanctioned Period Of Mine Lease	05 years			
22.	Production Of Mine/Day	423.0 cubic meter			
23.	Method Of Mining	Mannual& Semi mechanized			
24.	No. Of Working Days	270			
25.	Working Hours/Day	08 hrs max Day Time			
26.	No. Of Workers	65			
27.	No. Of Vehicles Movement/Day	20 trucks twice a day			
28.	Type Of Land	Govt. /non forest			
29.	Ultimate Depth Of Mining	1.1			
30.	Nearest Metalled Road From Site	Kanpur Road – 6.7 Km, E			
31.	Water Requirement	PURPOSE		REQUIREMENT (KLD)	
		Drinking		2.6	
		Dust suppression		10.0	
		Plantation		1.5	
		Others ,if any		-	
		Total		14.1	
32.	Name Of The QCI Accredited Consultant With QCI No. And Period Of Validity	GEOGREEN ENVIRO HOUSE PVT LTD NABET/EIA/1720/IA0023 Valid till April’2020			
33.	Any Litigation Pending Against The Project Or Land In Any Court.	No			
34.	Details Of 500m Cluster Map & Certificate Verified By Mining Officer	Letter No 141 dated 14/03/2018			
35.	Details Of Lease Area In Approved DSR	Page No..... table No.....			
36.	Proposed CSR Cost	Rs. 4.06 lakhs			
37.	Propose EMP Cost	Rs. 9.36 lakhs			
38.	Length And Breadth Of Haul Road	500.0 m x 6.0 m			
39.	No. of trees to be planted	70			

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-3 to these minutes.

**(Dr. Arvind Mathur)**  
Member

**(Dr. Virendra Mishra)**  
Member

**(Dr. Richpal Singh Sangu)**  
Member

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

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

**(Shri Meraj Uddin)**  
Member

**(Shri Rajive Kumar)**  
Member

**(Dr. Sarita Sinha)**  
Vice-Chairperson

**Annexure-1**

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM  
MINING PROPOSALS**

**General Conditions:**

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



projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

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

35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Annexure-2**

**Specific Conditions for Sand Moram Mining :-**

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of cluster of equal to or more than 25 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. 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 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of

the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

15. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
20. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

30. 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.
31. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

**Annexure-3**

**Terms of Reference for Mining Project**

1. The TOR shall be valid strictly for the annual production/yearly production as given in the approved Mining Plans of the respective proposal.
2. Regional combined EMP study should be carried out.
3. Regional combined area of homogeneous leases in cluster situation should be verified by DMO.
4. Certificate from Mining Officer that there is no other mining area exit within 500 m periphery.
5. CER cost to be calculated for individual lease.
6. An intimation regarding conducting the monitoring to be sent to concerned District Magistrate and State Pollution Control Board office.
7. The lab conducting the analysis should be authenticated and registered.
8. Public hearing to be conducted as per EIA Notification, 2006.
9. A copy of document in support of fact that the proponent is the rightful lessee of the mine should be given.
10. Approved mining plans for all the mining projects.
11. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production level, waste generation and its management and mining technology and should be in the name of the lessee. The mine plan should take into account the conditions of the mine lease, if any, in terms of distance to be left un-worked from the river flowing nearby.
12. The study area will comprise of 10 km zone around the mine lease from the lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
13. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory route of fauna, water bodies, human settlements and other ecological features should be indicated.
14. Land use plan of mine lease area should be prepared to encompass pre-operational, operational and post-operational phases and submitted.
15. Location of National Parks, Sanctuaries, Biosphere Reserves, wildlife Corridors, 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, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the state Wildlife Department / Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished.
16. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out covering both terrestrial and aquatic flora and fauna. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on field survey clearly indicating the Schedule of the fauna present.
17. Impact of change of land use should be given.
18. Impact of mining on the hydrology of the area including water flow in the river adjoining the mine lease. It should also take into account the inundation of mined out area due to flow of water from the river.
19. R & R plan / compensation details for the project affected people should be furnished. While preparing the R & R plan, the National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Governments.
20. 02 km kachcha haul road to be made motorable. Submit Plan.

21. One season (Non Monsoon) primary baseline data on ambient air quality (PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>x</sub> and NO<sub>x</sub>), water quality, noise level, soil and flora and fauna shall be collected and the AAQ data so collected presented data-wise in the EIA and EMP report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified.
22. 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 vehicle 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 rose showing pre-dominant wind direction may also be indicated on the map. The impact of stone crusher nearby should also be taken into account.
24. The water requirement for the project, its availability and source to 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. Details of water conservation measures proposed to be adopted in the project should be given.
27. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
28. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. 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. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of groundwater should also be obtained and copy furnished.
29. Details of first order stream, if any passing through lease area and modification diversion proposed, if any and the impact of the same on the hydrology should be brought out.
30. Details of rainwater harvesting proposed, if any, in the project should be provided.
31. Information on reduced levels site elevation, working depth, groundwater table etc. below natural surface level should be provided. A schematic diagram may also be provided for the same.
32. Quantity of solid waste generated to be estimated and details for its disposal and management should be provided. The quality, volumes and methodology planned for removal and utilization (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
33. The reclamation plan, post mine land use and progressive green belt development plan shall be prepared in tabular form (prescribed format) and submitted.
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 increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State government) should be covered.
35. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
36. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with

- plans and with adequate number of sections) should be given in the EIA report.
37. Phase-wise plan of green belt development, 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.
  38. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. Special attention should be in view of the stone crusher nearby.
  39. Measures of social-economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
  40. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia should include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts beside other impacts of the projects. It should also take into account the impacts due to stone crusher nearby and also provide for preventing the silt from going into the river.
  41. Risk assessment and disaster management plan due to inundation of mine as a result of its location close to the river should also be examined and addressed.
  42. Public hearing shall be undertaken as per law. Public hearing points raised and commitment of the project proponent on the same along with the time bound action plan to implement the same should be provided.
  43. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
  44. The cost of project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
  45. Present position of distances of railway lines, National Highway including culverts and bridges, Reservoir, lake, Canal, Road including culverts & bridges, Soil conservation works, nursery plantation, check dams, water supply schemes & irrigation schemes, water sources such as Springs, Infiltration galleries, Percolation wells, Hand pumps, Tube wells and existing flood control / protection work should be included and indicated in location map.
  46. Proponent should submit attested photocopy of the sanction of mining lease by the State Government.
  47. The company will have a well laid down Environment Policy approved by its Board of Directors and it may be detailed in EIA report.
  48. The Environment Policy must prescribe for standard operating process/ procedures to bring into focus any infringement / deviation / violation of the environment or forest norms/conditions and it may be detailed in EIA.
  49. The hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions and details of this system may be given.
  50. The company must have a system of reporting of non-compliance/violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large. This reporting mechanism should be detailed EIA reports.