

Minutes of 493rd SEAC Meeting Dated 23/09/2020

The 493rd meeting of SEAC was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 23/09/2020. Following members were participate in the online meeting:

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

The Chairman welcomed the members to the 493rd SEAC meeting which was conducted online.

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

1. Building Stone (Khandas, Gitti & Boulder) Mining at Gata No.-22, Khanda No.-01, Village-Paraichha, Teh-Moth, District-Jhansi, U.P., (Leased Area -1.902 ha.). File No. 5750/Proposal No. SIA/UP/MIN/165852/2020

The committee noted that the matter was earlier discussed in 484th SEAC meeting dated 17/08/2020 and directed the project proponent to submit following information:

1. Quantity mismatch between LoI and mining plan. Revised documents should be submitted.

The project proponent submitted their replies vide letter dated 02/09/2020 and requested to list the matter in next SEAC meeting. Hence, the matter was listed in 493rd SEAC meeting dated 23/09/2020.

A presentation was made by the project proponent along with their consultant M/s OCEAO-ENVIRO Management Solutions (India) Private Limited. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khandas, Gitti & Boulder) Mining at Gata No.-22, Khanda No.-01, Village-Paraichha, Teh-Moth, District-Jhansi, U.P., (Leased Area -1.902 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/165852/2020
2.	File No .allotted by SEIAA,UP	5750
3.	Name of Proponent	Sh. Anoop Kumar Singh S/o Shri Dharmajeet Singh
4.	Registered Address	R/o H. No.- B-30/5, Flat No. 914/915, Ambrosiya Apartment, B.H.U. Road, Tehsil- Sardar, District-Varanasi, Uttar Pradesh.
5.	Full correspondence address of proponent and mobile no.	R/o H. No.- B-30/5, Flat No. 914/915, Ambrosiya Apartment, B.H.U. Road, Tehsil- Sardar, District-Varanasi, Uttar Pradesh
		Mobile no.-
		E-mail ID-anup5251@yahoo.com
6.	Name of Project	Building Stone

7.	Project location Khasra No	Gata No. – 22, Khand No. 1			
8.	Name of Village	Paraichha			
9.	Tehsil	Moth			
10.	District	Jhansi			
11.	Name of Minor Mineral	Building Stone			
12.	Total Area (in Ha.)	1.902 Ha.			
13.	Mineable Area (in Ha.)	1.902 Ha.			
14.	Pillar Coordinates (Verified by DMO)	Gata No	Pillar	Latitude	Longitude
		22	A	25°45'643"N	79°2'595"E
			B	25°45'670"N	79°2'980"E
			C	25°45'554"N	79°3'073"E
			D	25°45'527"N	79°3'027"E
15.	Period of agreement between Project proponent & Land Owner	5 Years			
16.	Mine Plan approval details	Letter No. 350/ek0Iyku/2016 Dated 12-06-2020			
17.	Validity of Mine Plan	5 Years			
18.	Total Proposed Production	183373 M ³			
19.	Proposed Production/Day	611.24 M ³			
20.	Method of Mining	Opencast/Semi-Mechanized			
21.	No. of workers	19 Workers			
22.	Type of Land	Government Land			
23.	Ultimate Depth of Mining	6.0 m			
24.	Water Requirement	6.0 KLD			
		Purpose		REQUIREMENT (KLD)	SOURCE
		Potable water		0.69	Private Tanker
		Suppression of dust		3.31	Private Tanker
		Plantation		2.0	Private Tanker
25.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s OCEAO-ENVIRO Management Solutions (India) Private Limited , NABET/EIA/1821/IA 0033 Valid till 23.01.2021			
26.	Any litigation pending against the project or land in any court	No			
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None			
28.	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	Government Hospital, Erach - Aprox. 6.30 KM NE School: Government Primary School Panari			
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 680/30,e0,e0lh0@(2020-21) Dated 08-tqykbZ -2020			
30.	Proposed CER cost	Rs. 5,50,000/-			
31.	Proposed EMP cost	Rs. 1,50,000/-			
32.	No. of Trees to be Planted.	1065			
33.	Detail of CTE/CTO issued by UPPCB	NA			

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

fragile zone such as habitat of any wild fauna.

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

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-1 to these minutes.

2. **Building Stone (Gitti- Pathhar,Khandas, Boulder) Mining" at Gata No./Araji No./Plot No.- 310, Khand No.- 01, at Village-Dangriyaroond, Tehsil & District- Jhansi, U.P., Area -2.023 ha. File No. 5102/Proposal No. SIA/UP/MIN/ 43914/2019**

RESOLUTION AGAINST AGENDA NO-02

The project proponent/consultant 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.

3. **Gitti/Boulder (Dolo stone) Mine at Gata No.-410 Ka, Village-Meetapur, Tehsil-Robertsganj, Sonbhadra., Shri Anand Kumar Shukla, (Leased Area -1.45 ha.). File No. 5106/Proposal No. SIA/UP/MIN/ 41832/2019**

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

1. The environmental clearance is sought for Gitti/Boulder (Dolo stone) Mine at Gata No.-410 Ka, Village-Meetapur, Tehsil-Robertsganj, Sonbhadra, U.P., (Leased Area -1.45 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/41832/2019			
2.	File No. allotted by SEIAA, UP	5106			
3.	Name of Proponent	Anand Kumar Shukla			
4.	Full correspondence address of proponent and mobile no.	Anand Kumar Shukla S/o Shri Bhanu Prakash Sukla , R/o Meetapur Tehsil- Robertsganj, District- Sonbhadra, Uttar Pradesh Mobile no. - 9335881715 E mail ID-anandmeetapur2019@gmail.com			
5.	Name of Project	Environment Clearance for Gitti/Boulder (Dolostone) mine, at Gata No. -410 ka Area 1.45 ha (3.59 Acres) at Village – Meetapur Tehsil- Robertsganj, District- Sonbhadra, U.P.			
6.	Project Location (Plot.Khsra/Gata No.)	Araji No.- 410 ka			
7.	Name of Project	Gitti/Boulder (Dolostone) mining project			
8.	Name of Village	Meetapur			
9.	Tehsil	Robertsganj			
10.	District	Sonbhadra,			
11.	Name of Minor Mineral	sandstone			
12.	Sanctioned Lease Area (in Ha.)	1.45 ha.			
13.	Max. & Min mRL within lease area	Max - 220.00 mRL Min – 219.00 mRL			
14.	Pillar Coordinates (Verified by DMO)	Geo-Co-ordinates of Total area <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Pillar</td> <td style="width: 33%;">N</td> <td style="width: 33%;">E</td> </tr> </table>	Pillar	N	E
Pillar	N	E			

		A	24° 33' 20.30"	82° 58'43.97"	
		B	24° 33' 20.89"	82° 58'44.49"	
		C	24° 33' 20.58"	82° 58'44.95"	
		D	24° 33' 19.93"	82° 58'44.96"	
		E	24° 33' 19.46"	82° 58'45.51"	
		F	24° 33' 18.30"	82° 58'45.44"	
		G	24° 33' 17.92"	82° 58'44.75"	
		H	24° 33' 18.49"	82° 58'44.01"	
15.	Total Geological Reserves	5,60,205 m ³			
16.	Total Mineable Reserve	3,68,307 m ³			
17.	Total Proposed Production	3,65,000 m ³ (5 years)			
18.	Proposed Production /year	73,000 m ³ /annum			
19.	Sanctioned Period of Mine lease	5 years			
20.	Production of mine/day	244 m ³ /day			
21.	Method of Mining	Opencast semi- mechanized			
22.	No. of working days	300			
23.	Working hours/day	8			
24.	No. of worker	51			
25.	No. of vehicles movement/day	30			
26.	Type of Land	Govt./Non Forest Land (riverbed)			
27.	Ultimate of Depth of Mining	42 m (plan period)			
28.	Nearest metalled road from site	0.60 km			
29.	Water Requirement	PURPOSE			
		Drinking - 0.51 KLD			
		Suppression of dust - 2.00 KLD			
		Plantation - 0.14 KLD			
		Others (if any) - 0.00 KLD			
		Total - 2.65 KLD			
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	NABET/EIA/1821 RA 0120 Valid till – 01/05/2021			
31.	Any litigation pending against the project or land in any court	No			
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 1930/Khanij/2020 dated - 19/09/2020			
33.	Details of Lease Area in approved DSR	Serial no. 54, Page no. 12			
34.	Project Site	70.0 lacs/annum			
35.	Proposed CER cost	1.40 lacs/annum			
36.	Proposed EMP cost	3.71 lacs			
37.	Length and breadth of Haul Road	Length – 0.16 km, Breadth – 6.00 m			
38.	No. of Trees to be Planted	144			

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

4. Granite (Khanda , Gitti & Boulders) Mine at Gata No.-1078, Khanda No.-34,Village-Gonda, Tehsil- Karwi, Chitrakoot., (Area-2.02 ha). File No. 4690/Proposal No. SIA/UP/MIN/31706/2019

RESOLUTION AGAINST AGENDA NO-04

The committee noted that the matter was earlier discussed in 456th SEAC meeting dated 27/02/2020 and directed the project proponent to submit certified compliance report for earlier environmental clearance issued by SEIAA, U.P. for further consideration of the matter.

The project proponent submitted their replies vide letter dated 07/09/2020 and requested to list the matter in next SEAC meeting. Hence, the matter was listed in 493rd SEAC meeting dated 23/09/2020.

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The committee discussed the matter and directed the project proponent to submit the revised presentation/documents incorporating changes suggested by SEAC such as CER, EMP, Public hearing reply etc.

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

5. Building Stone (khandas, Boulders, Balast, Gitti & Morrum) Mine at Gata No.-300, Khand No.-01, at Village-Kandauhara, Tehsil-Atarra, Banda, U.P., Area -0.809 ha. File No. 5067/Proposal No. SIA/UP/MIN/41495/2019

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter and noted that there is discrepancy among DSR, LoI & Mining plan submitted by the project proponent. The committee directed the project proponent to submit corrected documents for further consideration of the matter. The matter will be discussed only after submission of online request on prescribed online portal.

6. "Light House" at Plot No.-1B, and 5/GH-04, Avadh Vihar, Lucknow. M/s JAM Sustainable Housing LLP. File No. 5687/Proposal No. SIA/UP/MIS/ 156209/2020

RESOLUTION AGAINST AGENDA NO-06

The project proponent/consultant did not appear in the meeting and did not circulate the reply documents to the members of SEAC. 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.

7. Discussion on District Magistrate, Hamirpur letter dated 05/09/2020 regarding Sand/Morrum Mining from Betwa Riverbed at 24/14, Village-Chikasi, Tehsil-Sarila, District-Hamirpur, M/s Disha Enterprises.,Area-36.437 ha. File No. 5151/Proposal No. SIA/UP/MIN/45141/2019

The Secretariat information the committee that the environmental clearance for the above proposal was issued by SEIAA, U.P. vide letter no. 528/Parya/SEAC4528-4439/2018, dated 24/11/2018. A complaint letter dated 02/06/2020 has been filed by Shri Surya Kant Yadav, S/o Deshraj Singh, 589/42, Buddheshwar Vihar, Mohan Road, Rajajipuram, Lucknow regarding illegal mining at the above project site.

The SEIAA discussed the letter dated 02/06/2020 of Shri Surya Kant Yadav in its meeting dated 01/07/2020 and directed the Secretariat to sent the above letter to District Magistrate, Hamirpur for necessary action in the matter and copy of the letter should sent to Directorate of Geology and Mining, Lucknow, District Mining Officer, Hamirpur and Shri Surya Kant Yadav for information and necessary action.

The Secretariat sent a letter no. 276, dated 07/07/2020 to District Magistrate, Hamirpur for providing the necessary information in view of Shri Surya Kant Yadav letter dated 02/06/2020.

District Magistrate, Hamirpur vide letter dated 05/09/2020 provide the information of the mining site in the reference of SEIAA letter dated 07/07/2020. The DM, Hamirpur informed that the mining activity at the project site is closed due to monsoon season and he is also informed that during the mining activity as per office record there is no heavy machine used for mining activity. Regarding information of CTO/CTE as per Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be sought from UP Pollution Control Board.

In view of above, the committee discussed the matter and opined that the information desired by District Magistrate, Hamirpur vide letter dated 05/09/2020 under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be accretion from UP Pollution Control Board.

8. Discussion on Shri Mahendra Pratap Singh letter dated 04/09/2020 regarding Earth Mining to be in used in "Earth Filling by Ordinary Soil Excavation, at Khasra No.-296, Village-Mohammadpur Kirat, Tehsil-Ramsanehigh, District- Barabanki., Area -0.5086 ha. File No. 5757/Proposal No. SIA/UP/MIN/167021/2020

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the letter dated 04/09/2020 of Shri Mahendra Pratap Singh and opined that the environmental clearance of the above project proposal is not required as per MoEF&CC, GOI notification S.O. 1224(E) dated 28.03.2020 and Environment, Forest & Climate Change, Section -7, Government of UP G.O. No. 446/81-7-2020-39(parya)/2014 TC-1 dated 01.05.2020.

9. Proposed UPAL Warehouse at Khasra No.-1251Part, 1252Ka(part), 1252Kha(part), 1253, 1257Kha, 1258Ka, 1259, 1259Ka, 1260, 1261, 1263, 1267(Part), 1268, 1297, 1298 & 1299 at Village-Mau, Tehsil-Mohanlalganj, District- Lucknow., M/s U.P. Asbestos Ltd. File No. 5816/Proposal No. SIA/UP/MIS/171920/2020

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

1. The environmental clearance is sought for Proposed UPAL Warehouse at Khasra No.- 1251Part, 1252Ka(part), 1252Kha(part), 1253, 1257Kha, 1258Ka, 1259, 1259Ka, 1260, 1261, 1263, 1267(Part), 1268, 1297, 1298 & 1299 at Village-Mau, Tehsil-Mohanlalganj, District- Lucknow., M/s U.P. Asbestos Ltd.
2. Exemption from Environmental clearance was granted by SEIAA, UP for development of warehouse for in-house activities of on-going project of UP Asbestos vide letter no. 314/parya/SEIAA-Gen/2018 dated 23/10/2019.
3. The total area of plant site is 18.89 ha. M/s UPAL desires to lease out the unutilized land measuring 8.66 ha within the plant site for Warehousing (Industrial Shed).
4. As per the MoEF&CC letter no- F.No. J-11011/567/2011-IA.II (I), dated 14/07/2020, committee has recommended that only 8.357 ha. land is to be utilized for warehousing project and the greenbelt area that is 7.348 ha. of total land area of i.e. 18.89 ha. should remain unchanged.
5. The permission of separate operation of warehouse has been granted vide MoEF&CC, Govt. of India letter no-F.No. J-11011/567/2011-IA.II (I) dated 14/07/2020 after due clearance from SEIAA, UP.
6. Land ownership documents (Khasra No. 1251part, 1252ka (part), 1252kha (part), 1253, 1257kha, 1258ka, 1258kha, 1259, 1259Ka), 1260, 1261, 1262, 1263, 1297, 1298 and 1299) showing the ownership of land for warehouse (Industrial Shed) development have been submitted at SEAC, UP.
7. Salient features of the project:

Particulars	Details
Water Demand and Source	Fresh Water Consumption 75.2 KLD from ground water through bore wells.
Waste Water	Quantity of wastewater (64 KLD)
STP Capacity	80 KLD

Power Demand	1000 KVA through UPPCL
Backup Power	625 kVA (02numbers) DG Set
Solid Waste Generation and Management	394 Kg/day 236 Kg/day – Organic Waste. Biodegradable waste will be sent to composting site within premises.
Rain Water Harvesting	07 Numbers of Rain Water Recharge Pits
Water level	12 mgbl
Green Belt and Horticultural development	As per the MoEF&CC letter no-F.No. J-11011/567/2011-IA.II (I), committee has recommended that only 8.357 ha. land is to be utilized for warehousing project and the greenbelt area that is 7.348 ha. of total land area of i.e. 18.89 ha. should remain un-changed. Greenbelt area would be 73480 sqm i.e. 38.9% of the total land area (18.89 ha.) will remain as it is. For the separated warehouse development : Total plot area – 83575.00 sq m Ground coverage – 50048.00 sq m Road area – 18195.45 sq m Green area – 15332.00 sq m (18.5% of the plot area of 83575.00 sq m) Soft green –12536.25 sqm Hard green –2795.0 sqm List of species proposed for green belt developments are Scholar Tree, Kaner, Gulmohar, Neem, Ashoka, Jarcanda, kadamba, Chitwan, Champa, Chameli etc..
Parking Facilities	73 Nos.

8. Area details of the project:

Items	Details
Type of Building	Warehouse (Industrial Shed)
Total Plot Area	83,575.00 m ²
Ground Coverage	50,048.12 m ²
Achieved F.A.R.	51,780.00 m ²
Total open area	33,526.88 m ²
Total road area	18,195.45 m ²
No. of trees	398 numbers
No. of shed	02
Parking Required	73

Parking Provided	75 (1 ECS@ 550 m ³)
Area of shed no. 1	21704.00 m ²
Area of shed no. 2	28344.12m ²

9. Land use details:

Particulars	Area	Percentage (%)
Ground coverage	50048.12	60
Road area	18195.45	22
Green area	15331.43	18
Total area of site	83575.00	100

10. Green belt details:

- Greenbelt area would be 73480 sq.m. i.e. 38.9% of the total land area (18.89 ha.) and will remain as it is.
- 18.5% of the ware house plot area of 83575.00 sq m would remain green belt area as before. The same would be beautified to reduce air and noise pollution.
- Green area – 15332.00 sq m (18.5% of the ware house plot area of 83575.00 sq m)
- Soft green –12536.25 sqm
- Hard green –2795.0 sqm

11. Water requirement details:

	Description	Population/ Area	Water requirement				Total water requirement (KLD)
A	Domestic use		Domestic consumption	Domestic use (KLD)	Flushing consumption	Flushing/ Recycled Use (KLD)	
1	Workers	1620	@30lpcd	48.60	@15lpcd	24.30	72.90
2	Staff	45	@25lpcd	1.125	@20lpcd	0.90	2.03
B	Other use						
1	Landscape area	15332.0	3.0 lit/sqm)			46.00	46.00
2	DG set cooling	1250kVA	(0.9l/kVA/hr			9.00	9.00
C	Total water			49.73 Say		80.20	129.93 Say 130.00

	demand (KLD)			50.00			
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12. Solid waste generation details:

S.No	Particular	Population	Waste generated kg/day
1.	Workers (@ 0.2kg/day)	1695	339.0
2.	Staff (@ 0.2kg/day)	75	3.7
3.	Horticulture waste (@0.0036/sq/day)		51.02
	Total MSW		393.72 Say 394 Kg/day

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

RESOLUTION AGAINST AGENDA NO-09

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

1. Solar energy to be used alternatively 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. Organic waste converter should be installed.
12. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out and report submitted to SEIAA, U.P.

19. 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.
20. 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.
21. 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.
22. 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.
23. No parking shall be allowed outside the project boundary.
24. 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.
25. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
26. 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.
27. 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.
28. 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.

29. 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.
30. 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 and pollution also reduced. 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.
31. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
32. 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.
33. 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.
34. All the internal drains are to be covered till the disposal point.
35. 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.
36. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

10. Manufacturing Unit of Water Purifier & Other Healthcare Products at Plot No.- 003, Sector- 155, Noida, District- Gautam Buddh Nagar, U.P. File No. 5817/Proposal No. SIA/UP/MIS/172061/2020

RESOLUTION AGAINST AGENDA NO-10

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

1. Revised CER Details.
2. Plan for minimum 15% landscape area for soft green should be provided.

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

11. Data Centre at Plot No.-07, Knowledge Park-V, Greater Noida, U.P., M/s NIDP Developers Pvt. Ltd. File No. 5818/Proposal No. SIA/UP/MIS/172044/2020

RESOLUTION AGAINST AGENDA NO-11

The project proponent/consultant requested to defer the matter in next SEAC meeting. The committee discussed and directed to defer the matter as per request made by the project proponent. The matter will be discussed only after submission of online request on prescribed online portal.

12. Establishment of new Molasses based Distillery having Capacity: 100 KLD along with 7.0 MW co-gen power at Khasra No.- 108 in village Maslasia, 8, 46, 47, 49, 59, 60, 61, 62, 63, 65, 70, 72 in Village-Musallepur, Tehsil- Dhanaura, District- J.P. Nagar, U.P.,M/s Wave Industries Pvt. Ltd. File No. 5834/5510/Proposal No. SIA/UP/IND2/ 56618/2020

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

1. The environmental clearance is sought for Establishment of new Molasses / Cane Syrup based Distillery having Capacity: 100 KLD along with 7.0 MW co-gen power at Khasra No.- 108 in village Malasia, 8, 46, 47, 49, 59, 60, 61, 62, 63, 65, 70, 72 in Village-Musallepur, Tehsil - Dhanaura, District- J.P. Nagar, U.P, M/s Wave Industries Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 167/Parya/SEAC/5510/2018 dated 30/06/2020.
3. Public hearing was organized on 20/08/2020. Final EIA report submitted by the project proponent on 15/09/2020.
4. Salient features of the project:

Sr. No.	Attributes	Proposed Distillery Unit
1	Proposed capacity of Plant	100 KLD (Molasses/Cane Syrup Based)
2	Co gen Power	7.0 MW
3	Total project area	17.75 Hectare
4	Total project cost	Rs. 17891.0 Lakhs
5	No of working days	365 Days /Annum
6	Raw material and its Quantity	Molasses /Cane Syrup-465 MT/Day. (214.4 Liters of Alcohol can be obtained 1 ton of molasses.)
7	Power Requirement	2860 KWH Source – Co Generation Power Plant-7.0 MW
8	Steam Requirement	28 TPH
9	Man Power Requirement	Directly Employment : 55 nos. Indirect employment : 100 nos.
10	Fuel Requirement	SLOP : 300 KLD along with Bagasse : 150 TPD
11	Boiler Detail	Proposed : 01 no of 45 TPH (Slop fired boiler)
12	Fresh Water Requirement	Total Fresh Water requirement : 620 KLD Industrial Use: 600 KLD (@ 6.0 KL/KL of Product) Domestic Use: 20 KLD
13	Waste Water Generation	Spent Wash Generation-700 KLD
14	Treatment Technology	Spent wash will be concentrate in Multi effect evaporation and then concentration from MEE will be used as fuel in incineration boiler of capacity 45 TPH along with bagasse/ other biomass. Other Effluent: Secondary effluent like MEE condensate and blow down, lees will be treated in Secondary ETP and reutilized in process and other use.
15	Air Pollution Control Equipment	Bag Filter along with Stack of height 72 Meters.

5. Land use details:

Sr No	Land use	Area (sqm)	Area in %
1	Roof Top	30505.0	17.2
2	Green Belt	60000.0	33.8
3	Road and Paved	21300.0	12.0
4	Open area	65695.0	37.0
	Grand Total	177500	100

6. Raw material required with daily consumption and transport:

	Particular	Daily Requirements	Source of raw material & Mode of Transportation
1.	Molasses	465 MT/ day	Adjacent sugar mills/ By road
2.	Others Chemicals Required		
	Sulphuric Acid	800.0 kg/Day	30.0 days storage will be provided and raw material will be transported through Tankers.
	Sodium Hydroxide (Caustic)	1600.0 Kg/Day	
	Enzymes	6.0 kg/Day	
	NH ₂ -CO- NH ₃ (Nutrient : 46% N ₂)	340.0 Kg/Day	
	Antifoam Agent	120.0 Kg/Day	

7. Water requirement details:

Particular	Quantity	Remarks
Total Water Requirement	2669.0 KLD	Maximum fresh water requirement of water in day will be 620 KLD.
Total treated and process water for recycling	2049.0 KLD	
Fresh Water Requirement	600.0 KLD	
Domestic water requirement	20.0 KLD	
Source of Fresh Water	Treated water from ETP of Sugar.	
Industrial Waste Water Generation (Spent wash)	700.0 KLD.	Spent wash will be concentrated in MEE and concentrated Slop will be used as fuel along with bagasse in 45 TPH boiler.
Domestic Waste Water Generation	12.0 KLD	Domestic waste water will be disposed through septic tank and Soak pit
Other Effluent Generation	852 KLD	Secondary Effluent Treatment Plant will be constructed for the treatment of other effluent which include MEE condensate, Spent Lease, Floor washing, Reject, Blow downs etc.

8. Solid waste details:

Process Waste			
S. No.	Solid waste	Quantity during based	Method of disposal
1	Fermenter Sludge	10 MT/Day	Fermenter Sludge recovered from fermenter process will also be used 100 % as manure due to its good nutritive value..

Hazardous Waste Generation and Management			
S. No.	Solid waste	Quantity	Method of disposal
1.	Used Oil	1100 Liters / Annum	The used oil will be Sold to the vendors authorised by UPPCB for the treatment of the same.
2.	Chemical Containers	-	Will be sent to TSDF

9. The project proposal falls under category 5 (g) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-12

The committee discussed the matter and recommended grant of environmental clearance along with following conditions:

I. Statutory compliance:

1. 45 days 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 60 days for a record.
2. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
4. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
7. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission , and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention:

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

1. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
 - i. Metering and control of quantities of active ingredients to minimize waste .
 - ii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - iii. Use of automated filling to minimize spillage.
 - iv. Use of Close Feed system into batch reactors.

- v. Venting equipment through vapour recovery system.
- vi. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt:

- 1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

VIII. Safety, Public hearing and Human health issues:

- 1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- 2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- 3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- 4. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- 5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility:

- 1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- 5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

- 1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising

- it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 13. The Ministry reserves the right to stipulate additional conditions if found necessary.
 14. The Company in a time bound manner shall implement these conditions.
 15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
 17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. Establishment of new Molasses/Cane Syrup based distillery of 100 KLD (RS/ENA/Ethanol) with 5.0 MW co-generation power plant & Sugar Plant expansion from 2500 TCD to 8000 TCD and Poer plant from 6.0 MW to 30 MW, plot/Survey/Khasra No. 698, 699, 702, 703, 706, 707, 708, 709, 710, 711, 712, 71 at Village-Kamalapur, Dishauli, Sitapur, U.P. M/s NR Inforacon Pvt. Ltd. File No. 5841/Proposal No. SIA/UP/IND2/ 56626/2018

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

1. The environmental clearance is sought for Establishment of new Molasses/Cane Syrup based distillery of 100 KLD (RS/ENA/Ethanol) with 5.0 MW co-generation power plant & Sugar Plant expansion from 2500 TCD to 8000 TCD and Poer plant from 6.0 MW to 30 MW, plot/Survey/Khasra No. 698, 699, 702, 703, 706, 707, 708, 709, 710, 711, 712, 71 at Village-Kamalapur, Dishauli, Sitapur, U.P. M/s NR Inforacon Pvt. Ltd.
2. The standard terms of reference in the matter were issued by MoEF&CC, Govt. of India vide letter no.. IA-J-11011/396/2018-IA-II(I)dated 04th January, 2019.
- 3.
4. Public hearing was organized on 13/08/2019. Final EIA report submitted by the project proponent on 16/09/2020.
5. Salient features of the project:

Sr No	Particulars	Details		
1	Name of the Project	N.R. Infracon Private Limited Village: Kamlapur, Tehsil: Sidhauili District: Sitapur, U.P.		
2.	DISTILLERY UNIT	Proposed capacity		
	Molassesbased distillery plant	100 KLD		
	Co-Gen Power (MW) from Distillery unit	5.0 MW		
3.	Nature and Size of Project	Existing	Proposed Expansion	After Expansion
	SUGAR UNIT			
	Capacity of Sugar Plant (TCD) (cane crushing capacity)	2500 TCD	5500 TCD	8000 TCD
	Co-gen Power (MW)from Sugar plant	6.0 MW	24.0 MW	30.0 MW
4.	Category	Distillery Unit	Category "B" and Schedule - 5 (g)	
		Sugar Unit	Category "B" and Schedule - 5 (j)	

6. Project Details:

Sr. No.	Attributes	New Distillery Details	Sugar Expansion Details
1.	Raw Material Requirement	Molasses:320 KLD	Sugar cane :8000 TCD
2.	Product	100 KLD (Rectified Spirit/Extra Neutral alcohol/Ethanol)	White Crystal Sugar 928 MT/Day
3.	No. of working days	360 days /annum	210 days/annum
4.	Product (power)	5.0 MW	Expansion of power plant from 6.0 MW to 30.0 MW
5.	Power Requirement	2.2 MW. Surplus power will be exported to power grid.	12.5 MW Surplus power will be exported to power grid.
6.	By Product	No Any	Molasses :380 MT/Day Bagasse:2304 TPD Press-mud:280 TPD
7.	Boiler	Proposed new: 1 no. of 40.0 TPH (Slop Fired Boiler)	Existing 75.0 TPH :01 no boiler Proposed 110.0 TPH :

			01 no. boiler
8.	Fuel Requirement (For Boiler)	Slop : 172 KLD , Bagasse: 20 T/Hr	Bagasse: 78.0 T/Hr for both boilers
9.	Steam Requirement	23.0 TPH	146 TPH
10.	Air Pollution Control System	ESP/Wet scrubber will be installed with 40.0 TPH slop Fired Boiler along with stack of 65.0 meter height	ESP will be installed with Stack of height 65.0 meters to control emissions from 110.0 TPH Boiler. Wet scrubber is installed with existing Stack of 55.0 meters height with existing 75.0 TPH Boiler.
11.	Fresh Water Requirement	600 KLD (@6KL/KL of product)	1600 KLD (@ 0.20 KL/MT of cane crushed)
		Domestic Requirement:20 KLD	
	Total water requirement	2220 KLD (Sugar + Distillery)	
11.1	Source of fresh water	Ground water via bore well	
12.	Waste Water Generation	Spent Wash: 600 KLD @ 6.0 KL/KL of product Condensates: 717 KLD	1180 KLD (@ 0.14 KL/MT of cane crushed)
12.1	Waste water treatment strategy	MEE, Slop Fired Boiler and CPU	ETP based on Activated sludge process and Sulphur recovery plant.
13.	Solid waste generation and its management	Ash generation: 50 MT/Day: Will be used as manure. Fermenter Sludge: 70.0 MT/Day: Will be used as manure.	Ash generation: 19.0 MT/Day Ash generated will be utilized as manure
14.	Total project cost	15000.00 Lacs	17400 Lacks
15.	Cost towards Environmental protection measures (Capital cost)	Rs. 4000.00 Lakhs	Rs. 3500.00 Lakhs
16.	Recurring cost towards Environmental control measures.	Rs. 50.00 Lakhs	Rs. 40.00 Lakhs
17.	Employment	60 Persons	250 Persons
18.	Cost towards Corporate Environmental Responsibility(CER)	CER Cost is Rs. 355.5 Lakhs as per office memorandum no. F.No.22-65/2017-IA.III dated 1 st May 2018.	

7. Land use details:

Sr No.	Land use	Area (sqm)	Area in %
1	Green Belt Area	98990.0	33.00
2	Open Land	57992.2	19.33
3	Road/ Paved Area	18001.8	6.00
4	Rooftop area of building/sheds	124986.0	41.67
	GRAND TOTAL	299970.0	100

8. Raw material required with daily consumption and transport:

Raw Material for Distillery Unit				
Sr. No	Particular	Requirement	Storage	Source and mode of transportation
1.	Molasses	320 KLD	Molasses storage tanks	Through local suppliers via road
Other Chemicals				
Sr. No	Particular	Requirement	Storage with capacity	Source and mode of transportation
1.	Sodium hydroxide (caustic)(kg/day)	240	Solid form packed in 50 kg bags stored in godown	Nearby markets/ by roads
2.	Nutrients (kg/day)	258	Solid form packed in 50 kg	

			bags stored in godown	
3.	Enzymes (kg/day)	158	Liquid form packed in cans and stored in godown	
4.	Anti foam agents (kg/day)	22	Liquid form packed in drums and stored in godown	
5.	Yeast (active dry yeast)	48	Solid form packed in bags & stored in godown	
Raw Material for Sugar Unit				
Sr. No	Particular	Requirement	Storage	Source and mode of transportation
1.	Sugar cane	8000 TCD	Unit	Through local farmers via road through trucks and bullock carts.
Other Chemicals				
Sr. No.	Particulars	Requirement of expansion	Source of the raw material & mode of transportations	
2.	Lime	21.0 T	Will be sourced from Lime Stone mines and transported by trucks	
3.	Sulphur	8.5 T	Will be sourced from local market and transported by trucks	
4.	Caustic Soda	0.5 T	Will be purchased from Caustic Soda Manufacturers and will be transported by trucks	
5.	Common salt	3.0 T	Will be sourced from Open Market.	

9. Plant and machinery:

(A) Distillery Unit:

- 1) 100 KLD Ethanol plant with integrated evaporator and alcohol storage system, MEE.
- 2) 40 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (ESP/wet scrubber)
- 3) CO₂ Recovery Plant
- 4) Ash handling system, Granulation plant
- 5) Fuel handling system
- 6) Turbo generator & condenser with arrangement for the export of surplus power
- 7) Power distribution system
- 8) Cooling towers
- 9) Plant piping, valves etc
- 10) Pumps with drive motors
- 11) Condensate Polishing Plan
- 12) Distributed control system
- 13) Fire fighting system etc.
- 14) Molasses storage tanks
- 15) Product storage tanks
- 16) Weighbridges
- 17) RCC Chimney and various other concerning units.

(B) Sugar Unit:

- 1) 8000 TCD Sugar plant
- 2) 110.0 TPH Boiler including air pollution control system (ESP).
- 3) Ash handling system,
- 4) Fuel handling system
- 5) Turbo generator & condenser with arrangement for the export of surplus power
- 6) And other concerned units of sugar & power section

10. Water requirement details:

		Water Requirement
1	Distillery Unit	600 KLD(@ 6.0 KL/ KL of product)

2	Sugar Manufacturing Unit	1600 KLD (@0.20 KL/MT of cane crushed)
3	Domestic Use	20 KLD
4	Total Water Requirement	2220 KLD
	Source: Ground water via Borewell.	

11. Waste water generation:

Distillery Unit		
1	Waste water	Spent Wash: 600 KLD (@ 6.0 KL/KL of Product) Other Effluents: 717 KLD
2	Treatment Technology	Spent wash treatment: It will be concentrated in Multi effect evaporation and then concentrate from MEE will incinerate in SLOP fired boiler having capacity: 40 TPH. Other effluent treatment: MEE condensate, Blowdowns of CT, Boiler, Floor washing etc will be treated in CPU and treated water will be recycled back to process and cooling in Distillation & CT. Unit shall be based on Zero Liquid discharge (ZLD)
Sugar Unit		
3	Sugar Unit	1180 KLD (@ 0.14 KL/MT of cane crushed)
4	Treatment Technology (for Sugar Unit)	Effluent from manufacturing process shall be treated in ETP (based on activated sludge process). Along with Sulphur Recovery Unit

12. The project proposal falls under Category “B”, Project or Activity ‘5(g) (ii) [Non-molasses based distilleries ≤100 KLD]’ & Sugar industry ≥ 5000 TCD cane crushing capacity categorized under Category “B” of schedule 5(j) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter and recommended grant of environmental clearance along with following conditions:

I. Statutory compliance:

- 45 days 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 60 days for a record.
- The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
- The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to

time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent

streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.

7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention:

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

1. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
 - vii. Metering and control of quantities of active ingredients to minimize waste .
 - viii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - ix. Use of automated filling to minimize spillage.
 - x. Use of Close Feed system into batch reactors.
 - xi. Venting equipment through vapour recovery system.
 - xii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt:

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

VIII. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
4. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of

- financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 13. The Ministry reserves the right to stipulate additional conditions if found necessary.
 14. The Company in a time bound manner shall implement these conditions.
 15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
 17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

14. River Bed Sand/ Morrum Mining Project from Rapti River bed at Block No.-02, Gata No.- 04, Village- Tal Mahulani, Tehsil- Campierganj, District-Gorakhpur, U.P., (Leased Area: 5.0 ha.). File No. 5723/Proposal No. SIA/UP/MIN/162566/2020

The committee noted that the matter was earlier discussed in 489th SEAC meeting dated 10/09/2020 and directed the project proponent to submit following information:

1. Recalculate area and volume as per SSMMG, 2016.
2. Revised cluster certificate in prescribed format.
3. Geo coordinates of total lease area, workable, non-workable.
4. Form-1 should be revised accordingly.

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for River Bed Sand/ Morrum Mining Project from Rapti River bed at Block No.-02, Gata No.- 04, Village- Tal Mahulani, Tehsil- Campierganj, District-Gorakhpur, U.P., (Leased Area: 5.0 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/162566/2020,
2. File no. allotted by SEIAA, UP	5723

3. Name of Proponent	ShriDev Narayan S/o ShriKamtaKevat		
4. Full correspondence address of proponent and mobile no.	R/o- Chakrsul, Chaubepur, Nawabganj, Gonda, U.P.		
5. Name of Project	“Sand Mining” at Rapti River Bed		
6. Project location (Plot/Khasra/Gate No.)	Block No. 02, Gata No. 04		
7. Name of Village	Tal Mahulani		
9. Tehsil	Campierganj		
10. District	Gorakhpur		
11. Name of Minor Mineral	Ordinary Sand Mining		
12. Sanctioned Lease Area (in Ha.)	5.0Ha		
13. Altitude of the Area	The Highest Point at 79mRL in East direction. The Lowest Point at 75mRL in West direction. Zero Level: 75 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Area		
	Pillars	Latitude	Longitude
	A	27°03'10.8"N	83°11'18.02"E
	B	27°03'12.10"N	83°11'15.6"E
	C	27°03'27.10"N	83°11'31.2"E
	D	27°03'25.4"N	83°11'33.3"E
	Submerged Area		
	C	27°03'27.10"N	83°11'31.2"E
	C'	27° 3'25.83"N	83°11'32.81"E
	B'	27° 3'23.45"N	83°11'27.41"E
15. Toposheet No.	63M/4		
16. Total Geological Reserves	53,312 m ³		
17. Total Proposed Production (in five year)	1,25,000 m ³		
18. Proposed Production/year	25,000m ³ per annum		
19. Sanctioned Period of Mine lease	5 Years(State Govt. has given its consent vide letter no. संख्या07/खोलि-लेटरइटेड - 2020, गोरखपुर, दिनांक : 28.04.2020 for the exploitation of Sand for a period of five years having production capacity 25,000 m ³ /annum.)		
20. Production of mine/day	93 m ³ / day (167 MT/ day (Bulk Density- 1.8)		
21. Method of Mining	Open Cast, Semi-mechanized		
22. Drilling & Blasting	No		
23. No. of Working days	270 Days		
24. Working hours/day	8 hours/day		
25. No. of Workers	13 Manpower		
26. No. of vehicles movement/day	09 Units (Assumed Loading Capacity: 20 Tonnes/Unit)		
27. Type of Land	State Government Land		
28 Ultimate Depth of Mining	1.0 m (78 – 77 mRL)		
29. Nearest metalled road from site	GeruieBuzurg – Tal Mahulani Link Road, 480 m, NE		
30. Water Requirement	Source	Purpose	Avg. Demand/Day
	Portable Tanker	Drinking @15 lpcd/worker	13 workers x 15 lpcd = 195 Lit/day
		Land reclamation / plantation @2.5 Lit/Tree	125 Trees x 2.5 l/day = 312.5 Lit/day (@ 5 trees/ ha)
		Dust suppression @1 Lit/Sq.m (Twice in a	Haul Road Area = (480 m Length x 7 m Width = 6.72 KLD

	day)	$3360 \text{ m}^2 \times 1 \text{ l/Sq.m}$ $= 3360 \text{ Lit/day} \times 2 =$ 6720 Lit/day	
	Total		7.23 KLD)
31. Name of QCI Accredited Consultant with QCI No and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till April 03/2021		
32. Any litigation pending against the project or hand in any court	No		
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	पत्रांक: 77/khanij-2020, दिनांक: 23/05/2020 issued by Mining Officer Gorakhpur.		
34. Details of Lease Area in approved DSR	Sr. No. 36, Page No. 16 in DSR, Gorakhpur		
35. Total Proposed Project Cost	Rs. 87.09 Lakhs		
36. Proposed CER cost	Rs. 4.35 Lakhs		
37. Proposed EMP cost	Rs. 12.08 Lakhs (Haulage Road repair, Dust Suppression, Plantation, Plantation Care & Environmental Monitoring)		
38. Length and Width of Haul Road	Approach Road Length 480 m & Width 7 m)		
39. No. of Trees to be Planted	125 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-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-14

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. Before plantation in a selected area the soil testing should be done and species to be chosen accordingly.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. Selection of plants for green belt should be on the basis of pollution removal index.
5. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
6. Pakka motorable haul road to be maintained by the project proponent.
7. 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.
8. Permission from the competent authority regarding evacuation route should be taken.
9. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
10. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
11. 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.

12. Provision for cylinder to workers should be made for cooking.
13. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
14. Provide suitable mask to the workers.
15. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
16. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
17. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
18. Provision for two toilets and hand pumps should be made at mining site.
19. Drinking water for workers would be provided by tankers.
20. 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.
21. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
22. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
23. 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.
24. 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.
25. 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.
26. Width of the haul road shall be more than 6 meter.
27. 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.

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Meraj Uddin)
Member

(Dr. Ajoy Mandal)
Member

(Shri Rajive kumar)
Member

(Dr. Sarita Sinha)
Member

(Prof. S.K. Upadhyay,)
Member

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

Annexure-1

General and Specific Conditions for Gitti, Patthar & Boulder Mining Projects:-

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up loaded on the company's website and also displayed at website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dt. 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to day hours time only.
15. Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

17. The Project Proponent shall inform to the Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, Lucknow and State Pollution Control Board
19. The Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other documents information should be given to Regional Office of the MoEF, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

B. Specific Conditions:

1. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
3. This environmental clearance shall be subject to valid lease in favour of project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
4. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
5. Explosive cannot be stored on the site.
6. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
7. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
8. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore bearing area is worked for expansion.
9. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
10. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
11. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people

- for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.
12. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoE&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
 13. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only.
 14. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
 15. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The roads shall be black topped.
 16. Rain water harvesting shall be undertaken to recharge the ground water source.
 17. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
 18. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
 19. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
 20. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs, if any flowing through the ML area and silts arrested. De- silting at regular intervals shall be carried out.
 21. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de- silted at regular intervals.
 22. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
 23. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
 24. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
 25. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
 26. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
 27. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be

carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.

28. The project proponent will ensure for providing employment to local people as per requirement, necessary protection measures around the mine pit and waste dump and garland drain around the mine pit and waste dump.
29. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
30. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
31. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board on six monthly basis.
32. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
33. Permission for abstraction of ground water shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority and Regional Director, Central Ground Water Board.
34. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board and the State Pollution Control Board.
35. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
36. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
37. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any.
38. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
39. Project Proponent shall explore the possibility of using solar energy where ever possible.
40. Commitment towards CER has to be followed strictly.
41. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
42. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
43. The blasting will be done only after getting the permission from the Mining Department.

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

19. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
20. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., 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/Panchyat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.