

Minutes of 664th SEAC-2 Meeting Dated 17/06/2022

The 664th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 17/06/2022. Following members participated in the meeting:

- | | | |
|----|-----------------------------|-----------------------------|
| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2 |
| 2. | Dr. Amrit Lal Haldar, | Member, SEAC-2 (through VC) |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tanzar Ullah Khan, | Member, SEAC-2 |
| 5. | Prof. Jaswant Singh, | Member, SEAC-2 |
| 6. | Dr. Shiv Om Singh, | Member, SEAC-2 (through VC) |
| 7. | Shri Ashish Tiwari, | Member Secretary, SEAC-2 |

The Chairman welcomed the members to the 664th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Silica Sand Mining from Gata No 728, 732, part of 729, part of 731, part of 734, part of 888, part of 889 mi, Village-chhatehra/gurehtha (block-4) Tehsil-Bara, Prayagraj, Shri Ganesh Deen Sonekar., Area – 4.1467 ha. File No. 7106/Proposal No. SIA/UP/MIN/77302/2022**

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

1. The terms of reference are sought for “Silica Sand Mine” at Gata No – 728, 732, part of 729, part of 731, part of 734, part of 888, part of 889 mi , Area – 4.1467 ha at Village- chhatehra/gurehtha (block-4) Tehsil-Bara, District-Prayagraj, Uttar Pradesh, (Leased Area 4.1467 ha), M/s G.S. Contractors.
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/77310/2022
2.	File No. allotted by SEIAA, UP	7106
3.	Name of Proponent	M/s G.S. Contractors Ganesh Deen Sonekar (Prop)
4.	Full correspondence address of proponent and mobile no.	S/o Shri Seeta Ram R/o-Ward No.07/10, Ajmatganj Thana-Pipri, Tehsil-Chayal Distt-Kaushambi (U.P) E mail ID - ganeshsonkar1965@gmail.com
5.	Project Location (Plot. Khasra/Gata No.)	728, 732, part of 729, part of 731, part of 734, part of 888, part of 889 mi
6.	Name of River	“Silica Sand Mine” project, nearest river is Yamuna River – 6.0 Km (NW)
7.	Name of Village	Chhatehra/Gurehtha (block-4)
8.	Tehsil	Bara
9.	District	Prayagraj

10.	Name of Minor Mineral	“Silica Sand Mine”																					
11.	Sanctioned Lease Area (in Ha.)	Area- 4.1467																					
12.	Max. & Min mRL within lease area	Highest mRL 112.50 mRL Lowest mRL 103.0 mRL																					
13.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>25°18' 07.10"</td> <td>81°40' 25.80"</td> </tr> <tr> <td>B</td> <td>25°18' 03.44"</td> <td>81°40' 34.04"</td> </tr> <tr> <td>C</td> <td>25°17' 59.17"</td> <td>81°40' 27.86"</td> </tr> <tr> <td>D</td> <td>25°17' 59.88"</td> <td>81°40' 26.46"</td> </tr> <tr> <td>E</td> <td>25°17' 55.79"</td> <td>81°40' 21.66"</td> </tr> <tr> <td>F</td> <td>25°17' 56.33"</td> <td>81°40' 20.46"</td> </tr> </tbody> </table>	Point	Latitude	Longitude	A	25°18' 07.10"	81°40' 25.80"	B	25°18' 03.44"	81°40' 34.04"	C	25°17' 59.17"	81°40' 27.86"	D	25°17' 59.88"	81°40' 26.46"	E	25°17' 55.79"	81°40' 21.66"	F	25°17' 56.33"	81°40' 20.46"
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14.	Total Geological Reserves	Quantity of silica sand – 8, 00,895 m ³ Quantity of stone – 6, 40,716 m ³ (As per mine plan)																					
15.	Total Mineable Reserve	Quantity of silica sand – 3, 73,744 m ³ (50%) Quantity of stone – 3, 73,744 m ³ (50 %) (As per mine plan)																					
16.	Total Proposed Production	Quantity of Silica sand – 55,570 m ³ /annum (5 years) Quantity of Stone – 55,570 m ³ /annum (5 years)																					
17.	Proposed Production /year (as per LoI)	Quantity of Silica sand - 11,114 m ³ /annum (50%) Quantity of Stone - 11,114 m ³ /annum (50%)																					
18.	Sanctioned Period of Mine lease	Lease period – 30 years Plan period -5 years																					
19.	Production of mine/day	Quantity of Silica sand - 37 m ³ /day Quantity of Stone - 37 m ³ /day																					
20.	Method of Mining	Opencast, /Semi-mechanized method																					
21.	No. of working days	300																					
22.	Working hours/day	8																					
23.	No. of worker	21																					
24.	No. of vehicles movement/day	08																					
25.	Type of Land	Govt./Non Forest Land																					
26.	Depth of Mining	6.0 m																					
27.	Nearest metalled road from site	0.30 km																					
28.	Water Requirement	<table border="1"> <thead> <tr> <th colspan="2">PURPOSE</th> </tr> </thead> <tbody> <tr> <td>Drinking</td> <td>- 0.21 KLD</td> </tr> <tr> <td>Suppression of dust</td> <td>- 3.60 KLD</td> </tr> <tr> <td>Plantation</td> <td>- 7.00 KLD</td> </tr> <tr> <td>Others (if any)</td> <td>- 0.00 KLD</td> </tr> <tr> <td>Total</td> <td>- 7.81 KLD</td> </tr> </tbody> </table>	PURPOSE		Drinking	- 0.21 KLD	Suppression of dust	- 3.60 KLD	Plantation	- 7.00 KLD	Others (if any)	- 0.00 KLD	Total	- 7.81 KLD									
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29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/2124 RA 0224, Valid till –01 May 2024																					
30.	Any litigation pending against the project or land in any court	No																					
31.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No –4895/Khanij/2021-22, dated - 04/02/2022																					
32.	Details of Lease Area in approved DSR	Serial no. 04, Date 01/04/2021																					
33.	Project Cost	91.98 Lacs																					
34.	Proposed CER cost	1.84 lacs																					
35.	Length and breadth of Haul Road	Length – 0.30 km, Breadth – 6.00 m																					
36.	No. of Trees to be Planted	4000																					

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 an eco-fragile zone such as the 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 13/06/2022 mentioning is as follows:

1. I Pankaj Srivastava S/o Shri V.V. Srivastava is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared Form-1, Pre-feasibility report for the proposed "Silica Sand Mine" at Gata No – 728, 732, part of 729, part of 731, part of 734, part of 888, part of 889 mi , Area – 4.1467 ha at Village- chhatehra/gurehtha (block-4) Tehsil-Bara, District-Prayagraj, Uttar Pradesh, (Leased Area 4.1467 ha), M/s G.S. Contractors, Ganesh Deen Sonekar (Proponent) Proposal No. SIA/UP/MIN/77310/2022 with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for Form-1, Pre-feasibility report for preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

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-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for 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.
2. 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.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. 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.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. 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.
7. 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.
8. 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.
 9. 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.
 10. 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.
 11. Revised Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
 12. PP/Consultant to provide original monitoring data record at the time of EIA presentation and competent person from monitoring lab shall remain present for answer to the queries of the committee members.

2. Silica Sand Mining from Gata No – 720, part of 719, at Village-chhatehra/ Gurehtha (block-5) Tehsil-Bara, Prayagraj, Smt. Shashikala Pandey, Area – 10.231 ha. File No. 7107/Proposal No. SIA/UP/MIN/77234/2022

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

1. The terms of reference are sought for “Silica Sand Mine” at Gata No – 720, part of 719, Area – 10.231 ha at Village-chhatehra/gurehtha (block-5) Tehsil-Bara, District-Prayagraj, Uttar Pradesh (Leased Area –17.00 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/77234/2022																		
2.	File No. allotted by SEIAA, UP	7107																		
3.	Name of Proponent	<u>Smt. Shashikala Pandey</u> Adhya Prasad Mishra (Prop)																		
4.	Full correspondence address of proponent and mobile no.	W/o Shri Vidyasagar Pande R/o – 31, Gangotri Nagar, Dandi, Prayagraj, Uttar Pradesh E mail ID - vspandeyudmri@gmail.com																		
5.	Project Location (Plot. Khasra/Gata No.)	Gata No – 720, part of 719																		
6.	Name of River	Silica Sand Mine Project Nearest River Yamuna – 5.75 Km (N)																		
7.	Name of Village	chhatehra/gurehtha (block-5)																		
8.	Tehsil	Bara																		
9.	District	Prayagraj																		
10.	Name of Minor Mineral	Silica Sand Mine Project																		
11.	Sanctioned Lease Area (in Ha.)	Area- 10.231ha																		
12.	Max. & Min mRL within lease area	Highest mRL 109 mRL & Lowest mRL 105.50 mRL																		
13.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>25°18' 08.27"</td> <td>81°40' 51.00"</td> </tr> <tr> <td>B</td> <td>25°18' 05.73"</td> <td>81°40' 55.59"</td> </tr> <tr> <td>C</td> <td>25°18' 00.01"</td> <td>81°40' 00.25"</td> </tr> <tr> <td>D</td> <td>25°17' 56.97"</td> <td>81°40' 55.40"</td> </tr> <tr> <td>E</td> <td>25°17' 53.25"</td> <td>81°40' 52.23"</td> </tr> </tbody> </table>	Point	Latitude	Longitude	A	25°18' 08.27"	81°40' 51.00"	B	25°18' 05.73"	81°40' 55.59"	C	25°18' 00.01"	81°40' 00.25"	D	25°17' 56.97"	81°40' 55.40"	E	25°17' 53.25"	81°40' 52.23"
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		F	25°17' 56.17"	81°40' 45.07"
		G	25°17' 56.06"	81°40' 41.34"
		H	25°17' 58.62"	81°40' 42.94"
		I	25°17' 59.50"	81°40' 40.40"
14.	Total Geological Reserves	Silica sand – 31, 87,266 m ³ (60%) Stone – 21, 24,845 m ³ (40 %)		
15.	Total Mineable Reserve	Quantity of silica sand – 16, 48,425 m ³ (60%) Quantity of stone – 10, 98,951 m ³ (40 %) (As per mine plan)		
16.	Total Proposed Production	Silica sand – 1,54,165 m ³ (5 years) Stone – 1,02,780 m ³ (5 years)		
17.	Proposed Production /year (as per LoI)	Proposed production : Quantities of Silica sand 30,833 m ³ /annum (60 %) Quantities of stone 20,556 m ³ /annum (40 %) (As per mine plan)		
18.	Sanctioned Period of Mine lease	Lease period – 30 years Plan Period - 5 years		
19.	Production of mine/day	Silica sand - 103 m ³ /day Stone- 69 m ³ /day		
20.	Method of Mining	Opencast, /Semi-mechanized method		
21.	No. of working days	300		
22.	Working hours/day	8		
23.	No. of worker	49		
24.	No. of vehicles movement/day	18		
25.	Type of Land	Govt./Non Forest Land		
26.	Depth of Mining	12.0 m		
27.	Nearest metalled road from site	0.50 km		
28.	Water Requirement	PURPOSE		
		Drinking	- 0.49 KLD	
		Suppression of dust	- 6.00 KLD	
		Plantation	- 10.00 KLD	
		Others (if any)	- 0.00 KLD	
		Total	- 16.50 KLD	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/2124 RA 0224, Valid till –01 May 2024		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No –4893/Khanij/2021-22, dated - 04/02/2022		
32.	Details of Lease Area in approved DSR	Serial no.01, 01/04/2021		
33.	Project Cost	1.30 Crore		
34.	Proposed CER cost	2.60 lacs		
35.	Length and breadth of Haul Road	Length – 0.50 km, Breadth – 6.00 m		
36.	No. of Trees to be Planted	10,000		

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 an eco-fragile zone such as the 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 13/06/2022 mentioning is as follows:

1. I Pankaj Srivastava S/o Shri V.V. Srivastava is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared Form-1, Pre-feasibility report for the proposed “Silica Sand Mine” at Gata No – 720, part of 719, Area – 10.231 ha at Village-chhatehra/gurehtha (block-5) Tehsil-Bara, District-Prayagraj, Uttar Pradesh (Leased Area –17.00 ha.) Smt. Shashikala Pandey (Proponent), Proposal No. SIA/UP/MIN/77234/2022 with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for Form-1, Pre-feasibility report for preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

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-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for 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.
2. 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.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. 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.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. 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.
7. 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.
8. 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.
9. 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.

10. 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.
 11. Revised Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
 12. PP/Consultant to provide original monitoring data record at the time of EIA presentation and competent person from monitoring lab shall remain present for answer to the queries of the committee members.
3. **Establishment of Cement Plant (Grinding Unit) for production Capacity of 1.5 MTPA at Junction road, Industrial Area, Village-MaujpurKhurja, Distt. Bulandshahr, M/s Le Segnare LLP. File No. 7114/Proposal No. SIA/UP/IND/77326/2022**

RESOLUTION AGAINST AGENDA NO-03

The project proponent/consultant did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online requests on prescribed online portal.

4. **Installation of Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Sets of 1.5 MW at Village: Dhauha, Pargana: Sakteshgarh, Tehsil: Chunar, District: Mirzapur., Shri Bipin Agarwal, M/s Eco Plus Cement Chunar Pvt. Ltd. File No. 5712/Proposal No. SIA/UP/IND/54294/2020**

RESOLUTION AGAINST AGENDA NO-04

The project proponent vide letter dated 17/06/2022 have requested the committee to defer the matter in next SEAC meeting. The committee agreed with the request made by project proponent and directed to list the matter in next SEAC meeting proposed on 27/06/2022.

5. **Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route located at Khasra No.- 530, 7th Km Stone, Bhopa Raod, District- Muzaffarnagar, M/s Shree Sidhballi Steels Pvt. Ltd., M/s Shree Sidhballi Steels Pvt. Ltd. File No. 7117/6358/Proposal No. SIA/UP/IND/274528/2022**

RESOLUTION AGAINST AGENDA NO. 05

The committee noted that the project proponent or any responsible person did not present in the meeting. Hence, the committee directed that the director/responsible person of the company should present before SEAC to explain the project. The committee directed to list the matter in the next SEAC meeting proposed on 27/06/2022.

6. **Stone, Khanda, Boulder,Gitti Mining at Gata No: 1498, Village: Pahra, Tehsil: Sadar, District: Mahoba, Shri Shiv Vijay Singh, Area: 2.0243 Ha. File No. 6460/Proposal No. SIA/UP/MIN/65908/2021**

RESOLUTION AGAINST AGENDA NO. 06

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 Globus Environment Engineering Services. The committee observed that the monitoring data submitted by the project proponent/consultant is doubtful. Hence, the committee opined that the monitoring data requires validation from Government Department/institutes such as UPPCB, ITRC, IITs. Hence, the committee has requested SEIAA to go through the monitoring data and do the needful.

The matter shall be discussed after receipt of the above information from UPPCB.

7. "Development of Integrated Industrial Township Trans Ganga City" at Plot No. 34, 39, 40, 41, 42, 43, 44M, 45M, 65M, 66, 67M, 68M, 73M, 74, 75M, 76, 77, 78, 79M, 80, 81, 82, 83, 84, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122/1, 122/2, 123, 125, 126M, 127M, 128, 129, 133M. Villages Sankarpur Sarai, Kanhwapur, Manbhauna, Unnao, M/s Uttar Pradesh State Industrial Development Authority. File No. 7122/Proposal No. SIA/UP/MIS/77520/2022

The committee noted that the matter was earlier listed in 561st SEIAA meeting dated 07/02/2022 and directed as follows:

"SEIAA noted that the above project was taken in its 559th meeting in which SEIAA noted that SEAC has recommended to grant the environmental clearance to the above project. SEIAA gone through file and documents and opined that the project proponent shall make an online presentation on 07.02.2022 regarding the above project. The project proponent along with consultant presented their case before SEIAA. After due deliberation SEIAA opined that since The project proponent UPSIDA proposes to add Beverages / Soft Drink industries under the premises of Trans-Ganga City, hence they shall carry out and submit rapid EIA-EMP to SEIAA. Rapid EIA-EMP should include ZLD (zero liquid discharge) concept, there should be interventions to have a zero water foot print of the proposed industry, international best practices adopted by the beverage / soft drink industry should be proposed, etc. Rapid EIA-EMP should be submitted to SEAC-1 for appraisal. PP should also submit approval from competent authority to include beverage / soft drink industry in the said integrated industrial township."

As per the above direction of SEIAA, the project proponent has applied afresh terms of reference (ToR) application for "Development of Integrated Industrial Township Trans Ganga City" at Plot No. 34, 39, 40, 41, 42, 43, 44M, 45M, 65M, 66, 67M, 68M, 73M, 74, 75M, 76, 77, 78, 79M, 80, 81, 82, 83, 84, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122/1, 122/2, 123, 125, 126M, 127M, 128, 129, 133M. Villages Sankarpur Sarai, Kanhwapur, Manbhauna, Unnao, M/s Uttar Pradesh State Industrial Development Authority for the preparation of EIA report vide proposal no. SIA/UP/MIS/77520/2022.

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 Hubert Enviro Care Systems (P) Ltd, Chennai. 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 are sought for "Development of Integrated Industrial Township Trans Ganga City" at Plot No. 34, 39, 40, 41, 42, 43, 44M, 45M, 65M, 66, 67M, 68M, 73M, 74, 75M, 76, 77, 78, 79M, 80, 81, 82, 83, 84, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122/1, 122/2, 123, 125, 126M, 127M, 128, 129, 133M. Villages Sankarpur Sarai, Kanhwapur, Manbhauna, Unnao, M/s Uttar Pradesh State Industrial Development Authority.
2. The environmental clearance for Special Economic Zone (SEZ) was issued by SEIAA, U.P. vide letter no. 1079/SEAC/269/2008-09/AD(H), dated 04/05/2011 for an area of 560.86 acres.

3. Due to change in concept and design of the project, UPSIDA proposed to developed Integrated Industrial Township “Trans Ganga City” and environmental clearance was issued for the revised project by SEIAA, U.P. vide letter no. 1714/Parya/1932/SEAC/2013/AD(H), dated 03/11/2014 for the plot area 47,10,971 sqm (1164.1 acres) and built up area 63,38,663.6 sqm.

4. Brief description of the project:

S.No	Particulars	Details
1	Brief Description about the Project	DEVELOPMENT OF INTEGRATED INDUSTRIAL TOWNSHIP “TRANS GANGA CITY” in Sankarpur Sarai, Kanhwapur, Manbhauna villages of Bighapur Tehsil Unnao District.
2	Total area of IP	463.0 Ha(1144.1 Acres).
3	% of green belt provided	Total green belt area of 102.93 Ha(254.35 Acres) which is 22.23%.Balance 11% will be provided by individual industries within the plot area.
4	Land use change required	Existing land is converted to industrial area
5(a)	Sources of Air Pollution & Control Measures	Sources : The major source of emission will be from DGs from individual industries Control Measures DG sets and boilers will be provided with adequate stack heights for dispersion of pollutants as per CPCB/UPPCB guidelines by individual industries. Based on the Air Quality Modeling during EIA study, The industries will be mandated to provide additional Air Pollution control measures if necessary
5(b)	Sources Noise Pollution	Sources: DG sets Vehicular movement Air Compressors from individual industries Control Measures: 33 % greenbelt will be developed as a measure to attenuate the noise levels within the Industrial Park. Personal Protective Equipments (PPE) such as earplugs, earmuffs will be provided to the workers working in high noise level areas by individual industries.
6	Estimated Project Cost	INR. Rs.2520 Crores.
7	Manpower (Nos)	Construction phase – 500 nos. Operation phase -1,89,730 nos. for operation phase. (i.e., Residence & staff 1,43,633 and industrial & visitors 46,097 Nos.).
8	Water Consumption Water Balance	Construction Phase : 100 KLD (Private tankers) Operational Phase : Total water requirement for the project is 21.46 MLD. .
9	Source of water	For Drinking water supply, UPSIDA applied CGWA permission for utilization of groundwater. Individual industries will get water from Municipal Supply and partly from tankers.
10	Energy Consumption	45.68 MVA
11	DG Set Capacity	5 Nos. of 1000 kVA and 2 Nos. of 500 kVA and 4 numbers of 250 kVA
12	Fuel type	HSD - DGs by Individual industries Coal/ HSD – Boiler by individual industries
13	Wastewater generation & Treatment	Sewage generated is about 17.16 MLD. Two STPs are proposed to be established at East and West of the layout with a capacity of 5.4 MLD at East STP and 14.4 STP at West STP
14	Mode of discharge/ reuse	Treated sewage - Green belt development by individual industries Treated effluent – Industrial effluents will be treated by individual industries and ZLD should be maintained.

5. Geo coordinates of the proposed site:

S.No	Latitude(N)	Longitude(E)
1	26° 31' 12.516"	80° 23' 3.511"

2	26° 31' 6.888"	80° 23' 0.809"
3	26° 30' 56.666"	80° 22' 52.632"
4	26° 30' 50.319"	80° 22' 47.852"
5	26° 30' 36.482"	80° 22' 45.858"
6	26° 30' 35.113"	80° 22' 38.53"
7	26° 30' 35.291"	80° 22' 31.429"
8	26° 31' 13.18"	80° 21' 38.006"
9	26° 31' 33.583"	80° 20' 55.949"
10	26° 31' 40.509"	80° 20' 50.869"
11	26° 31' 48.955"	80° 20' 59.058"
12	26° 31' 43.844"	80° 21' 11.721"
13	26° 31' 51.858"	80° 21' 18.401"
14	26° 31' 51.923"	80° 21' 23.024"
15	26° 31' 57.808"	80° 21' 22.746"
16	26° 32' 6.806"	80° 21' 10.052"
17	26° 32' 15.646"	80° 21' 15.981"
18	26° 32' 23.403"	80° 21' 8.546"
19	26° 32' 29.424"	80° 21' 11.3"
20	26° 32' 32.602"	80° 21' 9.463"
21	26° 32' 39.865"	80° 21' 24.17"
22	26° 32' 38.176"	80° 21' 28.168"
23	26° 32' 47.137"	80° 21' 44.308"
24	26° 32' 39.088"	80° 21' 48.392"
25	26° 32' 26.639"	80° 21' 41.583"
26	26° 32' 22.617"	80° 21' 46.611"
27	26° 32' 13.905"	80° 21' 47.378"
28	26° 32' 3.274"	80° 21' 42.454"
29	26° 31' 57.636"	80° 21' 51.597"
30	26° 31' 52.062"	80° 21' 59.395"
31	26° 31' 39.705"	80° 21' 59.933"
32	26° 31' 36.882"	80° 22' 6.362"
33	26° 31' 27.383"	80° 22' 8.62"
34	26° 31' 23.143"	80° 22' 14.95"
35	26° 31' 13.588"	80° 22' 11.209"
36	26° 31' 13.483"	80° 22' 30.815"
37	26° 31' 22.658"	80° 22' 41.388"
38	26° 31' 20.545"	80° 22' 52.51"

6. List of water bodies within 15 km radius from the project site as submitted by UPSIDA:

Water Bodies	Dist(km)	Direc
Ganga R	0.05	S
Gojhwa Tal/Madni Nadi	3.39	N
Ganda Nala	3.95	ESE
Karan Minor	6.04	E
Patari Distributary	6.06	ENE
Kalyani Nadi	6.23	NW
Kalianpur Distributary	6.61	SSW
Akrampur Minor	6.61	E
Dabka Nala	7.39	SSE
Ishriganj Minor	7.81	W
Khajuri Minor	8.63	SW
Unnao Branch	8.67	E
Husainnagar Minor	9.47	E
Baikunthpur Pump Canal	9.5	W
Unnao Minor	9.7	ENE
Non Nadi	9.77	NW
Thana Minor	9.81	NE
Kanpur Branch Canal/Halwakhanda Distributary	10.16	SSW

Kampanibagh Minor	10.2	E
Bazidpur Minor	10.55	ENE
Fatehpur Branch Canal	10.94	SW
Shivarajipur Distributary	11.15	NW
Gujeni Minor	11.19	SW
Ganda Canal	11.25	SSE
Right Ranjitpur Distributary	11.64	SW
Pandu Nadi	12.48	SSW
Sinohupur Minor	12.56	NE
Bamhnan Distributary	12.73	NNW
Left Ranjitpur Distributary	12.76	WNW
Ninbha Canal/Kapli Minor	12.78	W
Chaubepur Distributary	12.9	WNW
Ganda Drain/ Loni Nadi	13.05	E
Pura Minor	13.16	NE
Mau Minor	13.77	NE
Tikra Minor	14.03	W
Moghalpur Minor	14.09	ESE
Korari Minor	14.22	ESE
Hardaspur Minor	14.33	WNW

7. Area breakup of the project:

Sl. No:	Land Breakup	Area in Ha.	Percentage
1. RESIDENTIAL			
a.	Plots	97.91	8.56
b.	Group Housing	44.96	3.93
c.	Industrial Housing	14.45	1.26
Subtotal (a+b+c)		157.32	13.75
2. INDUSTRIAL			
a.	Industrial Plots	103.89	9.09
b.	Special Flatted Factory	14.90	1.30
c.	Flatted Factory	26.82	2.34
Sub Total (a+b+c)		145.61	12.73
3. FACILITIES (Amenities, Commercial, Institutional, Utilities, etc.)			
a.	Amenities (Including with commercial)	45.79	4.00
b.	Institutional	29.42	2.57
c.	Site Office, Auto Expo Center	9.76	0.25
d.	Type – M Plots	100.36	8.77
e.	Main Receiving Sub Station, Sub Station, Sewerage Treatment Plant, Underground water tank	32.82	2.87
Sub Total (a+b+c+d+e)		238.15	19.06
4.	Land Reserved for mixed use plots to be given farmers whom the land was acquired from	61.27	5.36
5.	Master Plan Green, Golf Course, Park	271.21	23.71
6.	Roads	290.54	25.39
Sub Total (4+5+6)		623.02	54.46
GRAND TOTAL		1144.1	100

8. Details of proposed industry under the project:

Type of Industries	Sub-Category of Industries	Categorization as per EIA Notification 2006 and amendment there after	AP Score	WP score	Pollution Index score	Categorization (CPCB, 2016/UPPCB,2019)
Electronic system design & Manufacturing						
Defence & Avionics	Defence and Avionics	Exempted	No Pollution	No Pollution	Not included in CPCB	Not included in CPCB Industrial

assembly	assembly				Industrial classification, 2016	Classification, 2016.
Electrical Circuits, semi-conductors manufacturing	Electrical circuits, semi conductors manufactures	Exempted	No Pollution	No Pollution	Not included in CPCB Industrial classification, 2016	Not included in CPCB Industrial Classification, 2016.
Medical Equipment	Medical Equipment	Exempted	No Pollution	No Pollution	Not included in CPCB Industrial classification, 2016	Not included in CPCB Industrial Classification, 2016.
Liquid Crystal	Liquid Crystal	Exempted	No Pollution	No Pollution	Not included in CPCB Industrial classification, 2016	Not included in CPCB Industrial Classification, 2016.
Solar Panel	Solar module non-conventional energy apparatus manufacturing unit	Exempted	No Pollution	No pollution	Zero	White (Sl.No:34)
Leather Articles and Wearing Apparel						
Wearing Apparels	Cotton and woolen hosiers making (Dry process only without any dying/washing operation)	Exempted	No pollution	No pollution	Nil	White (Sl.No:10)
Wearing apparels	Cotton spinning and weaving (small scale)	Exempted	10	No pollution	25	Green (Sl.No:15)
Foot ware	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	Exempted	10	No pollution	25	Green (sl.No:26)
Garment based handcraft	Embroidery	Exempted	No pollution	No pollution	Nil	White (Sl.No:16 UPPCB List)
Leather Bags manufacturing	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	Exempted	10	No pollution	25	Green (sl.No.26)
Medicine and Medical Consumables						
Drug Formulation	Pharmaceuticals formulation and for R&D purpose (for	Exempted	20	20	55	Orange (Sl.No: 74)

	sustained release/extended release of drugs only and not for commercial purpose)					
Ayurvedic medicines	Ayurvedic and homeopathic medicine based on gas fuel	Exempted	10	20	37.5	Green (Sl.No:8 UPPCB list)
Medical consumables	Medical Oxygen	Exempted	No Pollution	No Pollution	Nil	White (Sl.No>26)
Medical consumables	Surgical and medical products assembling only (not involving effluent / emission generating processes)	Exempted	No pollution	No pollution	Nil	White (Sl.No.36)
Machinery & Equipment						
Transformer Assembly	Manufacturing of transformers without polychlorinated Hydrocarbons	Exempted	Nil	Nil	Nil	White (Sl.No:33)
Electrical Panel Assembly	Electrical and Electronic item assembling (completely dry process)	Exempted	No Pollution	No Pollution	Nil	White (Sl.No: 13)
Transmission Equipment (Isolator, Insulator, Bus Bar)	(Isolator, Insulator manufacturing ceramics unit)	Exempted	10	Nil	25	Green (Sl.No:9)
Transmission Equipment (Isolator, Insulator, Bus Bar)	Casting, Alloy making	Exempted	15	Nil	33.5	Green (Sl.No:20)
Pumps, Machine tools, Hand tools, Sewing Machine	Casting Forging, Surface Finishing of Metal	Exempted	15	Nil	33.5	Green (Sl.No:20)
Food & Beverages						
Packaging of Powered Milk	Electrical and Electronic item assembling (completely dry process)	Exempted	No pollution	No Pollution	Nil	White (Sl.No:29)
Aerated Drinks	Food & Food processing including fruits & vegetables processing based on gas based boiler	Exempted	10	20	37.5	Green (Sl.No.5)
Fruit based drinks						
Snacks (Potato based),						

Biscuits, Frozen foods						
Confectionery	Bakery & confectionary unit with production capacity > 1 TPD (with gas based ovens/furnaces or based on electricity)	Exempted	10	20	37.5	Green (Sl.No.2)
Dairy based industries	Dairy and dairy products (small scale) having gas based electricity)	Exempted	10	20	37.5	Green (Sl.NO:10)
Confectionery / sweets	Small petha /sweets manufacturing unit based on gas as fuel	Exempted	No pollution	12	30	Green (Sl.No:16)

9. The total quantity of water required for domestic purpose will be 21.46 MLD. Internal bore wells will be used for meeting the drinking water requirement for residential water usage. Individual industries will get water through tankers and also from municipal water supply after obtaining required permissions from the municipal authorities to meet their requirements
10. Sewage generated is about 17.16 MLD. Two STPs are proposed to be established at East and West of the layout with a capacity of 5.4 MLD at East STP and 14.4 STP at West STP. Treated sewage will be used for green belt, Land scaping, air conditioning make up.
11. Industrial effluents will be treated by each individual industries and ZLD should be maintained.
12. Municipal solid waste details:

S. No	Waste category	Quantity (kg/day)		Disposal Method
		Construction phase	Operation phase	
1	Organic waste	40.5	51,227	Individual industries will segregate the waste and organic waste will be composted and used as manure.
2	Inorganic waste	37	34,151	Sold to U.P.P.C.B authorized recyclers

13. The project proposal falls under category-8(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended to issue the additional and standard terms of reference (TOR) for the preparation of Environment Impact Assessment Report:

Additional Terms of Reference:

1. Drone videography of the project site to be submitted and present it at the time of EIA presentation.
2. Certified compliance report of the Regional office LKO, MoEFCC as per circular dated 30/05/2012 on the status of compliance of conditions stipulated in the existing environmental clearance issued vide letter no 1714/Parya/1932/SEAC/2013/AD (H) dated 03/11/2014.

3. UPSIDA to provide a facility for electronic waste recycling in an 'Integrated Industrial Township' and submit the detailed plan for the same and present it at the time of EIA presentation.
4. UPSIDA to provide the captive facility of Municipal Solid Waste and hazardous waste treatment and disposal to its residential and industrial township. The location of the site and area for MSW and Hazardous Waste in the layout plan to be located.
5. UPSIDA to provide the Common Effluent Treatment Plant (CETP) on the basis of Zero Liquid Discharge (ZLD) technology for the industrial waste in view of Ganges River.
6. UPSIDA to submit a report on existing plantation at site report. Revised detailed plan for Plantation as per MIYAWAKI plantation method to be submitted and presented.
7. Revised plan for conservation of water and to replenish ground water resources of area, rainwater harvesting system as well as recharging system to be submitted and presented.
8. UPSIDA shall provide the dual pipeline network in the project for utilisation of treated water of STP and CETP for different purposes and also provide the monitoring mechanism for the same.
9. UPSIDA to provide the revised list of industries as per discussion held during the meeting dated 17/06/2022.

Standard terms of reference:

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.

15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
 16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
 17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
 18. Examine the details of transport of materials for construction which should include source and availability.
 19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
 20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
 21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 23. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
 24. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
 25. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "parivesh.nic.in".
8. **Expansion of manufacturing of synthetic organic chemicals under Violation Category at Plot No. A-20, UPSIDC, Phase-2, Industrial Area Sandila, Hardoi, M/s The Lakshmiiji Organics Pvt. Ltd. File No. 7123/Proposal No. SIA/UP/IND3/77518/2022**

RESOLUTION AGAINST AGENDA NO. 08

The committee observed that the project proponent/consultant has applied for “Expansion of manufacturing of synthetic organic chemicals at Plot no. A-20, UPSIDC, Phase-2, Industrial Area Sandila, Hardoi, U.P., M/s The Lakshmiiji Organics Pvt. Ltd.” under Violation Category. The committee discussed the matter and opined that the project under violation category cannot be considered with the expansion. The Proposal No. SIA/UP/IND3/77518/2022 (File no. 7123) is to be rejected. Hence, the committee opined that the project proponent needs to be directed to submit a fresh application under violation category for the existing unit.

9. **Residential Complex "Gulmohar Residency" at Khasra No.-527/1, 519, Village-Kanawani, Ghaziaba., Shri Vijay Jindal, M/s SVP Builders (I) Ltd. File No. 4881/4222/Proposal No. SIA/UP/MIS/108734/2018**

The committee noted that the matter was earlier discussed in 632nd SEAC meeting dated 03/03/2022 decided is as follows:

"The committee went through the inspection report and also interacts with Dr. Amrit Lal Haldar, Member SEAC-2 and opined that the project proponent should present before SEAC and make presentation regarding the project. The committee directed the Secretariat to list the matter in upcoming SEAC meeting and inform the project proponent accordingly."

As per the above decision, the matter was scheduled in 664th SEAC meeting dated 17/06/2022 and The Secretariat has informed the project proponent/consultant accordingly but the project proponent/consultant did not appear in the meeting. Hence, the committee opined to defer the matter and the matter shall be listed after request received from project proponent.

(Prof. Jaswant Singh)
Member, SEAC-2

(Dr. Amrit Lal Haldar)
Member, SEAC-2

(Dr. Dineshwar Prasad Singh)
Member, SEAC-2

(Tanzar Ullah Khan)
Member, SEAC-2

(Dr. Shiv Om Singh)
Member, SEAC-2

(Dr. Harikesh Bahadur Singh)
Chairman, SEAC-2

(Ashish Tiwari)
Member-Secretary, SEAC-2

Nodal, SEAC-2

MoM prepared by Secretariat in consultation with Chairman & Members on the basis of decisions taken by SEAC-2 during the meeting.

Annexure-1

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.