

Minutes of 741th SEAC-1 Meeting Dated 24/04/2023

The 741st meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 24/04/2023. Following members participated in the meeting:

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|----|-----------------------------|-----------------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC |
| 2. | Dr. Ajai Mishra, | Member, SEAC-1 (through VC) |
| 3. | Dr. Ratan Kar, | Member, SEAC-1 |
| 4. | Shri Om Prakash Srivastava, | Member, SEAC-1 (through VC) |
| 5. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 |
| 6. | Shri Umesh Chandra Sharma, | Member, SEAC-1 |
| 7. | Dr. S.K. Goyal, | Representative of NEERI |
| 8. | Shri Ashish Tiwari, | Member-Secretary, SEAC-1 |

The Chairman welcomed the members to the 741th SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. Ordinary Sand Mining from Riverbed Of Ghaghra/Saryu River, at Gata/Khand No. 01 Mi, Village- Majha Fareedpur Tappa Haweli Tehsil-Alapur, District–Ambedkar Nagar, Shri Bablu, Area-0.500 ha., File No. 7643/ Proposal No. SIA/UP/MIN/418221/2023

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

1. The terms of reference is sought for Ordinary Sand Mining from Riverbed Of Ghaghra/Saryu River, at Gata/Khand No. 01 Mi, Village- Majha Fareedpur Tappa Haweli, Tehsil-Alapur, District–Ambedkar Nagar, U.P., (Leased Area-0.500 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/418221/2023
2.	File No. allotted by SEIAA, UP	7643
3.	Name of Proponent	Shri Bablu
4.	Full correspondence address of proponent and E-mail Id	R/o - Village- Ragadganj, Katariya Yakoobpur, Tehsil-Akbarpur, District- Ambedkarnagar, U.P. E-mail Id- bablu541818@gmail.com
5.	Name of Project	“Ordinary Sand Mining from Riverbed of Ghaghra/Saryu River” Khand No./Gata No.- 01 Mi, Village– Majha Fareedpur Tappa haveli, Tehsil- Alapur, District- Ambedkar Nagar, Uttar Pradesh; Sanctioned Area- 10.500 ha. developed by Shri Bablu
6.	Project Location (Plot.Khasra/Gata No.)	Khand No./Gata No. 01 Mi, Village – Majha Fareedpur tappa haveli, Tehsil- Alapur, District- Ambedkar Nagar, Uttar Pradesh
07.	Name of River	Ghaghra/Saryu River-Adjacent
08.	Name of Village	Majha Fareedpur Tappa haveli
09.	Tehsil	Alapur
10.	District	Ambedkar Nagar
11.	Name of Minor Mineral	Ordinary Sand
12.	Sanctioned Lease Area (in Ha.)	10.500 ha.
13.	Max. & Min mRL within lease area	Highest mRL is 77.0 & Lowest is 75.1 mRL

14.	Pillar Coordinates (Verified by DMO)	Coordinates of the sanctioned lease area		
		PILLAR	LATITUDE	LONGITUDE
		A	26° 25.267'N	83° 03.217'E
		B	26° 25.370'N	83° 03.358'E
		C	26° 25.515'N	83° 03.206'E
		D	26° 25.393'N	83° 03.081'E
15.	Total Geological Reserves	3,15,000 m ³		
16.	Total Mineable Reserve (as per Approved Mine Plan)	1,05,000 m ³		
17.	Total Proposed Production	5,25,000 m ³ (in 5 years)		
18.	Proposed Production	1,05,000 m ³ /year		
19.	Sanctioned Period of Mine lease	5 years		
20.	Method of Mining	Opencast, Semi-Mechanized		
21.	Working hours/day	8		
22.	No. of worker	48		
23.	Type of Land	Govt. land		
24.	Ultimate of Depth of Mining	1.2 m		
25.	Nearest metalled road from site	380 m		
26.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.48 KLD
		Suppression of dust		2.52 KLD
		Plantation		1.0 KLD
		Others (if any)		-
		Total		4.00 KLD
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	AWS Envirotech (OPC) Pvt. Ltd. Certificate no. NABET/EIA/2225/IA 0097(Rev.01) Valid Till July 14, 2025		
28.	Any litigation pending against the project or land in any court	No		
29.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 3334/khanan-anubhag/cluster praman patra/22 Dated on 23.08.2022		
30.	Details of Lease Area in approved DSR	In approved DSR page no. 48, Sl. No. 21		
31.	Monitoring season (Baseline data collection period)	October to December 2022 (intimation letter submitted)		
32.	Proposed CER cost	Rs. 4.88 Lakhs/Year		
33.	Proposed EMP cost	Rs. 7.0 Lakhs as capital cost and Rs. 5.0 lakhs as recurring cost		
34.	Distance of Haul Road	380 m		
35.	No. of Trees to be Planted	500		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 12/04/2023 mentioning is as follows:

1. I, Sandeep Kumar, S/o Sri R.K. Verma is EIA Coordinator of M/s AWS Envirotech (OPC) Pvt. Ltd.

2. I have prepared TOR report for the proposal Ordinary Sand Mining from Riverbed Of Ghaghra/Saryu River, at Gata/Khand No. 01 Mi, Village- Majha Fareedpur Tappa Haweli, Tehsil- Alapur, District–Ambedkar Nagar, U.P., (Leased Area-0.500 ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. The TOR Application for the proposal is prepared by my team as per guideline laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 01

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Project proponent should present latest drone videography of the project site mentioning the date, time and geo coordinates at the time of EIA presentation.
2. Original Cluster Certificate should be submitted at the time of EIA presentation.
3. NOC from Irrigation Department/Concerning Authority regarding river bed mining to be submitted at the time of EIA presentation.
4. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
5. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
6. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
7. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
8. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
9. Combined KML of all mines in a cluster should be submitted at the time of EIA.
10. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
11. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
12. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.

13. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
14. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
15. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
16. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
17. Submit the hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

2. “Granite (Gitti, Boulder, Khandas) Mining” at Village- Gonda, Tehsil-Karwi, District-Chitrakoot, Shri Naveem Kumar Gupta, Area- 2.024 ha., File No. 7652/ Proposal No. SIA/UP/MIN/408309/2022

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

1. The terms of reference is sought for “Granite (Gitti, Boulder, Khandas) Mining” at Araj No.– 1078/20, Village- Gonda, Tehsil-Karwi, District-Chitrakoot, U.P., (Leased Area- 2.024 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/408309/2022			
2.	File No. allotted by SEIAA, UP	7652			
3.	Name of Proponent	Shri Naveen Kumar Gupta S/o Shri Madan Mohan Gupta			
4.	Registered Address	R/o-82, Badausa Road, Daamuganj, Atarra, Banda (U.P)			
5.	Full correspondence address of proponent and mobile no.	R/o-82, Badausa Road, Daamuganj, Atarra, Banda (U.P)			
		Mobile No.-			
		E-mail ID-			
6.	Name of Project	Building Stone Gitti/Boulder (Sand Stone) mining			
7.	Project Location (Plot.Khasra/Gata No.)	Araji No.– 1078/20			
8.	Name of Village	Gonda			
9.	Tehsil	Karwi			
10.	District	Chitrakoot			
11.	State	Uttar Pradesh			
12.	Name of Minor Mineral	Building Stone Gitti/Boulder (Sand Stone)			
13.	Sanctioned Lease Area (in Ha.)	2.0240 Hectares			
14.	Max. & Min mRL within lease area	Highest is 221.40mRL towards North-West & Lowest is 193.0mRL towards South -West direction.			
15.	Pillar Coordinates (Verified by DMO)	Pillar No.	N	E	
		A	25° 12.164'N	80° 44.423'E	
		B	25° 12.141'N	80° 44.467'E	
		C	25° 12.062'N	80° 44.448'E	
		D	25° 12.088'N	80° 44.371'E	
16.	Mine Plan approval details	Letter No.- 2022/7/14/141643 Dated- 14/11/2022			
17.	Validity of Mine Plan	5 Years			
18.	Total geological reserves	500,090 M ³			
19.	Total mineable reserves	347698 M ³			
20.	Total Proposed Production (In 5 Years)	303600 M ³			

21.	Total Proposed Production/Year	60720 M ³ /Year (as per Approved Mine Plan).		
22.	Sanctioned Period of Mine lease	20 years		
23.	Method of Mining	Opencast, Semi mechanized Method		
24.	No. of working days	300 days		
25.	Working hours/day	8 hours/day		
26.	No. of workers	32 Workers		
27.	Type of Land	Govt. land (Barren Land)		
28.	Ultimate Depth of Mining	39.0 m		
29.	Water Requirement		Purpose	Detail
		Portable Tanker	Drinking@10 lpcd/worker	32 workers x 10 lpcd = 320 lpcd
			Mine operation/others	-
			Land reclamation / plantation @1 Lit/Tree	2000Trees x 1 lpcd = 2000 lpcd
			Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area = (200 m Length x 6m Width = 1200 m ²) x2lpcd/Sq.m = 2400 lpcd
		Total		6.72 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 381/Khanij/2022-23, Dated 22-06-2022		
33.	Proposed CER cost	Rs. 4.068 Lakhs		
34.	Proposed EMP cost	Rs. 10.0 Lakhs		
35.	No. of Trees to be Planted (within 5 years)	2000		
36.	Detail of CTE/CTO issued by UPPCB	After issuance of EC		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 21/04/2023 mentioning is as follows:

- I, Brij Mohan Singh Negi, S/o Sri K.S. Negi is EIA Coordinator of M/s Earthvision India Associate Consultants, Lucknow.
- I have prepared TOR report for the proposal in name of Shri Naveen Kumar Gupta, S/o Shri Madan Mohan Gupta with my team.

3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. The TOR Application for the proposal is prepared by my team as per guideline laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 02

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Original Cluster Certificate should be submitted at the time of EIA presentation.
2. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
3. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
4. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
5. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
6. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
7. Combined KML of all mines in a cluster should be submitted at the time of EIA.
8. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
9. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
10. Proponent/Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
11. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
12. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
13. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
14. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

3. Riverbed “ Sand/Morrum Mining” on the riverbed of River Yamuna at Gata No. 36/1, Khand No. 01, Village- Tarivulda, Tehsil- Kalpi, District- Jalaun, Shri Aatif Iqbal, Area- 20.20 ha., File No. 7654/ Proposal No. SIA/UP/MIN/419045/2023

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

1. The terms of reference is sought for Sand/Morrum Mining at Gata No. 36/1, Khand No. 01, Village- Tarivulda, Tehsil- Kalpi, District- Jalaun, U.P., M/s A and R Infra, (Leased Area 20.20 ha).

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

1. On-line proposal No.	SIA/UP/MIN/419045/2023		
2. File No. allotted by SEIAA, UP	7654		
3. Name of Proponent	M/s A and R Infra Prop. Shri Aatif Iqbal		
4. Full correspondence address of proponent and mobile No.	Registered Address: M. No. 656/24 Sushma Nagar, Unity City, Kursi Road Thana Gudamma, District- Lucknow (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Proposed riverbed Sand/Morrum mining project from Yamuna River		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 36/1, Khand No. 01		
7. Name of River	Yamuna		
8. Name of Village	Tarivulda		
9. Tehsil	Kalpi		
10. District	Jalaun		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	20.20		
13. Max & Min mRL within lease area	Max- 97 mRL and Min- 96 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
	A	26° 7'17.43"N	79°46'0.17"E
	B	26° 7'21.67"N	79°46'6.21"E
	C	26° 7'19.97"N	79°46'14.52"E
	D	26° 7'16.03"N	79°46'21.69"E
	E	26° 7'12.60"N	79°46'24.42"E
	F	26° 7'3.96"N	79°46'12.39"E
15. Total Geological Reserves	5,89,477 cum		
16. Total Mineable Reserves in LOI	2,02,420 cum/year		
17. Total Proposed Production	2,02,420 cum/year		
18. Proposed Production/year	2,02,420 cum		
19. Sanctioned Period of Mine lease	5 years		
20. Production of mine/day	778.53		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	260 days		
23. Working hours/day	8 hrs		
24. No. of workers	55		
25. No. of vehicles movement/day	59		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	1.161		
28. Nearest metalled road from site	1.0 km		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	

	Drinking	0.55
	Suppression of dust	4.54
	Plantation	20.20
	Others (if any)	0.55
	Total	25.84
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 10-09-2023	
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 given by Mining officer	
33. Details of Lease Area in approved DSR	Yes, at Page No. 54 Sl. No. 68	
34. Proposed CER cost	Rs 1,57,000 /-	
35. Proposed EMP cost	Rs 5,15,000 /-	
36. Length and breadth of Haul Road	Length: 0.378 km, width: 6 m	
37. No. of Trees to be Planted	20,200 plants	

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).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/02/2023 mentioning is as follows:

1. I, Ankur Sharma, S/o Lalit Mohan Sharma is EIA Coordinator of M/s Cognizance Research India Pvt. Ltd.
2. I have prepared TOR report for the proposal (SIA/UP/MIN/419045/2023) of Sand/Morrum Mining at Gata No. 36/1, Khand No. 01, Village- Tarivulda, Tehsil- Kalpi, District- Jalaun, U.P., M/s A and R Infra, (Leased Area 20.20 ha) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivash Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. The Form-1, PFR and EMP (TOR Application) report for the Proposal will be prepared by my team as per guideline laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 03

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Project proponent should present latest drone videography of the project site mentioning the date, time and geo coordinates at the time of EIA presentation.

2. Original Cluster Certificate should be submitted at the time of EIA presentation.
3. NOC from Irrigation Department/Concerning Authority regarding river bed mining to be submitted at the time of EIA presentation.
4. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
5. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
6. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
7. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
8. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
9. Combined KML of all mines in a cluster should be submitted at the time of EIA.
10. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
11. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
12. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
13. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
14. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
15. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
16. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

4. “Sand/Morrum Mining Project” at Gata No.- 278, 293, Village - Teharka, Tehsil-Garautha, Jhansi, Shri Ashu Singh Bhati, Area 20.234 Ha., File No. 7655/ Proposal No. SIA/UP/MIN/414791/2023

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for “Sand/Morrum Mining Project” at Gata No.- 278, 293, Village - Teharka, Tehsil- Garautha, Jhansi, U.P., (Leased Area 20.234 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/414791/2023
2. File No. allotted by SEIAA, U.P	7655

Minutes of 741th SEAC-1 Meeting Dated 24/04/2023

3. Name of Proponent	M/s Shiva Corporation India (Ltd). Proprietor- Shri Ashu Singh Bhati S/o Shri Mangan Singh Bhati		
4. Full correspondence address of proponent and mobile no.	R/o-45, Paschim Vihar, Vaishali Nagar, Jaipur, Rajasthan		
5. Name of Project	Sand/ Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 278 & 293		
7. Name of River	Betwa River		
8. Name of Village	Teharka		
9. Tehsil	Garautha		
10. District	Jhansi (U.P.)		
11. Name of Minor Mineral	Sand/ Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	20.234 Ha.		
13. Mineable Area (in Ha.)	13.2 Ha (safety margin 7.0340 Ha)		
14. Zero level mRL	146 mRL		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL 152 mRL & 149 mRL respectively		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°42'00.10"N	79°01'07.30"E
	B	25°42'16.40"N	79°01'21.60"E
	C	25°42'21.50"N	79°01'31.80"E
	D	25°42'27.00"N	79°01'27.00"E
	E	25°42'03.80"N	79°01'02.00"E
17. Total Geological Reserves	101170 m3		
18. Total Mineable reserve	66000 m3		
19. Sanction Quantity as per LOI	35,000 m3 in 6 month		
20. Total Proposed Production (in five year)	35,000 m3 in 6 month		
21. Proposed Production/year	35,000 m3 in 6 month		
22. Sanctioned Period of Mine lease	6 month		
23. Monitoring Season	01/10/2022 to 31/12/2022 (Post Monsoon Season)		
24. Method of Mining	Open cast, semi mechanized		
25. No. of working days	180		
26. Working hours/day	8 hours/day		
27. No. Of workers	Approximately 78 workers		
28. No. Of vehicles movement/day	Approximately 15-16 movements per day.(Vehicles such as Truck dumper/tipper, Tractor Trolleys, etc. will be in use)		
29. Type of Land	Government Land		
30. Ultimate Depth of Mining	0.5 m as per approved mining plan		
31. Nearest metalled road from site	SH-42 is 12.48 km towards North from project site		
32. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.88 KLD	
	Dust suppression	4.14 KLD	
	Plantation	0.105 KLD	
	Others (if any)	-	
	Total	5.125 KLD (Approx 5.13 KLD)	
33. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 (Rev01) Valid up to 21 Jan, 2024		
34. Any litigation pending against the project or land in any court	No		
35. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 945/ 30 M.M.C/(2022-23) Date- 14/09/2022		
36. Details of Lease Area in approved DSR	DSR report Table 9 page no-51, Si. No-6		
37. Proposed EMP cost	Rs. 10,53,010/-		
38. Proposed Total Project cost	Rs. 98,00,000/-		
39. Length and breadth of Haul Road	460 m length and 6 m width		

40. No. of Trees to be Planted	105
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3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/04/2023 mentioning is as follows:

1. I Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared TOR report for the Proposal No. SIA/UP/MIN/414791/2023 (File No. – 7655) M/S Shri Shiva Corporation India (Ltd) Proprietor- Shri Ashu Singh Bhati, S/o Shri Mangan Singh Bhati, R/o-45, Paschim Vihar, Vaishali Nagar, Jaipur, Rajasthan with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for TOR presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.

The project proponent also informed the committee that the baseline monitoring data for the project proposal has already been collected for the post monsoon season (October to December, 2022) and requested to consider the same for the preparation of EIA report. The committee discussed the matter and directed the project proponent to conduct one month additional baseline monitoring to correlate the earlier baseline monitoring data.

RESOLUTION AGAINST AGENDA NO. 04

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Project proponent should present latest drone videography of the project site mentioning the date, time and geo coordinates at the time of EIA presentation.
2. At the time of EIA presentation the consultant should bring latest photographs not older than five days to access the ground situation.
3. Original Cluster Certificate should be submitted at the time of EIA presentation.
4. NOC from Irrigation Department/Concerning Authority regarding river bed mining to be submitted at the time of EIA presentation.
5. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.

Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.

6. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
7. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
8. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
9. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
10. Combined KML of all mines in a cluster should be submitted at the time of EIA.
11. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
12. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
13. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
14. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
15. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
16. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
17. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
18. Submit the hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

5. “Sand/Morrum Mining Project” located at Gata No.- 950 & 966, Village - Mailwara, Tehsil – Mauranipur, Jhansi, Shri Ashu Singh Bhati, Area 14.164 Ha., File No. 7656/ Proposal No. SIA/UP/MIN/411471/2023

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for “Sand/Morrum Mining Project” at Gata No.- 950 & 966, Village - Mailwara, Tehsil – Mauranipur, Jhansi, U.P., (Leased Area 14.164 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/411471/2023
2. File No. allotted by SEIAA, U.P	7656
3. Name of Proponent	M/s Shiva Corporation India (Ltd). Proprietor- Shri Ashu Singh Bhati S/o Shri Mangan Singh Bhati
4. Full correspondence address of proponent and	R/o-45, Paschim Vihar, Vaishali Nagar, Jaipur, Rajasthan

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mobile no.			
5. Name of Project	Sand/ Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 950 & 966		
7. Name of River	Betwa River		
8. Name of Village	Mailwara		
9. Tehsil	Mauranipur		
10. District	Jhansi (U.P.)		
11. Name of Minor Mineral	Sand/ Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	14.164 Ha.		
13. Mineable Area (in Ha.)	9.234 Ha (safety margin 4.93 Ha)		
14. Zero level mRL	195 mRL		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL 199 mRL & 197 mRL respectively		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 7'16.28"N	79°14'35.97"E
	B	25° 8'18.58"N	79°14'56.83"E
	C	25° 8'16.65"N	79°14'58.47"E
	D	25° 7'16.67"N	79°14'37.29"E
	E	25° 7'20.07"N	79°14'33.02"E
	F	25° 7'25.04"N	79°14'32.36"E
	G	25° 7'37.90"N	79°14'40.22"E
	H	25° 7'57.17"N	79°14'42.51"E
	I	25° 8'12.67"N	79°14'50.45"E
	J	25° 8'11.70"N	79°14'52.25"E
	K	25° 7'58.52"N	79°14'45.87"E
	L	25° 7'37.33"N	79°14'41.77"E
	M	25° 7'23.92"N	79°14'35.33"E
	N	25° 7'20.91"N	79°14'35.33"E
17. Total Geological Reserves	70,820 m3		
18. Total Mineable Reserve	46170 m3		
19. Sanction Quantity as per LOI	15,000 m3 in 6 month		
20. Total Proposed Production (in five year)	15,000 m3 in 6 month		
21. Proposed Production/year	15,000 m3 in 6 month		
22. Sanctioned Period of Mine lease	6 month		
23. Monitoring Season	01/10/2022 to 31/12/2022 (Post Monsoon Season)		
24. Method of Mining	Open cast, semi mechanized		
25. No. of working days	180		
26. Working hours/day	8 hours/day		
27. No. Of workers	70		
28. No. Of vehicles movement/day	7-8 Vehicles movement/day		
29. Type of Land	Government Land		
30. Ultimate Depth of Mining	0.5 m as per approved mining plan		
31. Nearest metalled road from site	SH-42 is 8.4 km towards North from project site		
32. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.80 KLD
	Dust suppression		2.25 KLD
	Plantation		0.075 KLD
	Others (if any)		-
	Total		3.125 KLD (Approx 3.13 KLD)
33. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 (Rev01) Valid up to 21 Jan, 2024		
34. Any litigation pending against the project or land in any court	No		
35. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 944/ 30 M.M.C/2022-23 Date- 14/09/2022		

36. Details of Lease Area in approved DSR	DSR report page no-51, table no: 9 Si. No-13
37. Proposed EMP cost	Rs. 6, 56,350/-
38. Proposed Total Project cost	Rs. 90,00,000/-
39. Length and breadth of Haul Road	250 m length and 6 m width
40. No. of Trees to be Planted	75

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).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/04/2023 mentioning is as follows:

1. I Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared TOR report for the Proposal No. SIA/UP/MIN/411471/2023 (File No. – 7656) M/s Shri Shiva Corporation India (LTD) Proprietor- Shri Ashu Singh Bhati S/o Shri Mangan Singh Bhati, R/o-45, Paschim Vihar, Vaishali Nagar, Jaipur, Rajasthan with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for TOR presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.

The project proponent also informed the committee that the baseline monitoring data for the project proposal has already been collected for the post monsoon season (October to December, 2022) and requested to consider the same for the preparation of EIA report. The committee discussed the matter and directed the project proponent to conduct one month additional baseline monitoring to correlate the earlier baseline monitoring data.

RESOLUTION AGAINST AGENDA NO. 05

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Project proponent should present latest drone videography of the project site mentioning the date, time and geo coordinates at the time of EIA presentation.
2. At the time of EIA presentation the consultant should bring latest photographs not older than five days to access the ground situation.
3. Original Cluster Certificate should be submitted at the time of EIA presentation.

4. NOC from Irrigation Department/Concerning Authority regarding river bed mining to be submitted at the time of EIA presentation.
 5. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
 6. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
 7. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
 8. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
 9. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
 10. Combined KML of all mines in a cluster should be submitted at the time of EIA.
 11. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
 12. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
 13. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
 14. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
 15. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
 16. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
 17. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
 18. Submit the hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.
6. **Synthetic Organic Chemicals manufacturing unit of 305 TPD capacity at Plot No.- 13/9 & 13/10, UPSIDA Industrial Area, Jagdishpur, District- Amethi, Shri Shantanu Agarwal, M/s Gorakhnath Organics., File No. 6956/ Proposal No. SIA/UP/IND3/295363/2022**

RESOLUTION AGAINST AGENDA NO. 06

The project proponent requested the committee to defer the matter in next SEAC meeting proposed on 25/04/2023. The committee discussed the matter and directed to list the matter in SEAC meeting dated 25/04/2023.

7. Development of Integrated Manufacturing Cluster (IMC) at Village- Rahan Kalan and Raipur, Tehsil-Etmadpur, District-Agra, Uttar Pradesh State Industrial Development Authority (UPSIDA)., File No. 6899/ Proposal No. SIA/UP/MIS/298395/2023

A presentation was made by the project proponent along with their consultant M/s Voyants Solutions Pvt. Ltd. The project proponent informed the committee that the terms of reference of the above project was issued by SEIAA, U.P. vide letter no. 67/Parya/SEIAA/6899/2021, dated 11/05/2022 for the plot area 1053 acres (426 ha) and built up area 28,88,137 sqm respectively. The project proponent also informed that during the course of joint Land measurement/Joint verification it has been found that the project area is 1058.14 acres instead of 1053.3 acres. Due to change in area after reconciliation from 1053.3 acres to 1058.14 acres they have applied for amendment in terms of reference application.

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

1. The terms of reference is sought for Development of Integrated Manufacturing Cluster (IMC) at Village- Rahan Kalan and Raipur, Tehsil-Etmadpur, District-Agra, Uttar Pradesh State Industrial Development Authority (UPSIDA).
2. Details of proposed amendment:

Details	Details mentioned in TOR		Proposed Amendment	
Landuse	Area in Acres	Percentage	Area in Acres	Percentage
1. Industrial	487.98	46.30%	435.19	41.13%
1 a. Leather Articles & Wearing Apparel	218.25		172.66	
1b. Food & Beverages	134.59		114.43	
1c. Medicine & Medical Consumables	67.21		46.97	
1d. Machinery & Equipment	42.74		34.47	
1 e. ESDM & Aerospace	25.2		29.16	
1 f. Warehouse & Logistics	0		37.5	
2. Facilities including Utilities	94.02	8.9%	68.17	6.44%
2a. F-Commercial Natural Facilities	19.3		11.23	
2b. Public/ Semi-Public Facilities	19.42		27.19	
2c. Utilities	55.3		29.75	
3. Residential	3.34	0.3%	3.58	0.34%
4. Green & Open Space	302.44	28.7%	368.05	34.78%
4a. Open Space/Green	182.69		248.13	
4b. Green Belt (15 meters Township Peripheral)	33.81		33.05	
4c. Green Belts (15 meter around Habitation)	21.94		26.15	
4d. Green Belt (25 meter next to HFL, as per NGT)	39.95		44.97	
4e. Area under HT Line	1.34		15.75	
Green Belt (15m River rim edge treatment)	11.11		0.00%	
Green belt (15m along Inner Ring road)	11.6		0.00%	
5. Roads	131.14	12.5%	183.15	17.31%
6. Transportation	34.37	3.30%	0.00%	0.00%
Total	1053.3	100.00%	1,058.14	100.00%

The project proponent requested to amend the Terms of Reference letter dated 11/05/2022 as per above project details.

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended to amend the Terms of Reference letter no. 67/Parya/SEIAA/6899/2021, dated 11/05/2022 as per above project details. The committee also directed the project proponent that all the contents mentioned in Terms of Reference letter dated 11/05/2022 shall remain the same. PP should please ensure that area for roads and parking for heavy duty vehicles (trucks etc.) is allotted and details given along with EIA report.

8. Residential, Hotel and Commercial project at plot No. G/C-1(part) Tajnagari Phase-2, (Khasra No. 94-98, 1955-1959, 1962, 1986-88, 1995, 1996 & Part of Khasra No. 99, 103, 1963, 1994 & 1997) Fatehabad Road, District – Agra, U.P. File No. 7291/Proposal No. SIA/UP/INFRA2/403105/2022

The Secretariat informed the committee that the matter was earlier discussed in 697th SEAC meeting dated 01/11/2022 and the SEAC recommended to issue the terms of reference under violation category for the preparation of EIA report. Subsequently, SEIAA take up the matter in its 675th meeting dated 25/11/2022 wherein:

“...And as per MoEFCC OM IA3-22/43/2021-IA III dated 01.04.2022 -para-2:-

In this regard, NEERI has nominated Dr. S.K. Goyal, Chief Scientist & Head, CSIR-NEERI, Delhi Zonal Centre as its representative for the meeting of EACs and SEACs involving projects which fall in the TTZ area.

SEAC-1 has carried out this appraisal without associating the representative of NEERI, thus appraisal done by SEAC-1 is rejected.”

As per the above observation of SEIAA, the matter was listed in 741st SEAC meeting dated 24/04/2023. The committee has gone through the file and documents and observed that Dr. S.K. Goyal, Chief Scientist & Head, CSIR-NEERI, Delhi Zonal Centre was present in SEAC meeting dated 01/11/2022 through video conferencing but inadvertently the name of NEERI member has not been mentioned in meeting of minutes. Therefore, the matter was again listed in today’s meeting and NEERI member was also present.

The committee discussed the matter and recommended to issue the standard terms of reference (TOR) for the preparation of Environment Impact Assessment Report as earlier prescribed in 697th SEAC meeting dated 01/11/2022. The committee also stipulated following additional TOR points:

1. The project proponent should submit the compliance of TTZ sectoral guidelines (Box-1) at the time of EIA presentation.

9. "Riverbed Ordinary Sand Mining" Project at Gata No.- Ra.-12, Village– Nauva Cheriya, Tehsil- Sadar, District– Gorakhpur, M/s Akankasha Associates, Shri Ajit Singh, Area– 5.0 ha., File No. 7427/ Proposal No. SIA/UP/MIN/409589/2022.

The Secretariat informed the committee that the matter was earlier discussed in 719th SEAC meeting dated 18/01/2023 and the SEAC recommended grant of environmental clearance for the project proposal along with general and specific conditions. Subsequently, SEIAA take up the matter in its 700th meeting dated 28/02/2023 wherein:

“SEIAA noted that SEAC has recommended to grant environmental clearance to the above project. SEIAA gone through file and documents and opined to refer back to SEAC, to review the case in light of replenishment study validated by DGM as stated in Hon’ble NGT order dated 06.05.2022 in O.A. No. -140/2020.”

As per the decision of SEIAA, the matter was listed in 741st SEAC meeting dated 24/04/2023. The project proponent submitted the replies of query raised by the SEIAA. The committee has gone

through the file and documents and observed that project proponent submit the letter dated 12/01/2023 issued by Director, Directorate of Geology and Mining, U.P. wherein:

“...

SEIAA द्वारा नदी तल में स्थित बालू/मौरम की दीर्घकालीन अवधि के खनन पट्टों के लिए पर्यावरण स्वच्छता प्रमाण पत्र प्राप्त करने से पूर्व कतिपय प्रकरणों में replenishment study की अपेक्षा की जा रही है। उल्लेखनीय है कि नये क्षेत्रों को परिहार पर स्वीकृत किये जाने से पूर्व, क्षेत्र में उपलब्ध खनिज की मात्रा का आंकलन जनपद स्तर पर गठित समिति द्वारा किया जाता है। समिति के आंकलन के आधार पर प्रथम वर्ष का निर्धारण कर विज्ञप्ति जारी की जाती है। सफल बोलीदाता के पक्ष में खनन परिहार स्वीकृत किये जाने पर, क्षेत्र में प्रथम वर्ष खनन कार्य समाप्ति होने के उपरान्त, मानसून सत्र में क्षेत्र में बालू/मौरम के पुर्नभराव का आंकलन किया जाना आवश्यक होता है। ऐसी स्थिति में SEIAA द्वारा पर्यावरण स्वच्छता प्रमाण पत्र निर्गत किये जाने से पूर्व replenishment study की आवश्यकता प्रतीत नहीं होती है।”

The committee discussed the matter in light of letter dated 12/01/2023 issued by Director, Directorate of Geology and Mining, U.P. and recommended to grant the environmental clearance for the project proposal along with general and specific conditions as earlier stipulated in 719th SEAC meeting dated 18/01/2023.

10. Riverbed Sand Mine From Riverbed Of Ghaghra/Saryu River at Village/Ghat-Manjha Salarpur, Tehsil- Tanda, District- Ambedkar Nagar, Shri Ravindra Kumar, Area- 5.262 ha., File No. 7735/7281/ Proposal No. SIA/UP/MIN/423567/2023

RESOLUTION AGAINST AGENDA NO. 10

The project proponent requested the committee to defer the matter in next SEAC meeting proposed on 25/04/2023. The committee discussed the matter and directed to list the matter in SEAC meeting dated 25/04/2023.

11. Riverbed “Sand/Morrum Mining” on River Betwa at Khand No. - 22/7, Area – 12.0 Ha. at Village- Rirua Basariya, Tehsil- Sarila & District- Hamirpur, Uttar Pradesh, File No. 7747/7292/ Proposal No. SIA/UP/MIN/424157/2023

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P.). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Riverbed “Sand/Morrum Mining” on River Betwa at Khand No. - 22/7 at Village- Rirua Basariya, Tehsil- Sarila & District- Hamirpur, Uttar Pradesh, (Leased Area – 12.0 Ha.).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 306/Parya/SEIAA/7292/2022 dated 16/12/2022.
3. The Public Hearing was organized on 17/03/2023. Final EIA Report was submitted by the Project Proponent on 31/03/2023.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/424157/2023
2. File No. allotted by SEIAA, U.P	7747-7292
3. Name of Proponent	M/s Exsand Private Limited

Minutes of 741th SEAC-1 Meeting Dated 24/04/2023

	Director- Shri Ravindra Singh Jaiwar		
4. Full correspondence address of proponent and mobile no.	R/o- 01, Golden City, Panchmarhi Road, Kasba- Pipariya, District- Hoshangabad		
5. Name of Project	Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Khand No.- 22/7		
7. Name of River	River Betwa		
8. Name of Village	Rirua Basariya		
9. Tehsil	Sarila		
10. District	Hamirpur (U.P.)		
11. Name of Minor Mineral	Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	12.0 Ha.		
13. Mineable Area (in Ha.)	6.8059 Ha. (Safety Margin 1.6641 Ha. & Water submerged area 3.53 Ha.)		
14. Zero level mRL	95 mRL		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 102 & 99 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	GPS Coordinate of Lease Area – 12.0 Ha.		
	Pillar	Latitude(N)	Longitude(E)
	A	25°54'39.66"N	79°43'53.62"E
	B	25°54'40.41"N	79°44'7.21"E
	C	25°54'30.76"N	79°44'7.96"E
	D	25°54'30.15"N	79°43'52.57"E
	GPS Coordinate of Water Submerged Area – 3.53 Ha		
	F	25°54'30.47"N	79°43'52.61"E
	G	25°54'31.20"N	79°43'54.06"E
	H	25°54'32.81"N	79°43'56.28"E
	I	25°54'35.94"N	79°44'2.47"E
	J	25°54'37.18"N	79°44'7.45"E
	B	25°54'40.41"N	79°44'7.21"E
	B'	25°54'40.33"N	79°44'5.17"E
	C'	25°54'37.74"N	79°44'1.51"E
	D'	25°54'34.69"N	79°43'54.54"E
	E	25°54'34.78"N	79°43'53.10"E
17. Total Geological Reserves	3,38,800 m ³		
18. Total Mineable Reserve	1,99,583 m ³		
19. Sanction Quantity as per LOI	1,92,000 m ³ per year as per LOI		
20. Total Proposed Production (in five year)	9,60,000 m ³ in five year		
21. Proposed Production/year	1,92,000 m ³ per year		
22. Sanctioned Period of Mine lease	5 Years		
23. Monitoring Season	01/10/2022 to 31/12/2022 (Post Monsoon Season)		
24. Method of Mining	Open cast, semi mechanized		
25. No. of working days	250		
26. Working hours/day	8 hours/day		
27. No. Of workers	76		
28. No. Of vehicles movement/day	59-60 Vehicles movement/day		
29. Type of Land	Government Land		
30. Ultimate Depth of Mining	3.0 m		
31. Nearest metalled road from site	SH-91 is 7.4 km towards North East direction from the project site.		
32. Water Requirement...	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.86 KLD
	Dust suppression		12.96 KLD
	Plantation		0.06 KLD
	Others (if any)		-
	Total		13.88 KLD (Approx 13.9 KLD)
33. Name of QCI Accredited Consultant with QCI	Environmental Research and Analysis, Lucknow (U.P)		

No and period of validity	Certificate No. NABET/EIA/1922/RA 0200 (Rev01) (Extension Validity Till: 21.01.2024)
34. Any litigation pending against the project or land in any court	No
35. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 800/ Khanij- M.M.C-30- Vividh (2022-23) Date- 08/09/2022
36. Details of Lease Area in approved DSR	DSR amendment letter no-1530/Khanij-30 vividh dated (2022-23), dated 08.09.2022
37. Proposed EMP cost	Rs. 28,96,760
38. Proposed Total Project cost	Rs. 7,00,00,000
39. Length and breadth of Haul Road	720 m length and 6.0 m width
40. No. of Trees to be Planted	60

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-I(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/04/2023 mentioning is as follows:

1. I, Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared EIA project report for the Proposal No. SIA/UP/MIN/424157/2023 (File No. 7747-7292) M/s Exsand Private Limited, Director- Ravindra Singh Jaiwar, R/o- 01, Golden City, Panchmarhi Road Kasba Pipariya, District- Hoshangabad - 461775, Khand No. 22/7, Area – 12.0 Ha located at Village- Rirua Basariya, Tehsil- Sarila & District- Hamirpur, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

The committee noted that Directorate of Geology and Mining Department, U.P. vide letter no. 1686/M-NGTvaad/2021, dated 10/02/2023 provided the replenishment study report of the various district of Uttar Pradesh. Replenishment study of the District, Hamirpur has been conduct and prepared by Central Mine Planning & Design Institute Limited (CMPDI) in which annul mineable quantity of the leased area is mentioned as 1,98,879 m³/annum which is more than the quantity mentioned in LoI.

RESOLUTION AGAINST AGENDA NO. 11

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 to these minutes. The committee also stipulated the following specific conditions:

1. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders. Based on replenishment study letter of intent (LoI) must be revised (if required) by Directorate of Geology and Mining.
2. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
3. Project proponent has committed to plant 1000 number of trees/hectare. The project proponent/consultant if desires may approach to concerned District Forest Authority to plant 1000 trees/ha on a land available to the Forest Department. The project proponent will deposit the required amount for this entire plantation work (including its maintenance and security) to the Forest Department.
4. The project proponent shall install solar light in their site office.
5. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
7. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
8. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

12. Riverbed “Morrum Mining Project” on the riverbed of Son River at Arazi No.- 385, (Khand- ३), Village- Barhmori, Tehsil- Obra, District- Sonbhadra, Shri Vijay Sen, M/s Master genie Services Private Limited, Area: 12.146 Ha., File No. 7758/6938/ Proposal No. SIA/UP/MIN/424703/2023

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P.). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Riverbed “Morrum Mining Project” on Son River at Arazi No.- 385, (Khand- ३), Village- Barhmori, Tehsil- Obra, District- Sonbhadra, U.P., (Leased Area : 12.146 ha), M/s Mastergenien Services Private Limited.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 288/Parya/SEIAA/6938/2022, dated 30/11/2022.

3. The Public Hearing was organized on 02/03/2023. Final EIA report was submitted by the Project Proponent on 03/04/2023.

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

1. On-line proposal No.	SIA/UP/MIN/424703/2023		
2. File No. allotted by SEIAA, U.P	7758/6938		
3. Name of Proponent	M/s Mastergenie Services Private Limited Proponent- Shri Vijay Sen		
4. Full correspondence address of proponent and mobile no.	Floor- 03, Bussa industrial Street SH Tandel Marg, Mumbai 400025		
5. Name of Project	Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No.- 385, Khand- 3f		
7. Name of River	Son River		
8. Name of Village	Barhmori		
9. Tehsil	Obra		
10. District	Sonbhadra (U.P.)		
11. Name of Minor Mineral	Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	12.146 Ha.		
13. Mineable Area (in Ha.)	8.6525 Ha. (Safety Margin 3.4935Ha)		
14. Zero level mRL	149 mRL		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL 156 mRL & 153 mRL respectively		
16. Pillar Coordinates (Verified by DMO)	Pillar Name	Latitude	Longitude
	A	24°28'14.14"N	83°12'53.98"E
	B	24°28'11.96"N	83°13'5.59"E
	C	24°28'0.75"N	83°13'5.76"E
	D	24°28'1.44"N	83°12'53.67"E
17. Total Geological Reserves	4,85,840 m ³		
18. Total Mineable Reserve	2,55,978 m ³		
19. Total Proposed Production (in five year)	12,15,000 m ³ in five year		
20. Proposed Production/year	2,43,000 m ³ per year as per LOI		
21. Sanctioned Period of Mine lease	5 Years as per LOI		
22. Total quantity issued for lease period of 5 years as per LOI	12,15,000 m ³ for lease period of 5 years		
23. Monitoring Period	01/10/2021 to 31/12/2021		
24. Method of Mining	opencast, semi-mechanized		
25. No. of working days	250		
26. Working hours/day	8 hours/day		
27. No. Of workers	73		
28. No. Of vehicles movement/day	74-78 Vehicles movement/day		
29. Type of Land	Government Land		
30. Ultimate Depth of Mining	3.0 m		
31. Nearest metalled road from site	SH 5A at 18.37 km towards west direction & Kone road at 2.9 km towards South direction from the project site.		
32. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.83 KLD	
	Suppression of dust	9.36 KLD	
	Plantation	0.065 KLD	
	Others (if any)	-	
	Total	10.25 KLD (10.3 KLD approx.)	
33. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA 0200 (Rev01) (Extension Validity Till: 21.01.2024)		
34. Any litigation pending against the project or land in any court	No		
35. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No.- 5013/ Khanij /2022 Date-27/01/2022		
36. Details of Lease Area in approved DSR	In DSR Table No. 08, Sr. No. 06 page 25		
37. Proposed EMP cost	Rs 9,34,617 /-		

38. Proposed Total Project cost	Rs. 7,00,00,000/-
39. Length and breadth of Haul Road	520 m length and 6.0 m width
40. No. of Trees to be Planted	65

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/04/2023 mentioning is as follows:

1. I Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared EIA project report for the Proposal No. SIA/UP/MIN/424703/2023 (File No. – 7758/6938) M/s MASTERGENIE SERVICES PRIVATE LIMITED Add- Floor- 03, Bussa industrial Street SH Tandel Marg, Mumbai 400025 Project Proponent- Shri Vijay Sen, Gata No.385, Khand- aa, Village Barhmori, Tehsil Obra, District Sonbhadra, Uttar Pradesh (Total Lease Area -12.146 ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

The committee also gone through the letter dated 12/01/2023 issued by Director, Directorate of Geology and Mining, U.P. wherein:

“... ”

SEIAA द्वारा नदी तल में स्थित बालू/मौरम की दीर्घकालीन अवधि के खनन पट्टों के लिए पर्यावरण स्वच्छता प्रमाण पत्र प्राप्त करने से पूर्व कतिपय प्रकरणों में replenishment study की अपेक्षा की जा रही है। उल्लेखनीय है कि नये क्षेत्रों को परिहार पर स्वीकृत किये जाने से पूर्व, क्षेत्र में उपलब्ध खनिज की मात्रा का आंकलन जनपद स्तर पर गठित समिति द्वारा किया जाता है। समिति के आंकलन के आधार पर प्रथम वर्ष का निर्धारण कर विज्ञप्ति जारी की जाती है। सफल बोलीदाता के पक्ष में खनन परिहार स्वीकृत किये जाने पर, क्षेत्र में प्रथम वर्ष खनन कार्य समाप्ति होने के उपरान्त, मानसून सत्र में क्षेत्र में बालू/मौरम के पुर्नभराव का आंकलन किया जाना आवश्यक होता है। ऐसी स्थिति में SEIAA द्वारा पर्यावरण स्वच्छता प्रमाण पत्र निर्गत किये जाने से पूर्व replenishment study की आवश्यकता प्रतीत नहीं होती है।”

RESOLUTION AGAINST AGENDA NO. 12

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 to these minutes. The committee also stipulated the following specific conditions:

1. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders. Based on replenishment study letter of intent (LoI) must be revised (if required) by Directorate of Geology and Mining.
2. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
3. Project proponent has committed to plant 1000 number of trees/hectare. The project proponent/consultant if desires may approach to concerned District Forest Authority to plant 1000 trees/ha on a land available to the Forest Department. The project proponent will deposit the required amount for this entire plantation work (including its maintenance and security) to the Forest Department.
4. The project proponent shall install solar light in their site office.
5. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
7. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
8. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

13. Flatted Factory Complex (White Goods Manufacturing) at Plot No- D-10, d-11, d-12, d-13, d-59, d-60 & 61, Industrial Area, UPSIDA, found, District- Agra, M/s Uttar Pradesh Small Industries Corporation (UPSIC), Shri Yash Pal Singh. File No. 6424/Proposal No. SIA/UP/MIS/284121/2022

The Secretariat informed the committee that the matter was earlier discussed in 690th SEAC meeting dated 28/09/2022 and the SEAC recommended to amend the environmental clearance for the project proposal along with some additional conditions. Subsequently, SEIAA take up the matter in its 665th meeting dated 02/11/2022 wherein:

“MoEFCC, GoI vide letter no. Q-17012/1/2022-CPA dated 08.09.2022 sought comments on TTZ Sectoral Guidelines (final draft) prepared by NEERI in compliance of Honourable Supreme Court orders. Draft Guidelines under the title “1.1 Hon'ble Supreme Court Direction and its Compliance” is as follows –

"This has reference to the Hon'ble Supreme Court Orders dated December 6, 2019 and December 8, 2021 in the matter of Writ Petition (Civil) No. 13381/1984, M.C. Mehta V/s Union of India & Ors. in respect of the Taj Trapezium Zone (TTZ). Subsequently, Hon'ble Supreme Court Order dated December 8, 2021 has the following three points concerning NEERI:

- 1. "A representative of NEERI shall be included as a member in the Environmental Appraisal Committee (EAC) and State Environmental Appraisal Committee (SEAC) constituted by the Ministry of Environment, Forest and Climate Change for dealing with industrial units falling in TTZ Area.*
- 2. In respect of industrial units where the Air Pollution Score as per CPCB and UPPCB is between 11 & 20, sectorial guidelines shall be obtained from NEERI. No industrial units shall be cleared by the State till sectorial guidelines are obtained from NEERI.*
- 3. For those industrial units having Air Pollution more than 20, the concurrence/opinion of NEERI will have to be obtained."*

In compliance to the Hon'ble Supreme Court Order dated December 08, 2021, Commissioner Agra and Chairman, TTZ Authority, Agra vide letter no. 499/TTZ(PMU)/NEERI S.Guidelines/22 dated 04.02.2022 requested NEERI to prepare Sectorial Guidelines for the necessary and important industries/projects for implementation in the TTZ Area. In first phase, 31 industrial sectors / activity / projects were identified by TTZ Authority.

These guidelines are prepared as a response to the letter from TTZ Authority and to comply with the orders of Hon'ble Supreme Court."

MoEFCC, Gol vide letter no. Q-17012/1/2022-CPA dated 26.09.2022 convened a meeting on the above subject which was held on 07.10.2022. MoM of this meeting issued by MoEFCC, Gol vide letter no. Q-17012/1/2022-CPA dated 26.09.2022 reads as follows –

"Additional Secretary (EF&CC) mentioned that the meeting has been convened to discuss Guidelines for the proposed industrial units / activities with air pollution score between 11 & 20 and above, falling under the TTZ Area prepared in compliance to the Hon'ble Supreme Court Order dated December 8, 2021.

Key decision taken in the meeting are as under:

- 1. The draft guidelines prepared by NEERI is forwarded to the sub-committee constituted by UPPCB in compliance of direction of Hon'ble Supreme Court. All the stakeholders are requested to send comments / suggestions, if any, directly to the sub-committee for consideration by 14th October 2022.*
- 2. The sub-committee is requested to examine the draft guidelines whether they are in consonance with earlier recommendations of the committee and in compliance of the Hon'ble Supreme Court's order. After examination and consideration of the suggestions of the stakeholders, finalized guidelines may be sent to Ministry by 21st October 2022.*
- 3. The committee may also co-opt a member from RSPSB for the above exercise.*
- 4. While reviewing the guidelines, incorporating specific measures for few major sectors existing in TTZ area may be considered.*

SEIAA opined as follows –

- 1. PP to submit Air Pollution Score, duly verified either by CPCB or UPPCB, for the said project.*
- 2. PP to submit NoC from TTZ Authority for establishing said project*
- 3. PP to submit compliance report on sectorial guidelines, when the same are notified by MoEFCC*
- 4. EC issued to the said project vide letter no. EC21B038UP122937 (File No. 6424), dated 01.12.2021 is kept in abeyance.*
- 5. While evaluating projects / activities in TTZ area, representative of NEERI should be included in the meetings of SEAC and their approval on the MoM for such projects / activities should be taken.*

6. *A copy of this MoM be sent to SEAC-1 and SEAC-2 with the direction that this should be brought to the notice of all the members of SEAC-1 and SEAC-2 and should be discussed and documented in their next meeting. Further, while evaluating projects / activities seeking EC in TTZ area, orders issued by Honourable Supreme Court of India and directions given by MoEFCC, GoI should be followed.*

As per the decision of SEIAA, the matter was listed in 741st SEAC meeting dated 24/04/2023. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. The committee has gone through the documents and presentation submitted by PP and advised to revise the project report as per Box-1 sectoral guidelines prepared by NEERI.

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Om Prakash Srivastava)
Member

(Dr. Ajai Mishra)
Member

(Rajive Kumar)
Chairman

(Dr. S.K. Goyal)
Representative of NEERI

(Ashish Tiwari)
Member-Secretary

Nodal, SEAC-1

MoM prepared by Secretariat in consultation with
Chairman & Members on the basis of decisions
taken by SEAC-1 during the meeting.

Annexure-1

General and Specific Conditions for Sand/Morum Mining Proposals

General Conditions:

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

23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).

42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Integrated Regional Office, MoEF&CC, GoI, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the mining lease period/mining plan whichever is less.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.

21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
31. The mining work will be open-cast and manual/semi mechanized (subject to orders). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.
48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

Annexure-2

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

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

Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

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

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

were collected and the sources should be indicated.

- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.