

Minutes of 385th SEAC Meeting Dated 05/02/2019

The 385th meeting of SEAC was held in Directorate of Environment, U.P. on 05/02/2019 following members were present in the SEAC:

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

The Chairman welcomed the members to the 385th SEAC meeting.

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

- 1. Sand Mining from River Bed of Yamuna at Gata No.-20, Village- Fulwa, Bisauna&Jonhwal, Tehsil- Sadar, Distt.- Allahabad, U.P.,M/s Laxmi Construction, (Leased Area-8.0 Ha) File No. 4010/Proposal No. SIA/UP/MIN/72444/2018**

RESOLUTION AGAINST AGENDA NO-01

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

- 2. Proposed Rive Sand/morrum mining project M/s Shiva BuildtechPvt Ltd (Auth. Signatory : Ashok Jain)(Total lease area - 20.34 ha)Gata No. 621 ma, 622 ma Village -Mandawar - 3, Tehil - Kairana, District -Shamli - Uttar Pradesh (Production Capacity - 2, 03,400 sqm /year) File No. 4468/Proposal No. SIA/UP/MIN/ 28888/2018**

The committee noted that the matter was earlier discussed in 370th SEAC meeting dated 14/11/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 02/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

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

- 1- The environmental clearance is sought for Rive Sand/morrum mining project at Gata No. 621 ma, 622 ma Village -Mandawar - 3, Tehil - Kairana, District -Shamli - Uttar Pradesh (Total leased area - 20.34 ha), M/s Shiva BuildtechPvt Ltd.

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

1. On-line proposal No.	SIA/UP/MIN/28888/2018		
2. File No. allotted by SEIAA, UP	4468		
3. Name of Proponent	Ashok Jain M/s Shiva Buildtech Pvt Ltd		
4. Full correspondence address of proponent and mobile no.	419 Aapka Bazaar, Gurgaon.		
5. Name of Project	Mandawar 3, (Area 20.34 ha) sand/morrum mine on Yamuna River		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 621 ma, 622ma, Village – Mandawar 3, Tehsil – Kairana, District – Shamli, State – Uttar Pradesh		
7. Name of River	Yamuna River		
8. Name of Village	Mandawar 3		
9. Tehsil	Kairana		
10. District	Shamli		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	20.34 Hectares		
13. Mineable Area (in Ha.)	19.9702 Hectares		
14. Zero level mRL	231 m		
15. Max. & Min mrl within lease area	232 - 236 mRL		
16. Pillar Coordinates (Verified by DMO)	Total Sanctioned Area (20.34)		
	Point	Latitude	Longitude
	A	29°27'21.79"N	77°8'15.08"E
	B	29°26'57.48"N	77°8'13.42"E
	C	29°26'57.65"N	77° 8'03.35"E
	D	29°27'21.67"N	77° 8'04.79"E
	Total Workable Area (19.9702 Ha)		
	Block 1 (19.5595 Ha)		
	B	29°26'57.48"N	77°8'13.42"E
	C	29°26'57.65"N	77° 8'03.35"E
	D	29°27'21.67"N	77° 8'04.79"E
	E	29°27'21.56"N	77° 8'10.54"E
	F	29°27'17.69"N	77° 8'14.96"E
	Block 2 (0.4107 Ha)		
	A	29°27'21.79"N	77°8'15.08"E
	G	29°27'19.03"N	77°8'15.13"E
	H	29°27'21.62"N	77°8'13.28"E
	Total Submerged Area (0.3698 Ha)		
	E	29°27'21.56"N	77° 8'10.54"E
	F	29°27'17.69"N	77° 8'14.96"E
	G	29°27'19.03"N	77°8'15.13"E
	H	29°27'21.62"N	77°8'13.28"E
17. Total Geological Reserves	5,99,106 m ³		
18. Total Mineable Reserves in LOI	2,03,400 m ³		
19. Total Proposed Production	10,17,000 m ³		
20. Proposed Production/year	2,03,400 m ³ /Year		
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	814 m ³ /Day		
23. Method of Mining	Opencast Semi-mechanized mining		
24. No. of working days	250 days/ Year		
25. Working hours/day	12 Hours		

26. No. Of workers	60	
27. No. Of vehicles movement/day	91	
28. Type of Land	Govt. Land	
29. Ultimate Depth of Mining	1.25 m	
30. Nearest metalled road from site	515 m	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.60
	Suppression of dust	2.47
	Plantation	7.64
	Others (if any)	0.00
	Total	10.71
32. Name of QCI Accredited Consultant with QCI No and period of validity.	GreencIndia Consulting Pvt. Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2019	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	2072/Kha.Vi. - (2018), Dated: 23/07/2018	
35. Details of Lease Area in approved DSR	20.34 Hectares	
36. Length and breadth of Haul Road	Length 515 m, Width 6.0 m	

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

RESOLUTION AGAINST AGENDA NO-02

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes.

3. Proposed Sand Mining Project at Yamuna River Bed at Gata no- 33, 34, 38, 39, 50, 51, 56, 57, khnad No. S.P.- 1 & 2, Village- Salempur, Tehsil- Khaga, District- Fatehpur, U.P. ,(Leased Area-30.36 Ha) File No. 4549/Proposal No. SIA/UP/MIN/29663/2018

The committee noted that the matter was earlier discussed in 375th SEAC meeting dated 11/12/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 03/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

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

- 1- The environmental clearance is sought for proposed Sand Mining Project at Yamuna River Bed at Gata no- 33, 34, 38, 39, 50, 51, 56, 57, khnad No. S.P.- 1 & 2, Village- Salempur, Tehsil- Khaga, District- Fatehpur, U.P. ,(Leased Area-30.36 Ha).
- 2- Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/29663/2018
----	----------------------	-----------------------

2.	File No. Allotted By SEIAA, UP	4549															
3.	Name Of Proponent	M/s Aditya Building Material Supplier and Contractor, Prop. Smt. Madhubala w/o Shri Manish Ojha, R/o – Shyam colony Visunipur near Bhagwatiganj, District Balrampur.															
4.	Full Correspondence Address Of Proponent And Mobile Number	M/s Aditya Building Material Supplier and Contractor, Prop. Smt. Madhubala w/o Shri Manish Ojha, R/o – Shyam colony Visunipur near Bhagwatiganj, District Balrampur.															
5.	Name of Project	Moram mining at Yamuna river bed in Gata No.- 33,34,38,39,50,51,56,57 of Khand No. S.P. 1 & 2 in Village- Salempur, Tehsil Khaga, District -Fatehpur, U.P (Area 30.36 Ha).															
6.	Project Location (Plot/Khasra/Gata No.)	Gata No.- 33,34,38,39,50,51,56,57 of Khand No. S.P. 1 & 2 in Village- Salempur, Tehsil Khaga, District -Fatehpur, U.P															
7.	Name Of River	Yamuna River															
8.	Name Of Village	Salempur															
9.	Tehsil	Khaga															
10.	District	Fatehpur															
11.	Name Of Minor Mineral	Moram															
12.	Sanctioned Lease Area In Ha	30.36 Ha															
13.	Mineable Area In Ha	24.318Ha															
14.	Zero Level mRL	78.00 mRL															
15.	Max. & Min mRL Within Lease Area	Max 83.10 mRL , Min 78.10 mRL															
16.	Pillar Coordinates (Verified By DMO)	<table border="1"> <thead> <tr> <th>Pillar</th><th>Lat.</th><th>Long.</th></tr> </thead> <tbody> <tr> <td>A</td><td>25°30.262'N</td><td>81°09.680'E</td></tr> <tr> <td>B</td><td>25°30.165'N</td><td>81°10.177'E</td></tr> <tr> <td>C</td><td>25°29.970'N</td><td>81°10.173'E</td></tr> <tr> <td>D</td><td>25°30.068'N</td><td>81°09.660'E</td></tr> </tbody> </table>	Pillar	Lat.	Long.	A	25°30.262'N	81°09.680'E	B	25°30.165'N	81°10.177'E	C	25°29.970'N	81°10.173'E	D	25°30.068'N	81°09.660'E
Pillar	Lat.	Long.															
A	25°30.262'N	81°09.680'E															
B	25°30.165'N	81°10.177'E															
C	25°29.970'N	81°10.173'E															
D	25°30.068'N	81°09.660'E															
17.	Total Geological Reserve	810600 cum															
18.	Total Mineable Reserve in LOI	455400 cum															
19.	Total Proposed Production in 05 years	2277000 cum															
20.	Proposed Production/year	455400 cum															
21.	Sanctioned Period of Mine Lease	5 years															
22.	Production Of Mine/Day	1687 cum															
23.	Method of Mining	Manual and Semi Mechanized															
24.	No. of Working Days	270															
25.	Working Hours/Day	08 hrs max, Day Time															
26.	No. of Workers	58															
27.	No. of Vehicles Movement/Day	40-50 Trucks/Trolleys twice a day															
28.	Type Of Land	Govt. /non forest River Bed															
29.	Ultimate Depth of Mining	1.9 m															
30.	Nearest Metalled Road From Site	430 m															
31.	Water Requirement	13 KLD (Drinking Water 2.0 KLD, Dust Suppression 9.5 KLD, Plantation 1.5 KLD)															
32.	Name of the QCI Accredited Consultant With QCI No. And Period Of Validity	GEOGREEN ENVIRO HOUSE PVT LTD, LUCKNOW NABET/EIA/1720/IA0023 Valid till April 02, 2020															
33.	Any Litigation Pending Against The Project Or Land In Any Court.	No															
34.	Details Of 500m Cluster Map & Certificate Verified By Mining Officer	Letter No. 294/30-Khanij (2018-19) dated 19.12.2018															
35.	Details Of Lease Area In Approved	Table No 07, S.No. 19, Page 36															

	DSR	
36.	Proposed CSR Cost	400000.0
37.	Propose EMP Cost	866000.0
38.	Length And Breadth of Haul Road	430 m X 6 m
39.	No. of trees to be planted	80 Saplings

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

RESOLUTION AGAINST AGENDA NO-03

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes.

4. Beri Sand Deposit on Betwa River (30.364 Ha) at Khasra No.- 10/20,Village- Beri, Tehsil- Hamirpur, Distrect- Hamirpur, U.P., M/s Esteem Infra Build Pvt. Ltd., (Leased Area-30.364 Ha) File No. 4086/Proposal No. SIA/UP/MIN/ 22099/2018

The committee noted that the matter was earlier discussed in 377th SEAC meeting dated 19/12/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 08/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

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

- 1- The environmental clearance is sought for Beri Sand on Betwa River at Khasra No. 10/20,Village- Beri, Tehsil- Hamirpur, Distrect- Hamirpur, U.P., M/s Esteem Infra Build Pvt. Ltd., (Leased Area-30.364 Ha).
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/22099/2018
2. File No. allotted by SEIAA, UP	4086
3. Name of Proponent	Satish Kumar Gupta (Authorized Signatory)
4. Full correspondence address of proponent and mobile no.	M/s Esteem Infra Build Pvt. Ltd. Plot No.- 315 Nemi Nagar, Extension - Vaishali Nagar, Jaipur Rajasthan
5. Name of Project	Beri 10/20 (area 30.364 ha sand/morrum mine) on Betwa river
6. Project location (Plot/Khasra/Gata No.)	Gata No 10/20, Village - Beri, Tehsil- Hamirpur, District- Hamirpur of Uttar Pradesh.
7. Name of River	Betwa River
8. Name of Village	Beri
9. Tehsil	Hamirpur
10. District	Hamirpur
11. Name of Minor Mineral	Sand/Morrum

12. Sanctioned Lease Area (in Ha.)	30.364 Hectares		
13. Mineable Area (in Ha.)	25.3084 Ha.		
14. Zero level mRL	87 m		
15. Max. & Min mrl within lease area	90-88 m.		
16. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	A	25°52'40.96"N	79°54'49.51"E
	B	25°52'19.04"N	79°54'51.71"E
	C	25°52'19.26"N	79°54'35.10"E
	D	25°52'44.67"N	79°54'37.01"E
17. Total Geological Reserves	8,70,195 m ³		
18. Total Mineable Reserves in LOI	4,85,760 m ³		
19. Total Proposed Production	24,28,800 m ³		
20. Proposed Production/year	4,85,760 m ³ /Year		
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	1943 m ³ /Day		
23. Method of Mining	Opencast Semi-mechanized mining		
24. No. of working days	250 days/ Year		
25. Working hours/day	12 Hours		
26. No. Of workers	83		
27. No. Of vehicles movement/day	194		
28. Type of Land	Govt. Land		
29. Ultimate Depth of Mining	2.0 m		
30. Nearest metaled road from site	1100 m		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.83	
	Suppression of dust	5.28	
	Plantation	11.26	
	Others (if any)	-	
	Total	17.37	
32. Name of QCI Accredited Consultant with QCI No and period of validity.	GreencIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2019		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	612 / Khanij-M.M.C-TEES-VIVID (2018-19), Dated: 16 th July, 2018.		
35. Details of Lease Area in approved DSR	Table no 20 S. No. 73 Page No 62		
36. Length and Width of Haul Road	Length 1100 m, Width 6.0 m		

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

RESOLUTION AGAINST AGENDA NO-04

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as

annexed at annexure 2 & 3 to these minutes regarding mining project. The committee also stipulated following specific conditions:

- 1- The instrumental predication of the PM2.5 & PM10 due to fugitive emission shall be submitted carrying out air quality modeling.
- 2- Crosswind air quality data should be provided at least two locations within 500 m radius of the mining lease. The frequency of monitoring procedure remains the same.
- 3- As the ambient air quality of the area has to already exceed the stipulated limit in same of the monitoring data. Therefore as specific EMP to control fugitive air emission specifically for PM2.5 & PM10 shall be submitted. The project proponent shall submit all the relative report within 45 days otherwise the Environmental Clearance shall deemed to be cancelled.
- 4- No mining activity should be carried out in-stream channel as per SSMMG, 2016.
- 5- Pakka motorable haul road to be maintained by the project proponent.
- 6- 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.
- 7- Permission from the competent authority regarding evacuation route should be taken.
- 8- Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
- 9- Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
- 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- Provide suitable mask to the workers.
- 14- Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
- 15- Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
- 16- The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
- 17- Provision for two toilets and hand pumps should be made at mining site.
- 18- Drinking water for workers would be provided by tankers.
- 19- 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.
- 20- A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
- 21- Corporate Environmental Responsibility (CER) plan with minimum 2% of the project cost 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. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers, Sonbhadra, U.P.
- 22- 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.

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

5. Proposed Riverbed Sand/Morrum Mining Project from Ganga River located at Gata No.-286, Village - KatariPariyar, Tehsil & District- Unnao, U.P.i, U.P., Sanctioned Lease Area - 26.0566 Ha. File No. 4574/Proposal No. SIA/UP/MIN/ 29936/2018

The committee noted that the matter was earlier discussed in 379th SEAC meeting dated 21/12/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 08/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

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

- 1- The environmental clearance is sought for proposed Riverbed Sand/Morrum Mining Project from Ganga River located at Gata No.-286, Village – Katari Pariyar, Tehsil & District- Unnao, U.P., (Leased Area - 26.0566 Ha).
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/29936/2018		
2. File No. allotted by SEIAA, UP	4574		
3. Name of Proponent	M/s Shyam Enterprises Authorized Signatory -Shri Gopal Pandey		
4. Full correspondence address of proponent and mobile no.	M/s Shyam Enterprises Proprietor- Shri Gopal Pandey S/o Shri Gauri Shankar Pandey, R/o H.No. Old 622, New 1000, D.S.N college Road, Tehsil - Unnao, District - Unnao, Uttar Pradesh		
5. Name of Project	Sand/Morrum Mining		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 286		
7. Name of River	Ganga		
8. Name of Village	Katari Pariyar		
9. Tehsil	Sadar		
10. District	Unnao		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in ha)	26.0566 ha		
13. Mineable Area (in ha)	26.0566 ha		
14. Zero level mRL	112 mRL		
15. Max. & Min mrl within lease area	118 mRL and 116 mRL		
16. Pillar Coordinates (Verified by DMO)	Sanctioned Area		
	Points	Latitude	Longitude
	A	26°36'56.46"N	80°17'13.23"E
	B	26°36'52.29"N	80°17'9.93"E
	C	26°36'52.76"N	80°17'8.71"E

	D	26°36'46.59"N	80°17'7.96"E
	E	26°36'43.44"N	80°17'4.36"E
	F	26°36'36.43"N	80°17'2.70"E
	G	26°36'36.08"N	80°17'1.28"E
	H	26°36'32.87"N	80°16'59.42"E
	I	26°36'32.76"N	80°17'1.13"E
	J	26°36'26.93"N	80°16'57.06"E
	K	26°36'24.55"N	80°16'56.35"E
	L	26°36'24.36"N	80°16'46.28"E
	M	26°36'38.82"N	80°16'51.67"E
	N	26°36'49.25"N	80°16'58.98"E
	O	26°36'55.26"N	80°17'8.35"E
17. Total Geological Reserves	13,02,830 m ³		
18. Total Mineable Reserves in LOI	5,86,191 m ³ /year		
19. Total Proposed Production	5,86,191 m ³ /year (29,30,955 m ³ in 05 years)		
20. Proposed Production/year	5,86,191 m ³		
21. Sanctioned Period of Mine lease	5 years		
22. Production of mine/day	2132 m ³ /day		
23. Method of Mining	Bar Scalping or Skimming method (Semi mechanized/ OTFM-Other than fully mechanized, as per IBM & SSMG, 2016) using: <ul style="list-style-type: none">• Scraper/light earth movers• Chain based Bulldozer for rescue & salvage• Loader• Truck & tractors for transportation		
24. No. of working days	275 days		
25. Working hours/day	12 hours		
26. No. Of workers	Approximately 54 labours		
27. No. Of vehicles movement/day	142 units		
28. Type of Land	Non – Agricultural, Government Waste Land (Revenue land)		
29. Ultimate Depth of Mining	3 m		
30. Nearest metalled road from site	MDR (Pariyar Road): 0.2 km*(E)		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.54	
	Suppression of dust	7.2	
	Plantation	0.06	
	Others (if any)	-	
	Total	7.86 KLD	
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1720/RA 0078 and Valid till 02/04/2020.		
33. Any litigation pending against the project or land in any court	None		
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Unnao Letter No.245/khanij- E Tender/ Katari Pariyar , Unnao dated 16/11/2018		
35. Details of Lease Area in approved DSR	Page No 01; Table No.01		
36. Proposed CER cost	2% of total project cost i.e. Rs.2,83,420/-		
37. Proposed EMP cost/ Total Project Cost	Rs 29,63,3500/- & 1,41,71,000/-		
38. Length and Width of Haul Road	600 m Length and 6 m width		
39. No. of Trees to be Planted	130		

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

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

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes.

6. Proposed River Bed Sand/ Morrum Mining at River Yumana Project at Khand No.- R-3, Gata No- 34 mi, 54, 55, 97, 96, 56, 53, 35, 95, 57, 58, 52, 51, 92, 91, 59, 60, 50, 89, 90, 62, 61, 49, Village- Ranipur, Tehsil- Khaga, District- Fatepur, U.P., Leased Area: 34.41 ha File No. 4605/Proposal No. SIA/UP/MIN/30429/2018

The committee noted that the matter was earlier discussed in 380th SEAC meeting dated 28/12/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 15/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

A presentation was made by the project proponent along with their consultant M/s Shri Environmental Technology Institute. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for proposed River Bed Sand/ Morrum Mining at River Yumana Project at Khand No.- R-3, Gata No- 34 mi, 54, 55, 97, 96, 56, 53, 35, 95, 57, 58, 52, 51, 92, 91, 59, 60, 50, 89, 90, 62, 61, 49, Village- Ranipur, Tehsil- Khaga, District- Fatepur, U.P., (Leased Area: 34.41 ha).
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/30429/2018		
2. File No .allotted by SEIAA,UP	4605		
3. Name of Proponent	Shri Abhishek Singh S/o Shri Jai Prakash Singh		
4. Full correspondence address of proponent and mobile no.	R/o Village-Shivpuri, Thana-Khakhareru, Tehsil-Khaga, District-Fatehpur		
5. Name of Project	Sand/Morrum Mining		
6. Project location (Plot/ Khasra /Gata No.)	Khand No.-R-3, at Gata No.- 34 Mi, 54, 55, 97, 96, 56, 53, 35, 95, 57, 58, 52, 51, 92, 91, 59, 60, 50, 89, 90, 62, 61, 49		
7. Name of River	Yamuna River		
8. Name of Village	Ranipur		
9. Tehsil	Khaga		
10.District	Fatehpur		
11. Name of Minor Mineral	Sand/Morrum Mining		
12. Sanctioned Lease Area (in Ha.)	34.41 Ha		
13. Mineable Area (in Ha.)	28.724 Ha		
14.Zero level mRL	78.0 mRL		
15.Max.&Min mrl within lease area	85.0 MRL to 82.0 mRL		
16.Pillar Coordinates(Verified by OMO)	Pillar No	Latitude (N)	Longitude (E)
	A	25°29'52.56"N	81°10'54.60"E
	B	25°29'40.68"N	81°11'12.60"E
	C	25°29'22.92"N	81°11'4.32"E

	D	25°29'34.20"N	81°10'48.60"E
17.Total Geological Reserves	8,60,130 m ³		
18.Total Mineable Reserves in LOI	5,16,150 M ³		
19.Total Proposed Production	5,16,150 M ³		
20.Proposd Production/year	5,16,150 M ³		
21.Sanctioned Period of Mine lease	5 Years		
22.Production of mine/day	2150.6 m ³		
23.Method of Mining	Opencast Semi Mechanized		
24.No.of working days	240 days		
25.Working hours/day	8 Hours/Day		
26.No.Of workers	127		
27.No.Of vehicle movement /day	Tractor trolly-90 and Tipper/Truck-33		
28.Type of Land	Govt. land Non Agriculture		
29.Ultimate Depth of Mining	3.0 M		
30.Nearest metalled road from site	Arai Village Metalled Road		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Domestic Water (8 LD for 110 Labourer and 30 LD for 17 Skilled Employees)	1.17	
	Suppression of dust (0.4 L per M2) two times a Day	14.40	
	Plantation (t (30)x w(10))	1.10	
	Others(if any)	0.00	
	Total	16.67	
32. Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Shri Environmental Technology Institute Stay Order from High court		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate Verified by Mining Officer	Letter No.225/30-Khaniz(2018-19) dated 14/11/2018		
35. Details of Lease Area in approved DSR	Page No. 36 Table No. 7, S.No. 18		
36. Proposed CSR cost	2.80 Lakh		
37. Proposed EMP cost	--		
38. Length and breadth of Haul Road.	Length-1.20 Km. Breadth-6.0 m		

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

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes.

7. **Proposed Riverbed Sand Mining Project from Tons River at Zone No./Gata No./ Khand No.- 72 ,Area- 10.117 ha (24.98 Acres) Village - GhatKatriManpur, Tehsil - Sadar, District - Farrukhabad, U.P. Leased Area - 10.117 ha. File No. 4500/Proposal No. SIA/UP/MIN/78416/2018**

RESOLUTION AGAINST AGENDA NO-07

The committee noted that the matter was earlier discussed in 379th SEAC meeting dated 21/12/2018 and the project proponent did not appear in the meeting. The project proponent through letter dated 19/01/2019 requested to list the matter in upcoming SEAC meeting. Hence, the matter listed in 385th SEAC meeting dated 05/02/2019.

A presentation was made by the project proponent along with their consultant M/s Shri Environmental Technology Institute. The committee discussed the matter and directed the project proponent to submit original cluster certificate in prescribed format issued by District Mining Officer.

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

8. **Proposed Riverbed Sand Mining Project from Tons River at Zone No./Gata No./ Khand No.- 1/3 ,Area- 10.117 ha (24.98 Acres) Village - GhatKatriManpur, Tehsil - Sadar, District - Farrukhabad, U.P. Leased Area - 10.117 ha File No. 4501/Proposal No. SIA/UP/MIN/78423/2018**

RESOLUTION AGAINST AGENDA NO-08

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

9. **Proposed Riverbed Sand Mining Project from Gomti River at Gata No.- 5/1 , Village - GayaghatMirihirivaa, Tehsil - Campierganj, District - Gorakhpur, U.P.. Leased Area - 24.281 ha File No. 4495/Proposal No. SIA/UP/MIN/78803/2018**

RESOLUTION AGAINST AGENDA NO-09

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

10. **Proposed Extraction of Sand/Morrum from river bed Yamuna at Zone No./Gata No/ Khand No.-38, 40, 41 and 42,Khand No.-07, Area- 12.0 ha. (29.64 Acres) Village- Daduakhadar, Tehsil- Baberu, Distt.- Banda, U.P.,M/s Sri FalgunGiri Mines, Lease Area: 24.28 Ha File No. 4635/Proposal No. SIA/UP/MIN/87919/2018**

RESOLUTION AGAINST AGENDA NO-10

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

11. Proposed Capacity Expansion of Sand Stone (Gitte- Pathhar, Khandas, Boulder) mine at Khasra No.- Plot No.- 1251, Area- 6.07 Ha (15.00 Acres) at Village- Kohdar, Tehsil- Meja, District- Allahabad, U.P. File No. 4641/Proposal No. SIA/UP/MIN/92231/2018

RESOLUTION AGAINST AGENDA NO-11

A presentation was made by the project proponent along with their consultant M/s Paramarsh. The committee discussed the matter and directed the project proponent to submit certified compliance report for earlier EC along with production quantity.

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

12. Proposed Stone Mining Project (Area- 6.603 Ha)at Gata No.- 119 Ka, 212 Ka, at Village- Mouja-Jatajuwa, Tehsil- Dudhhi, District- Sonbhadra, U.P. File No. 4618/Proposal No. SIA/UP/MIN/30524/2018

RESOLUTION AGAINST AGENDA NO-12

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

13. Proposed Sand/Morrum Mining Project from Yamuna River for Shri IndrasanMaurya at Khand No.- 7/17,Village-Rasulpur Byur, Tehsil-Chail, District- Kaushambi, U.P.,(L. Area-9 Ha, File No. 4626/Proposal No. SIA/UP/MIN/30587/2018

RESOLUTION AGAINST AGENDA NO-13

The project proponent did not appear. The committee discussed and deliberated that 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 request on prescribed online portal.

14. River Sand/ Morrum Mining Project at Khand No.- 10/1, Village- Beri, Tehsil- Hamirpur, District- Hamirpur. (Leased Area: 36.437 ha). File No. 4636/Proposal No. SIA/UP/MIN/30727/2019

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for Sand/ Morrum Mining Project at Khand No.- 10/1, Village- Beri, Tehsil- Hamirpur, District- Hamirpur, U.P. (Leased Area: 36.437 ha).
- 2- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/30727/2019
2. File No. allotted by SEIAA, UP	4636
3. Name of Proponent	Uma Builder (Shri Manish Tiwari)

4. Full correspondence address of proponent and mobile no.	R/o- A- 184 Awash Vikas Colony Itawa U.P		
5. Name of Project	90.00 acre (36.437 HA) on Betwa River for Sand/Morrum Mining Project at Khand NO. 10/1 Village- Beri, Tehsil- Hamirpur, District- Hamirpur U.P.		
6. Project Location(Plot.Khsra/Gata No.)	Khand No/Gata No- 10/1		
7. Name of River	Betwa River		
8. Name of Village	Beri		
9. Tehsil	Hamirpur		
10. District	Hamirpur		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	36.437 Ha.		
13. Max. & Min mRL within lease area	105.0 mRL & 98.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	A	25°53'31.29"N	79°56'41.89"E
	B	25°53'43.45"N	79°57'0.33"E
	C	25°53'36.50"N	79°57'16.82"E
	D	25°53'19.53"N	79°56'58.84"E
15. Total Geological Reserves	10,66,780 m ³ /Annum		
16. Total Mineable Reserve in LOI	5,82,912 m ³ /Annum		
17. Total Proposed Production	5,82,912 m ³ /Annum		
18. Proposed Production /year	Year	Production	
	1 St	5,82,912 m ³ / Annum	
	2 nd	5,82,912 m ³ / Annum	
	3 rd	5,82,912 m ³ / Annum	
	4 th	5,82,912 m ³ / Annum	
	5 th	5,82,912 m ³ / Annum	
	Total	29,14,560 m ³	
19. Sanctioned Period of Mine lease	5 Years		
20. Production of mine/day	2591 m ³ /Day		
21. Method of Mining	Open cast Manual / Semi Mechanized Mining Method /Bar Scalping or Skimming Method (as per IBM Rules & SSMMG, 2016 MoEF & CC ,GOI)		
22. No. of working days	225 Days		
23. Working hours/day	8 Hours		
24. No. of worker	150 Worker		
25. No. of vehicles movement/day	288 Trucks / Day		
26. Type of Land	River Bed (Govt. Land)		
27. Ultimate of Depth of Mining	2.50 m		
28. Nearest metalled road from site	1.50Km Approx		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	1.50	
	Suppression of dust	14.40	
	Plantation	4.80	
	Others (if any)		
	Total	20.7 (21.0) KLD	
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.87 Period of Validity- 31-01-2021		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Certificate verified	Letter No869/Khanij-MMC-30Vividh/18-19		

by Mining Officer	Date-26.9.18
33. Details of Lease Area in approved DSR	Page No62 Table No-20 (Sr. No 66)
34. Proposed CER cost	4.22 Lac
35. Proposed EMP cost	28.85Lac
36. Length and breadth of Haul Road	1200 mtr Length & 6m width haulage road
37. No. of Trees to be Planted	1202 Trees

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

RESOLUTION AGAINST AGENDA NO-14

The committee discussed the matter in light of MOEFCC Notification dated 15/01/2016 and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes.

Any other matter with the permission of Chairman :

15. Construction of 4 Lane Bundelkhand Expressway (expandable to 6 lane), District-Gurgaon, Chitrakoot, Banada, Hamirpur, Mahoba, Jalaun, Auraiya and Etawah File No. 4632/Proposal No. SIA/UP/MIS/30619/2019

RESOLUTION AGAINST AGENDA NO-15

The project proponent through oral requested to defer the matter in next SEAC meeting. The committee discussed the matter and directed to defer the matter on request. The matter will be discussed only after submission of further online request on prescribed online portal.

16. Proposed Project IT/ITES Park "Infosys- Noida Campus" at Plot No.- A- 01 to A-06, Sector- 85, Noida, U.P., District- Gautam Budha Nagar, M/s Infosys Ltd. File No. 4620/ 4419/Proposal No. SIA/UP/NCP/ 30547/2018

The committee noted that the matter was earlier discussed in 384th SEAC meeting dated 23/01/2019 wherein the project proponent was directed to submit following information:

1. Structural stability certificate vetted by qualified structural engineer preferably by IIT is to be submitted.
2. Proposal for Environmental Management Cell should be submitted.
3. Break up of CER activities to be provided.

The project proponent submitted their replies through letter dated 31/01/2019. A presentation was made by the project proponent along with their consultant M/s Perfect Enviro Solutions Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for proposed project IT/ITES Park "Infosys- Noida Campus" at Plot No.- A- 01 to A-06, Sector- 85, Noida, U.P., District- Gautam Budha Nagar, M/s Infosys Ltd.
- 2- Terms of reference in the matter were issued through SEIAA, U.P. letter no. 420/Parya/SEAC/4419/2018 dated 12/11/2018.
- 3- Final EIA report submitted by the project proponent vide letter dated 27/12/2018.
- 4- Area details of the project:

Particulars	UNIT	Area Details
Plot Area	m ²	1,11,610.00
Ground Coverage (Permissible)	m ²	33,483.00
Ground Coverage (Achieved)	m ²	27,920.05
Total FAR Permissible	m ²	3,97,890.00
Proposed FAR-(A)	m ²	3,45,991.00
Permissible service FAR (15%)	m ²	51,898.65
Proposed service FAR- (B) (14.24%)	m ²	49,278.76
NON-FAR service floor- (a)	m ²	6,746.01
MLCP/ service area- (b)	m ²	88,257.06
Basement area- (c)	m ²	45,170.84
Total Non-FAR (a + b + c) (C)	m ²	1,40,173.91
Built-up Area (A + B + C)	m ²	5,35,443.67
Total Green Area (37.1%)	m ²	41,420.00
No. of towers	No.	6
Maximum No. of Floors	-	B+G+42
Training Facility Rooms	Rooms	550
Max. height of building (up to terrace level)	m	300
No. of Basement	No.	1

- 5- Land use details:

Land Use	Area (sqm)	Percentage (%)
Ground Coverage	27,920.05	25.01
Green Area	41,420.00	37.12
Road & open Area	42,269.95	37.87
Total	1,11,610.00	100 %

- 6- Population details:

POPULATION		
Office Staff	No.	35627
Residential Training Facility- Staff	No.	1000
support staff	No.	882
visitors	No.	76
Total Population	No.	37585

- 7- Water requirement details:

WASTE WATER, RAIN WATER & SOLID WASTE MANAGEMENT		
Total water requirement	KLD	2075
Fresh Water Requirement	KLD	852
Treated water Reuse	KLD	1223
Total waste water generation	KLD	1289
STP capacity	KLD	1750
No. of Rain water Harvesting pits	Nos.	10
Total Municipal Solid waste generated	kg/day	5938

- 8- Power requirement details:

POWER REQUIREMENT, BACKUP DETAIL & PARKING DETAIL		
Power Source	-	State Electric Board (U.P.)
Total Power load	MW	19.84
No. of DG sets	kVA	6 x 3000 kVA +2 x 2000 kVA & Standby: - 2 x

		3000 kVA +2 x2000 kVA
Parking Required	ECS	6920
Parking Provision	ECS	6955

9- Waste generation details:

Type of Waste	Colours of Bins	Category	Disposal Method	Waste Generation (Kg/ day)
Organics	Green	Bio Degradable	The Food waste shall be treated in Bio gas plant. Other bio degradable waste shall be treated in organic waste converter and converted to manure	4156 (2.5 Tons to Biogas Plant) (1.65 Tons to Organic Waste Converter)
Recyclable Items	Blue	Cardboard, Paper etc.	Approved Recycler	1485
		Plastic waste	Approved Recycler	297
Total				5938 kg/day

10- Parking details:

Parking Provision	Total Area	Parking Area	Service Area	Factor	ECS
Basement	40285.86	32680.78	7605.07	15/ Stack	2179
MLCP	75583.57	69929.28	5654.29	15/ Stack	4662
Open Parking	7108.68	7108.68	NA	20	355
Total Parking Proposed	40285.86	32680.78	7605.07		7196 ECS

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

RESOLUTION AGAINST AGENDA NO-16

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
3. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.

8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
12. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
13. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
14. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
15. No parking shall be allowed outside the project boundary.
16. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
18. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
20. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
21. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
22. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
25. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.

27. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
28. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
29. All the internal drains are to be covered till the disposal point.
30. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
31. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

17. Discussion on Inspection report of Proposed Group Housing Project at Plot No.-139, Block-H, Scheme- 1, Fazalganj, Kanpur, U.P., M/s Tapasya Projects Ltd. File No. 4221/Proposal No. SIA/UP/NCP/ 24592/2018

The committee noted that the matter was earlier discussed in 371st SEAC meeting dated 15/11/2018 and directed is as follows:

“The committee discussed the matter and decided that a site visit shall be undertaken by Shri Meraj Uddin, Member, SEAC, Dr. Arvind Mathur, Member, SEAC and Shri Devendra Singh, Deputy Director, Directorate of Environment within 15 days. The matter shall be discussed after receipt of inspection report.”

A site visit was undertaken by Dr. Arvind Mathur, Member, SEAC, Shri Meraj Uddin, Member, SEAC and Shri Devendra Singh, Deputy Director, Directorate of Environment on 17/01/2019. Representatives of Consultant Shri Rajnish and Project Proponent Shri Nitin Goel were present at the site during visit. The inspection committee following observations was made:

“The proposed group housing of M/s Tapasya Projects Ltd. is a residential project located at H-Block Scheme-1, Fazalganj, Kanpur located adjacent to the 150 m under NH-25 and adjacent to posh localities like Kakadeo, Swaroop Nagar and Vijay Nagar.

Plan of proposed project is approved by Kanpur Development Authority (KDA), Uttar Pradesh Permit no. 527/BHAWAN/14-15 Dt. 1/12/2015 and valid for 5 years.

Project Proponent stated that due to ignorance of EC procedure (construction work started without prior Environment Clearance), Project proponent has applied the project under violation matter in light of MOEFCC, Govt. of India Notification dated 08/03/2018.

Project details and current status are as follows:

PROJECT DETAILS/CURRENT STATUS		
S. No.	Particulars	Details
1.	Land Area	13112.05 m ²
2.	Net Plot for F.A.R.	13112.05 m ²
3.	Permissible F.A.R.	19668.08 m ²
4.	Purchasable F.A.R.	9834.04 m ²
5.	Area of L.I.G. and E.W.S. Block	1982.76 m ²
6.	Additional Area of L.I.G. and E.W.S. Block as incentive	1982.76 m ²
7.	Compensatory F.A.R. against Shelter Fees	228.00 m ²
8.	Total Allowable F.A.R.	31712.88 m ²
9.	Compoundable F.A.R. (10% of Total)	3171.28 m ²

10.	Net F.A.R. Allowed	34884.16 m ²
11.	Net F.A.R. Achieved	34875.06 m ²
12.	Extra F.A.R. Allowed for Community Center, Mumty, Wardrobes Etc. (5%)	1743.75 m ²
13.	Extra F.A.R. Achieved	1733.34 m ²
14.	Ground Coverage	3194.28 m ²
15.	Built-Up Area	56000.23 m ²
16.	Green Area	2231.72 m ²
17.	No. of Flats	264
18.	E.W.S. Units	24
19.	L.I.G. Units	24
20.	Parking	416
21.	No. of Floors	14
25.	Project Cost Approx (Rs.)	80 crores

The Flats have been constructed and the finishing work in the flats as well as in the common area to be done. No construction work was found during visit.

1. Around 2231.72 m² (17.02 %) is proposed for green area. At present a total of 192 saplings were planted (as per project proponent). Out of this 142 nos. are existing at present. Saplings along the boundary were planted which are at height from 1m to 2m except a stretch of 30m which shall be planted after completion of construction work. Greenery (lawn) and ornamental plants were also found at one location.
2. A 200 KLD STP was installed based on MBBR technology, operation yet to be started.
3. 3 pits of rain water harvesting were constructed.

Followings are further recommended:

- a) More trees along the boundary and more greenery should be developed as per space permitted;
- b) DG stack height should be as per CPCB guidelines.
- c) Composter may be installed for biodegradable waste.”

The inspection report was put up by the Secretariat in SEAC meeting dated 05/02/2019. The SEAC, based committee on discussion of the inspection report, presentation made by the project proponent on 15/11/2018 and MOEFCC Notification dated 08/03/2018, recommended to issue the terms of reference (TOR) for the preparation of EIA. The project proposal details regarding the project given at Para-A along with terms of reference (TOR) given at Para-B:

Para – A (Project Details) :

1. The environmental clearance is sought for Group Housing Project at Plot No.-139, Block-H, Scheme-1, Fazalganj, Kanpur, U.P. M/s Tapasya Projects Ltd.
2. Project construction details of the project (as on date):

Particular	AS per Approved Plan/ Others	Status As on Date (Construction/ others)
Land area	13112.05 m ²	13112.05 m ²
Net Plot for FAR	13112.05 m ²	13112.05 m ²
Permissible FAR	19668.08 m ²	19668.08 m ²
Purchasable FAR	9834.04 m ²	9834.04 m ²
Area of EWS & LIG Block	1982.76 m ²	1982.76 m ²
Additional Area of EWS & LIG Block as Incentive	1982.76 m ²	1982.76 m ²
Net FAR Allowed	31484.53 m ²	31484.53 m ²

Net FAR Achieved	31483.12 m ²	31483.12 m ²
Ground Coverage	3123.41 m ²	3123.41 m ²
Built Up Area	51750.82 m ²	51750.82 m ²
Green Area	1975.50 m ²	1975.50 m ²
Nos. of Flats	244	244
EWS units	24	24
LIG units	24	24
Parking	305	416
No. of Floor	14	14
Rain Water Harvesting	2	2
STP		Provided
Plantation		Provided/done
Project Cost Approx. (Rs.)		70 crores
The Flats have been constructed and the finishing work in the flats as well as in the common areas is under process. The possession of no flat has been given so far.		

3. Project description:

1. Land area	13112.05 m ² (3.24 acres)
2. Net Plot for FAR	13112.05 m ²
3. Permissible FAR	19668.08 m ²
4. Purchasable FAR	9834.04 m ²
5. Area of EWS & LIG Block	1982.76 m ²
6. Additional Area of EWS & LIG Block as Incentive	1982.76 m ²
7. Net FAR Allowed	31484.53 m ²
8. Net FAR Achieved	31483.12 m ²
9. Ground Coverage	3968 m ²
10. Built Up Area	51750.82 m ²
11. Green Area	1975.50 m ²
12. Nos. of Flats	244
13. EWS units	24
14. LIG units	24
15. Parking Provided	474 ECS
16. Total water requirement	139.5 KLD
17. Power consumption	2000kw (Source : Kesco)
18. Power backup (DG set)	250 KVA (2 nos.)
19. Project cost Rs.	70 crore
20. RWH Pits	02 nos.

4. Population details:

S. No.	Particulars	Population
1	Residential (Flats)	1220
2	Residential (EWS & LIG)	240
Total		1460

5. Parking details:

S. No.	Particular	ECU
1	No. of Parking on Ground Floor	247
2	No. of Parking on Basement Floor (A)	137
3	No. of Parking on Basement Floor (B)	90
	Total	474

6. Water calculation details:

Water Consumption						
S. No.	Particulars	Population/	Rate	Daily Water Demand (liter)		
		Area(m ²)		Domestic/	Flushing/Treated	Total
						Wastewater Generated (liter)

				Fresh Water (liter)	Water (liter)		
1	Residential (Flats)	1220	86	79300	25620	104920	89060
2	Residential (EWS & LIG)	240	86	15600	5040	20640	17520
3	Commercial	21	45	315	630	945	882
4	Other Facilities/Services	20	45	300	600	900	840
5	Visitors	150	15	900	1350	2250	2070
6	Horticulture	1975.50	5 l/m ²		9877.5	9877.5	
	Total	1651 (Population)		96415	43117.5	139532.5	110372
	Say (KLD)			96.4	43.1	139.5	110.3
Total Fresh Water requirement					96.4 KLD		
STP Treated Water Reuse					43.1 KLD		
Total Waste Water Generated					110.3 KLD		
Water stored for Fire Fighting					20 KLD		
(One time requirement)							
Total Water Demand					139.5 KLD + 20 KLD (one time)		
It is estimated that a total of 110.3 KLD of waste water will be generated after consumption for drinking and loss. This waste water will be treated into STP. 43.1 KLD treated water will be reused in flushing. Surplus treated water will be used in road side irrigation/discharged in municipal drain.							

7. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

Para – B (Terms of Reference) :

1. The construction should be immediately stopped. Recent site photographs with date, time and geo coordinates and 05 minutes video CD should be made available within 15 days after the receipt of the minutes.
2. The project proponent should explain the reason of intentionally violation of E.P. Act.
3. The committee prescribed specific Terms of Reference for the project on the assessment of ecological damage, remediation plan and natural and the community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment as per MoEF Notification dated 08/03/2018.
4. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The Quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
5. Status report regarding construction/development work already taken up.
6. All registry documents, Approved layout plan by the competent authority and all building plans.
7. All services plan is to be submitted like sewerage, drainage, external electrification, rain water harvesting, landscape plan with list of trees, water supply, OHT for firefighting etc.
8. Details of land use with area and percentage.

9. Discharge point of Sewerage and drainage.
10. Plan for use of reflecting paints on roof top and all side walls.
11. Provide Geo- coordinates of the project site.
12. Analyze the surface water quality including chemical and Biological parameters.
13. Ambient air monitoring to be carried out.
14. Project description, its importance and the benefits,
15. Project site details (location, top sheet of the study area of 10 km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage)
16. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
17. Land acquisition status, R & R details.
18. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986,
19. Baseline environmental study for ambient air(PM10, PM2.5, SO2, NOx & CO), water(both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/ CPCB guidelines at minimum 5 location in the study area of 10 km,
20. Details on flora and fauna and socio-economic aspects in the study area
21. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land flora and fauna and socio-economic, etc.)
22. Source of water different identified purposes with the permissions required from the concerned authorities both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
23. Waste water management (treatment, reuse and disposal) for the project and also the study area,
24. Management of solid Waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016
25. Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project,
26. Assessment of ecological damage with respect to air, water land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
27. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
28. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
29. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
30. Allotment letter from concerned development authority.
31. All approved drawings/maps alongwith approved services plans.
32. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
33. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.

34. Physical features within 30 m of the project sites with their ownership.
35. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
36. Use of reflecting paints on roof top and side walls.
37. Details of rain water harvesting are to be given.
38. Provision of 100% solar lighting along the road site, stair cases, common places.
39. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
40. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
41. Water requirement and its management plan along with necessary permissions for discharge.
42. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
43. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
44. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
45. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
46. Landscape plan, green belts and open spaces may be described separately.
47. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
48. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
49. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
50. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
51. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
52. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
53. Identification of recyclable wastes and waste utilization arrangements may be made.
54. Explore possibility of generating biogas from biodegradable wastes.
55. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
56. Provisions made for safety in storage of materials, products and wastes may be described.
57. Disaster management plan should be prepared.
58. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
59. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
60. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.

61. Provide service road for entry and exit to project site.
62. Use of local building materials should be described.
63. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
64. Work out MGLC for the combined capacity of DG sets.
65. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
66. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
67. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
68. Corporate Environmental Responsibility (CER) plan along with budgetary provision amounting to 2% of project cost shall be prepared and approved by Board of Directors of the company.
69. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
70. 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.
71. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green area Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
72. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

(Dr. Sarita Sinha)
Member

(Dr. Arvind Mathur)
Member

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Richhpal Singh Sangu)
Member

(Dr. Ajoy Kumar Mandal)
Member

(Shri Meraj Uddin)
Member

(Shri Rajive Kumar)
Member

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

Annexure-1

Terms of Reference for Mining Project

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

- programme of line departments of the State Governments.
21. 02 km kachcha haul road to be made motorable. Plan should be submitted.
 22. One season (Non Monsoon) primary baseline data on ambient air quality (PM_{2.5}, PM₁₀, SO_x and NO_x), water quality, noise level, soil and flora and fauna shall be collected and the AAQ data so collected presented data-wise in the EIA and EMP report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified.
 23. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀ particularly for free silica should be given.
 24. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicle for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind rose showing pre-dominant wind direction may also be indicated on the map. The impact of stone crusher nearby should also be taken into account.
 25. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
 26. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
 27. Details of water conservation measures proposed to be adopted in the project should be given.
 28. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
 29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of groundwater should also be obtained and copy furnished.
 30. Details of first order stream, if any passing through lease area and modification diversion proposed, if any and the impact of the same on the hydrology should be brought out.
 31. Details of rainwater harvesting proposed, if any, in the project should be provided.
 32. Information on reduced levels site elevation, working depth, groundwater table etc. below natural surface level should be provided. A schematic diagram may also be provided for the same.
 33. Quantity of solid waste generated to be estimated and details for its disposal and management should be provided. The quality, volumes and methodology planned for removal and utilization (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
 34. The reclamation plan, post mine land use and progressive green belt development plan shall be prepared in tabular form (prescribed format) and submitted.
 35. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State government) should be covered.
 36. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
 37. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
 38. Phase-wise plan of green belt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.

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

Annexure-2

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

General Conditions:

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

- program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
 20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
 21. Dispensary facilities for first-aid shall be provided at site.
 22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
 23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
 24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
 25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, 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 Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P and UPPCB.
 34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
 35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.

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

Annexure-3

Specific Conditions for Sand Moram Mining :-

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of cluster of equal to or more than 25 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
15. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.

17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
20. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., 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.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchayat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.