

### **Minutes of 547<sup>th</sup> SEAC Meeting Dated 08/07/2021**

The 547<sup>th</sup> meeting of SEAC-1 & SEAC-2 (Jointly) was held through hybrid (physical as well virtual) mode using video conferencing in view of the Corona Virus Disease (Covid-19) on 08/07/2021. Following members participated in the meeting:

1.	Shri Rajive Kumar,	Chairman, SEAC-1
2.	Dr. Ajai Mishra,	Member, SEAC-1
3.	Dr. Brij Bihari Awasthi,	Member, SEAC-1
4.	Shri Umesh Chandra Sharma,	Member, SEAC-1
5.	Dr. Ratan Kar,	Member, SEAC-1 (through VC)
6.	Dr. Harikesh Bahadur Singh,	Chairman, SEAC-2
7.	Dr. Amrit Lal Haldar,	Member, SEAC-2
8.	Dr. Dineshwar Prasad Singh,	Member, SEAC-2 (through VC)
9.	Shri Tanzar Ullah Khan,	Member, SEAC-2
10.	Prof. Jaswant Singh,	Member, SEAC-2
11.	Shri Shiv Om Singh,	Member, SEAC-2 (through VC)
12.	Director, Environment	Member Secretary, SEAC-1 & SEAC-2

The Chairman welcomed the members to the 547<sup>th</sup> SEAC meeting which was conducted in hybrid mode.

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

1. **"Building Stone (Khanda, Gitti & Boulder) Mine" at Gata No.- 339, Khand No.-09, at Village- Daharra, Mahoba, U.P., M/s Shivam Granite, Area -0.809 ha. File No. 6116/5132/Proposal No. SIA/UP/MIN/ 59752/2019**

The committee noted that the matter was earlier discussed in 527<sup>th</sup> SEAC meeting dated 24/02/2021 and decided as follows:

“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 decided that a site visit/spot verification shall be undertaken by Dr. Ranjeet Kumar Dalela and Dr. Virendra Misra, Members, SEAC at the earliest. The case will be appraised after getting the inspection report.”

A site visit was undertaken by Dr. Ranjeet Kumar Dalela, Member, SEAC Dr. Virendra Misra, Member, SEAC, Shri Shailendra Singh, District Mining Officer and Shri Ishwar Chand, Mining Inspector on 05/03/2021 and inspection report submitted to the Chairman, SEAC on 15/03/2021. The project proponent vide letter dated 18/03/2021 have requested to list the matter in next SEAC meeting. Hence, the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021. The project proponent submitted the affidavit related to the erection of pillars as per the Geo-coordinates of mining plan along with the photographs.

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:-

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1. The environmental clearance is sought for Building Stone Mining at Gata No.-339, Khand No.- 09, Village- Daharra, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 0.809 ha.), M/s Shivam Granite.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 556/Parya/SEAC/5132/2019, dated 20/01/2020.
3. The public hearing was organized on 13/12/2020. Final EIA report submitted by the project proponent on 09/01/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/59752/2019		
2.	File No. allotted by SEIAA, UP	6116 & 5132		
3.	Name of Proponent	M/s Shivam Granite Prop.- Shri Ramkishore Singh S/o Shri Guruprasad Singh		
4.	Full correspondence address of proponent	R/o- Gandhi Nagar, Mahoba, U.P.		
5.	Name of Project	Building Stone (Khanda, Gitti & Boulder) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-339, Khand No.- 09		
7.	Name of Village	Daharra		
8.	Tehsil	Mahoba		
9.	District	Mahoba		
10.	Name of Minor Mineral	Building Stone (Khanda, Gitti & Boulder)		
11.	Sanctioned Lease Area (in Ha.)	0.809 ha.		
12.	Max.& Min mRL within lease area	195.0 mRL- 185.0 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 20' 03.47"	79° 58' 11.16"
		B	25° 20' 01.34"	79° 58' 15.79"
		C	25° 19' 59.25"	79° 58' 11.84"
14.	Total Geological Reserves	3,76,304 m <sup>3</sup>		
15.	Total Mineable Reserves	2,34,189 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	2,34,000 m <sup>3</sup>		
17.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	46,800 m <sup>3</sup>	
		2 <sup>nd</sup>	46,800 m <sup>3</sup>	
		3 <sup>rd</sup>	46,800 m <sup>3</sup>	
		4 <sup>th</sup>	46,800 m <sup>3</sup>	
		5 <sup>th</sup>	46,800 m <sup>3</sup>	
		Total	2,34,000 m <sup>3</sup>	
18.	Sanctioned Period of Mine lease	10 Years (from 19.01.2019 to 18.01.2029)		
19.	Production of mine/day	156 m <sup>3</sup>		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No.of working days	270 days		
22.	Working hours/day	8 Hours/Day		
23.	No.Of workers	38 (approx.)		
24.	No.Of vehicle movement /day	16 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	24 meter (average)		
27.	Nearest metalled road from site	0.30 km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.40	
		Suppression of dust	3.60	
		Plantation	0.10	
		Others( if any)	-----	

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		Total	4.10
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 1045/MMC-30/ 2018-19 Dated 24 <sup>th</sup> June, 2019	
32.	Details of Lease Area in approved DSR	Page No.-85, S.No.- 45	
33.	Proposed CER cost	1.40 Lakh	
34.	Proposed EMP cost	11.70 Lakh	
35.	Length and breadth of Haul Road.	Length- 0.30 Km, Width- more than 6.0 m	
36.	No. of Trees to be Planted	100	

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

**RESOLUTION AGAINST AGENDA NO-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 the minutes.

2. **T T S Cement at Plot No.- D-11, UPSIDE, Shidhwan Industrial, District- Jaunpur, U.P., Shri Prakash Singh, M/s T T S Cement. File No. 4865/Proposal No. SIA/UP/IND/37675/2019**

**RESOLUTION AGAINST AGENDA NO-02**

The project proponent vide letter dated 08/07/2021 requested to defer the matter in next SEAC meeting. The SEAC discussed the letter and directed to defer the matter as per request made by 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. **Stone (Khanda, Gitti, Boulder) Mining at Gata No.-442 Ga, Khand No.-02, at Village-Dongri, Tehsil-Sadar, Jhansi. Shri Vinay Kumar., Area-1.618 ha. File No. 5984/Proposal No. SIA/UP/MIN/181359/2020**

The committee noted that the matter was earlier discussed in 510<sup>th</sup> SEAC meeting dated 10/12/2020 and decided as follows:

“The committee discussed the matter and observed that the project proponent has not submitted the approved District Survey Report of District, Jhansi. Hence, the committee directed to defer the matter. The matter will be discussed only after submission of online information on prescribed portal. ”

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The project proponent submitted their replies vide letter dated 24/03/2021. Hence, the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021. 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 Stone (Khanda, Gitti, Boulder) Mining at Gata No.-442 Ga, Khand No.-02, Village- Dongri, Tehsil-Sadar, Jhansi, U.P. (Leased Area-1.618 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Sr. No. 3 , 547th SEAC-1 & SEAC-2 Joint Meeting, Date : 8-07-2001			
2. On-line proposal No.	SIA/UP/MIN/181359/2020			
3. File no. allotted by SEIAA, UP	5984			
4. Name of Proponent	Shri Vinay Kumar S/o Shri Lala Ram Verma			
5. Full correspondence address of proponent and mobile no.	748, Vanshi Gauhara, Thana-Kotwali Mainpuri, District-Mainpuri (U.P).			
6. Name of Project	Building Stone “Khandas, Gitti, Boulder.” Mining Project			
7. Project location (Plot/Khasra/Gata No.)	Gata No. 442 Ga (Khand No. 02), Area – 1.618Ha, Village: Dongri, Tehsil: Sadar, District: Jhansi (U.P.)			
8. Name of Minor Mineral	Building Stone “Khandas, Gitti, Boulder.”			
9. Schedule (as per EIA notification 2006)	1(a)i			
10. Category of Project	B2			
11. Sanctioned Lease Area (in Ha.)	Total Lease Area: 1.618 Ha			
12. Project Status	New Mine, District Magistrate has given consent vide letter no. 896/30, MMC/2020 - 21 dated 02.09.2020, Mining Lease area granted for maximum 20 years.			
13. Max. & Min mRL within lease area	The Highest Point at 283.50 m The Lowest Point at 270.20 m			
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitudes (N)		Longitudes (E)
	A	25°25'28.85"N		78°28'40.42"E
	B	25°25'25.59"N		78°28'40.17"E
	C	25°25'24.94"N		78°28'45.92"E
	D	25°25'28.14"N		78°28'46.21"E
15. Total Geological Reserves	4, 22, 405 m <sup>3</sup>			
16. Total Mineable Reserves (in approved mining plan)	1,75,880 m <sup>3</sup>			
17. Proposed Production/year	32,360 m <sup>3</sup> per annum			
18. Sanctioned Period of Mine lease	Twenty years			
19. Production of mine/day	124.5 m <sup>3</sup> /day			
20. Method of Mining	Open Cast - Semi Mechanized			
21. No. of Working days	260 Days			
22. Drilling & Blasting	Yes (if Required)			
23. Working hours/day	8 hours/day			
24. No. of Workers	35 Manpower			
25. No. of vehicles movement/day	13 Units (Assumed Loading Capacity: 10 m <sup>3</sup> /Unit)			
26. Type of Land	State Government Land			
27. Ultimate Depth of Mining	24 m (280mRL – 256mRL) (source: Approved Mining Plan)			
28. Nearest metalled road from site	Metalled Road 400 m from the lease area			
29. Water Requirement	Source	Purpose	Detail	Avg. Demand /Day(in

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				KLD)
	Portable Tanker	Drinking @ 15lpcd/worker	35 workers x 15 lpcd = 525 lit/day	0.53 KLD
		Land reclamation/plantation @ 5 Lit/Tree	250 Trees x 5 lpcd = 1250 Lit/day	1.25 KLD
		Mine operation /others	-	1.0 KLD
		Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Haul Road Area = (400 m Length x 7m Width = 2800 m <sup>2</sup> ) x 1 lit/sq.m = 2800 lit x 2 (twice in a day) = 5600 lit/day	5.6 KLD
	Total			8.38 KLD
30. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till September 29/2021			
31. Any litigation pending against the project or hand in any court	No			
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 1558/30 MMC/2020-21 दिनांक- 26/11/2020			
33. Details of Lease Area in approved DSR	Detail in Sr. No. 46			
34. Mining Lease Area	1.618 Ha			
35. Total Cost of Project	Rs. 75.04 Lakhs			
36. Proposed CER Cost	Rs. 3.75 Lakhs (5% of the total Project Cost)			
37. Proposed EMP Cost	Rs. 17.14 Lakhs			
38. Length and breadth of Haul Road	Haulage Road Length 400 m & Haulage Road Width 7 m			
39. No. of Trees to be Planted	250 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. 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.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-03**

The committee observed that in allotment letter of District Magistrate letter dated 02/09/2020 it has been mentioned that the project proponent shall follow all the order passed by the Hon'ble High Court. 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 the minutes. However, the grant of this EC will be subject to the decision of Hon'ble High Court as mentioned in the said letter of District Magistrate.

**4. “Mega Leather Cluster” at Village- Kuraina Bahadurnagar & Senpurab Para Near Ramaipur, Kanpur. Sri Ashraf Rizwan, Director, M/s Mega Leather Cluster. File No. 2070**

The committee note that the matter was taken up by SEIAA in it's 212<sup>th</sup> meeting dated 29/05/2018 wherein, SEIAA referred back the project to SEAC for review the case in the light of public hearing.

The committee discussed the matter in its 347<sup>th</sup> SEAC meeting dated 03/07/2018 wherein, the committee directed the project proponent to conduct public hearing for it is not exempted in the matter. A joint committee constituted by Chairman, SEIAA will visit the site and submit their recommendation regarding the project. The matter shall be discussed after submission of site visit report.

In the 222<sup>nd</sup> meeting of SEIAA held on 26/07/2018 the SEIAA agreed with the recommendations of the SEAC that public hearing in the above case is not exempted. Regarding the site visit committee comprising of RO, UPPCB and SEAC members Dr. Sarita Sinha, Prof. D.P. Singh and Dr. Virendara Mishra is constituted by SEIAA.

The public hearing was conducted by the UP Pollution Control Board, Regional Officer, Kanpur on 06/02/2021 under the Chairmanship of Additional District Magistrate (Nagar), Kanpur Nagar. Site visit was not conducted by the committee constituted by SEIAA. The project proponent submitted final EIA report to the SEIAA on 06/07/2021 and the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021.

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

1. The environmental clearance is sought for “Mega Leather Cluster” at Village Kurauna Bahadur Nagar & Village Senpurab Para, Ramaipur, Kanpur District, U.P.
2. Proposed Industrial Estate “Mega Leather Cluster” will be developed at Villages Kurauna Bahadur Nagar & Senpurab Para near Ramaipur District, Kanpur Nagar District, U.P. on land admeasuring 708202.78 sqm (175 acres) land having 138 tannery units.
3. The land has been allotted by U.P.S.I.D.C. to “M/s Mega Leather Cluster Development (U.P.) Ltd.” by UPSIDC for setting up of the Park under the Mega Leather Cluster scheme of DIPP. The area is in a proposed new industrial estate.
4. The Terms of Reference (TOR) for the proposed Leather clusters vide Reference No. 337/Parya./2070/SEAC/2013/OSD-T Dated 19 May, 2014.
5. The proposed water requirement is 19822 KLD out of which 19458 KLD will be met from the Public water supply system/Ground water supply. The waste water generated will be 17555 KLD i.e. 17297 KLD from process waste water and 258 KLD waste water from domestic, DG cooling etc.
6. About 945 kg/day solid wastes will be generated from the project. The biodegradable waste (662 kg/day) shall be sent to vermi-composting site within the project site and the generated non-biodegradable waste (283 kg/day) will be handed over to the approved recycler.
7. Total Power requirement for the proposed project is 15750 KW. Power will be sourced from Uttar Pradesh State Electricity Board. Also, during power failure, DG Set of capacity 1x62.5 KVA for each leather industry unit & 2x250 KVA for common services will be installed.
8. Mega Leather Cluster will develop greenbelt in an area of 21% i.e. 149430.79 m<sup>2</sup> out of the total area of the project.

9. Cost of the Project is estimated to be Rs. 2717 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs 26.18 Crores and the Recurring cost (operation and maintenance) will be about Rs 3.85 Crores per annum.

**10. Solid Waste Management:**

Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (kg/day)
Bio Degradable	Organic Waste	Green	Vermi-composting site within the project site	662
Non-Biodegradable	Recyclable Waste	Blue	Authorized Recycler	283
Total				945 kg/day

**11. Process Waste:**

Process waste	In kg/Hide	Disposal method	Type A (InTPD)	TypeB (InTPD)	Total (In TPD)
Fleshing	2	Fleshing will be sold to glue manufacturers	14.4	32.4	46.8
Shaving	1	Shaver dust will be sold to leather board manufacturer	7.2	16.2	23.4
Trimming	1	Trimming or splitting will be sold to lower quality of leather goods manufacturers, fly ash to fertilizers, brick manufacturer	7.2	16.2	23.4
Total			28.8	64.8	93.6

**12. Hazardous Waste:**

S. No.	Waste	Disposal Method	Quantity
1	Used Oil	Sold to vendors authorized by Central Pollution Control Board	207 lt/month
2.	CETP Sludge	shall be stored within the project site as per CPCB/MOEF guidelines. It shall be disposed of at the Hazardous Waste Landfill Site proposed within the project premises.	23384 kg/day

13. The project falls under category B of schedule 7 (c) as per the EIA Notification dated 14th September 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-04**

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

**PART-A : SPECIFIC CONDITIONS:**

**I. Construction Phase:**

1. Affidavit should be submitted by the project proponent to take total responsibility of leather cluster park to comply all the conditions and measures stipulated by the SEAC/SEIAA. .
2. Plan for solid waste management disposal facility within the unit premises.
3. Maps with legend alongwith the project site details.
4. Proponent of Mega leather cluster should obtain permission letter/ MOU from Concerning authority of Jal Nigam/ regarding supply of water for industrial/ domestic uses.
5. Proponent of Mega Leather Cluster should create proper common treatment facility in Mega Leather Complex for treatment of processing waste (flushing, shaving, trimming etc.) of tannery units and other.

6. Proponent of Mega Leather Cluster should ensure that no effluent from the cluster should be discharge in any water body.
7. The green belt of 15 meters width should be provided all around the proposed cluster.
8. A Central Chrome recovery unit should be provided within the proposed cluster. No individual Chrome recovery units should be provided by any of the leather units.
9. TSDF shall comply with all norms of regulatory authority during construction and operation phase. Additionally common facility for hazardous waste (TSDF) shall be developed as per CPCB guidelines for hazardous waste generated from individual units/ CETP/chrome recovery units and other sources for safe disposal of hazardous waste in the premises of Mega Leather Cluster.
10. Continuous monitoring of the combined effluent should be carried out for all CETP parameters. State Pollution Control Board (SPCB) shall monitor the same.
11. No solid waste should be disposed out of the leather cluster.
12. Installation of trash bar screen shall be put in place at the intake well to avoid fish entrapment.
13. The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity. It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.
14. The connecting road to the industrial area should be designed for multi-axle vehicles.
15. All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures Submitted in the Era report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF&CC along with half yearly compliance report to MoEF&CC, Regional Office.
16. The storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the capacity of storm water drainage. The separate pipelines for different types of effluent waste from the Leather cluster to CETP should be lay down in the Mega Leather cluster to avoid the mixing of different types of effluent before reaching to the CETP in view of the various order passed by Hon'ble National Green Tribunal (NGT).
17. 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. The housing may be in the form of temporary structures to be removed after the completion of the project.
18. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
19. A First Aid Room will be provided in the project both during construction and operation of the project.
20. All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site.
21. Disposal of muck during development/ construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
22. Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
23. The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
24. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
25. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.



26. 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 development 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/SPCB.
27. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification.
28. Ready mixed concrete must be used in site development and building construction.
29. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
30. Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality low E value glass.
31. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
32. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is inspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
33. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
34. Regular supervision of the above and other measures for monitoring should be in place all through the development t/ construction phase, so as to avoid disturbance to the surroundings.
35. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
36. The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

**Operation Phase:**

1. CETP including other facilities and individual units to be set up in this leather cluster will require to take separate environmental clearance as per provisions of EIA notification, 14/09/2006 (as amended).
2. The project authority shall install the complete treatment plant to achieve zero liquid discharge prior to start of the project to achieve the standards prescribed by Uttar Pradesh Pollution Control Board. No liquid waste will be discharged outside the premises of leather cluster.
3. The proponent should comply all the orders of Hon'ble Supreme Court/Hon'ble High Court, Hon'ble NGT/ Hon'ble Court(s) regarding the ZLD technology.
4. The project authorities shall develop 33% of the total area as green area as per the guidelines of State Govt. to mitigate the effect of odour nuisance from the plant with peripheral green and tree plantation in road at 05 m. Action plan to control odour pollution should submit within 3 months.
5. The common facility must ensure proper collection of process waste including metering of waste generated from tannery unit.
6. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
7. Only leather goods fabrication and related non polluting processes will be carried out in the cluster.
8. 100% waste water shall be treated in-house and treated effluent should conform to the prescribed standards of receiving body/designated uses. The project proponent shall plan and implement for optimal utilization of treated wastewater in the campus of the Mega Leather Cluster to achieve zero liquid discharge as far as possible. Excess treated water may be managed and utilized in

- judicious and environment friendly manner to avoid water logging. The excess treated water, if available shall be discharged to water receiving body conforming to discharge standards .
9. The project proponent shall plan and implement roof top/ surface runoff rain water harvesting/rain water recharge and other water conservation measures . The rain water harvested water shall be utilized for various industrial processes/domestic purposes/ green belt development so as to reduce the water requirement from the public water supply system.
  10. Execution of EMP shall be ensured by the project proponents even after completion of the proposed project.
  11. 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, if applicable.
  12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  13. 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 species in the study area).
  14. 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.
  15. The project proponent and all unit holders shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
  16. The project proponent shall ensure that CETP is implemented by the SPV itself which will be accountable to ensure achieving the standard of treated water that can be re-cycled back for leather processing. The SPV can charge the units for re-cycled water cost to meet the debt service cost, O&M cost and profit on equity for constructing and operating the CETP. This is an accepted norm for zero discharge leather CETP. The SPV will be responsible and accountable to ensure meeting the pollution standard norms apart from implementing the zero liquid discharge CETP.
  17. The project proponent shall provide 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.
  18. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
  19. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
  20. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
  21. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
  22. Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts. above the highest ground water table.
  23. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading should be fully internalized and no public space should be utilized.

24. A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the MoEF&CC, Regional Office and SEIAA, U.P.
25. 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.
26. The company shall have a well laid down environmental policy duly approve 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 holder. The company should also take all precautionary measure to preserve biodiversity of the area. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
27. Energy conservation measures like installation of LEDs/CFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use LEDs and CFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
28. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
29. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
30. The SEIAA/ MoEF&CC may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. The SEIAA/MoEF reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
31. The project proponent shall follow all the rules/guidelines prescribed by various authorities like Ho'ble Courts, CPCB, MoEF&CC, SPCB etc. from time to time and the project proponent will be bound to implement these orders.

**PART – B : GENERAL CONDITIONS**

1. The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
2. Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.
3. Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Lucknow
4. A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
5. 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 this Ministry and its concerned Regional Office.

**5. Stone Crusher at Khasra No.-54 & 254, Village- Bartha Korsi, Paragana-Faizabad, Tehsil-Behat, Saharanpur., M/s Sanjay Construction. File No. 5838**

The committee noted that the matter was earlier discussed in 458<sup>th</sup> SEIAA meeting dated 25/03/2021 and directed as follows:

“SEIAA gone through the letter of the project proponent dated 04.03.2021 regarding the correction in issued EC letter dated 02.03.2021. SEIAA opined to refer the matter to the SEAC for correction in the minutes as the Gata number has changed.”

As per the direction of SEIAA, the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021. The project proponent vide letter dated 04/03/2021 informed that the environmental clearance for the above proposal was issued by SEIAA, U.P. vide letter no. 780/Parya/SEIAA/5838/2020 dated 02/03/2021 and due to typographical error in EC letter the khand no. mentioned as 51/1 & 51/2 Khasra No. 54 & 254 instead of Khasra No. 54 & 254. The project proponent requested to remove the “Khand No. 51/1 & 51/2” mentioned in environmental clearance dated 02/03/2021.

**RESOLUTION AGAINST AGENDA NO-05**

The SEAC went through the file and documents (Form-1, PFR etc.) and observed that due to typographical error the khand no. 51/1 & 51/2 mentioned in environmental clearance dated 02/03/2021. Hence, the SEAC recommended to amend the environmental clearance dated 02/03/2021 accordingly.

Rest all the contents mentioned in environmental clearance letter no. 780/Parya/SEIAA/5838/2020 dated 02/03/2021 shall remain the same.

**6. Stone Crusher at Khasra No.-57/1 & 51/2, Village-Said Mohammadpur, Paragana-Faizabad, Tehsil-Behat, Saharanpur., M/s Neelkanth Stone. File No. 5839**

The committee noted that the matter was earlier discussed in 458<sup>th</sup> SEAC meeting dated 25/03/2021 and directed as follows:

“SEIAA gone through the letter of the project proponent dated 04.03.2021 requesting for correction in EC issued vide letter no. 781/Parya/SEIAA/5839/2020 dated 02.03.2021. SEIAA noted that EC was granted on the recommendation of SEAC. Hence SEIAA opined to refer the letter to SEAC for review/comments as the Gata no. /production is different.”

The project proponent vide letter dated 04/03/2021 informed that the environmental clearance for the above proposal was issued by SEIAA, U.P. vide letter no. 781/Parya/SEIAA/5839/2020 dated 02/03/2021 and due to typographical error in EC letter the name of stone crusher, location, area etc. mentioned in file no. 5838 instead of file no. 5839. The project proponent requested to amend the environmental clearance letter dated 02/03/2021 as per details given below:

1. Details of proposed amendment in environmental clearance letter dated 02/03/2021:

S.N.	Item	Details
1.	File No.	5839
2.	Name of the project	Stone Crusher Unit of M/s Neelkanth Stone Products located at Khand No. 51/1 & 51/2, Village- Said Mohammadpur, Pargana-

		Faizabad, Tehsil- Behat, District- Saharanpur (U.P.)
3.	Name of the applicant and registered address	Shri Anil Kumar S/o Shri Gyan Chand R/o 165, Khizarabad East, Yamuna Nagar, Haryana-135021
4.	Sl. No. in the schedule	Not covered in the schedule of EIA Notification 2006 (as amended)
5.	Category of Project i.e. 'A' or 'B'	Not applicable as it is not in the schedule of EIA Notification 2006 (as amended)
6.	Proposed capacity	Storage capacity- 1,00,000 MT on 03.12.2018. Production capacity: Boulder- 240 MT/day, Core Sand- 30 MT/day, Bajri- 30 MT/day, River Stone & Riverbed Material- 300 MT/day
8.	Area of the Crusher Plant	17,560 m <sup>2</sup> /4.34acres/ 1.75 ha
9.	Geographical location of the crusher unit	Latitude - 30°15'7.60"N Longitude - 77°32'27.00"E
10.	Nearest Railway station/airport	Kalanour Railway Station- 27 Km*(SW) Sarsawa Airport- 31 Km*(SW)
11.	Highways	SH6A – 5.5 km*(E) NH73A – 5.5 km*(NW)
12.	Interstate boundary	Uttar Pradesh-Haryana: 1.2 km* (W)
13.	Water body	Yamuna River flowing at 1.2 km* (W)

**RESOLUTION AGAINST AGENDA NO-06**

The SEAC went through the file and documents (Form-1, PFR etc.) and observed that due to typographical error the details mentioned in environmental clearance dated 02/03/2021 was wrong and the SEAC recommended to amend the environmental clearance dated 02/03/2021 as per above project details.

Rest all the contents mentioned in environmental clearance letter no. 781/Parya/SEIAA/5839/2020 dated 02/03/2021 shall remain the same.

**7. Proposed Sand and Bolder mining at Gata No.1939, Village-Pahara, District-Mahoba, Lease area-3.0 acres. File No. 1598**

**RESOLUTION AGAINST AGENDA NO-07**

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.

**8. Sand Mining from Betwa River Bed at Khand No.-23/7, Village- Bhedi Kharka, Tehsil-Sarila, Hamirpur.M/s Pehalwan Traders,Area:12.145 ha. File No. 4141/Proposal No. SIA/UP/MIN/ 22490/2018**

**RESOLUTION AGAINST AGENDA NO-08**

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.

**9. Stone (Khanda, Gitti & Boulder) Mine at Gata No./Araji No./Plot No.-719, Khand No.-30, at Village- Goramachhiya, Jhansi, Shri Ashish Kumar Singh., M/s Ashish Enterprises, Area -1.214 ha. File No. 4852/Proposal No. SIA/UP/MIN/37042/2019**

The committee noted that the matter was earlier discussed in 528<sup>th</sup> SEAC meeting dated 03/03/2021 and directed the project proponent to submit following information:

1. Salient features of the project with photo affidavit.
2. DSR approved by competent authority.
3. Affidavit regarding latest decision of Hon'ble Court.
4. Verified lease map in ammonia print.

The project proponent submitted their replies vide letter dated 26/03/2021. Hence, the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021. 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 Building Stone (Khanda, Gitty, Boulder) mine, at Gata No./Araji No. /Plot no. – 719 khand No. 30, Area- 1.214 ha. (2.99 Acres) at Village – Goramachhiya, Tehsil & District- Jhansi, Uttar Pradesh of M/s Ashish Enterprises.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 317/Parya/SEAC/4852/2019, dated 24/10/2019.
3. The public hearing was organized on 10/11/2020. Final EIA report submitted by the project proponent on 21/01/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/37042/2019									
2.	File No. allotted by SEIAA, UP	4852									
3.	Name of Proponent	Ashish kumar singh (Partner)									
4.	Full correspondence address of proponent and mobile no.	Ashish kumar singh (Partner) S/o Shri Kailash Singh, R/o station road, Paraichha Tehsil & District- Jhansi, Uttar Pradesh. Mobile no. – E mail ID - ashishenterprisesjhansi2019@gmail.com									
5.	Name of Project	Environmental Clearance for Building Stone (Khanda, Gitty, Boulder) mine, at Gata No./Araji No. /Plot no. – 719 khand No. 30, Area- 1.214 ha. (2.99 Acres) at Village – Goramachhiya, Tehsil & District- Jhansi, Uttar Pradesh of M/s Ashish Enterprises.									
6.	Project Location (Plot. Khasra/Gata No.)	– 719 khand No. 30									
7.	Name of River	Betwa River – 5.0 km (E)									
8.	Name of Village	Goramachhiya, Tehsil & District- Jhansi, Uttar Pradesh									
9.	Tehsil	Jhansi									
10.	District	Jhansi									
11.	Name of Minor Mineral	Building Stone (Khanda, Gitty, Boulder)									
12.	Sanctioned Lease Area (in Ha.)	1.214 ha									
13.	Max. & Min mRL within lease area	Highest 211.20 mRL Lowest: 203.10 mRL									
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 27.772'</td><td>78° 40.808'</td></tr> <tr> <td>B</td><td>25° 27.829'</td><td>78° 40.843'</td></tr> </tbody> </table>	Point	Latitude	Longitude	A	25° 27.772'	78° 40.808'	B	25° 27.829'	78° 40.843'
Point	Latitude	Longitude									
A	25° 27.772'	78° 40.808'									
B	25° 27.829'	78° 40.843'									

		C	25° 27.788'	78° 40.906'
		D	25° 27.764'	78° 40.887'
		E	25° 27.774'	78° 40.844'
		F	25° 27.762'	78° 40.834'
15.	Total Geological Reserves	4,70,787 m <sup>3</sup>		
16.	Total Mineable Reserve	2,63,787 m <sup>3</sup>		
17.	Total Proposed Production	60,700 m <sup>3</sup> (5 years)		
18.	Proposed Production /year (as per LoI)	12,140 m <sup>3</sup> /annum		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	41 m <sup>3</sup> /day		
21.	Method of Mining	Opencast, /Semi-mechanized		
22.	No. of working days	300		
23.	Working hours/day	8		
24.	No. of worker	21		
25.	No. of vehicles movement/day	6		
26.	Type of Land	Govt./Non Forest Land (riverbed)		
27.	Ultimate of Depth of Mining	12.0 m		
28.	Nearest metalled road from site	0.89 km		
29.	Water Requirement	PURPOSE		
		Drinking - 0.21 KLD		
		Suppression of dust - 10.68 KLD		
		Plantation - 0.366 KLD		
		Others (if any) - 0.00 KLD		
		Total - 12.25 KLD		
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development 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 – 2291/30MMC/(2020-21) dated - 27/02/2021		
33.	Details of Lease Area in approved DSR	Serial no. 40 Page no. 04		
34.	Project Cost	75.0 lacs/annum		
35.	Proposed CER cost	1.50 lacs/annum		
36.	Proposed EMP cost	13.69 lacs		
37.	Length and breadth of Haul Road	Length – 0.89 km Breadth – 6.00 m		
38.	No. of Trees to be Planted	366 Trees		

39. 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.
40. 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.
41. There is no litigation pending in any court regarding this project.
42. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

### **RESOLUTION AGAINST AGENDA NO-09**

**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 the minutes.**

**10. Stone (Khanda, Gitti & Boulder) Mining at Gata No./Araji No./ Plot No.-643, Khanda No.- 17, at Village- Goramachhiya, Tehsil & District- Jhansi, U.P., Shri Sanjay Kumar Gupta., Area -2.306 ha. File No. 4892/Proposal No. SIA/UP/MIN/36975/2019**

The committee noted that the matter was earlier discussed in 531<sup>st</sup> SEAC meeting dated 10/03/2021 and directed the project proponent to submit following information:

1. Salient features of the project with photo affidavit.
2. Verified lease map in ammonia print along with verified geo coordinates.
3. Revised form-1 according to geo-coordinates.
4. Readable copy of public hearing.

The project proponent submitted their replies vide letter dated 26/03/2021. Hence, the matter was listed in 547<sup>th</sup> SEAC meeting dated 08/07/2021. 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 Building Stone (Khanda, Gitti, Boulder) Mining, at Gata No./Araji No. /Plot no. –643, khand No. 17, Village – Goramachhiya, Tehsil & District - Jhansi, Uttar Pradesh, (Leased : Area 2.306 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 552/Parya/SEAC/4892/2019, dated 20/01/2020.
3. The public hearing was organized on 22/12/2020. Final EIA report submitted by the project proponent on 17/02/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/36975/2019												
2.	File No. allotted by SEIAA, UP	4892												
3.	Name of Proponent	Sanjay Kumar Gupta												
4.	Full correspondence address of proponent and mobile no.	R/o 1/1, Virangana Nagar, Kanpur Road, Tehsil & District- Jhansi, Uttar Pradesh Mobile no. – E mail ID - sanjayguptaj5@gmail.com												
5.	Name of Project	Environmental Clearance for Building Stone (Khanda, Gitti, Boulder) Mining, at Gata No./Araji No. /Plot no. –643, khand No. 17, Area 2.306 ha. (5.69 Acres) at Village – Goramachhiya, Tehsil & District - Jhansi, Uttar Pradesh												
6.	Project Location (Plot. Khasra/Gata No.)	643, khand No. 17												
7.	Name of River	Betwa River – 5.0 km (E)												
8.	Name of Village	Goramachhiya, Tehsil & District- Jhansi, Uttar Pradesh												
9.	Tehsil	Jhansi												
10.	District	Jhansi												
11.	Name of Minor Mineral	Building Stone (Khanda, Gitty, Boulder)												
12.	Sanctioned Lease Area (in Ha.)	2.306 ha												
13.	Max. & Min mRL within lease area	Highest 239.20 mRL Lowest: 228.10 mRL												
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 27.878'</td><td>78° 40.345'</td></tr> <tr> <td>B</td><td>25° 27.946'</td><td>78° 40.406'</td></tr> <tr> <td>C</td><td>25° 27.937'</td><td>78° 40.479'</td></tr> </tbody> </table>	Point	Latitude	Longitude	A	25° 27.878'	78° 40.345'	B	25° 27.946'	78° 40.406'	C	25° 27.937'	78° 40.479'
Point	Latitude	Longitude												
A	25° 27.878'	78° 40.345'												
B	25° 27.946'	78° 40.406'												
C	25° 27.937'	78° 40.479'												



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		D	25° 27.914'	78° 40.505'
		E	25° 27.885'	78° 40.507'
15.	Total Geological Reserves	9,28,355 m <sup>3</sup>		
16.	Total Mineable Reserve	3,01,194 m <sup>3</sup>		
17.	Total Proposed Production	1,15,300 m <sup>3</sup> (5 years)		
18.	Proposed Production /year (as per LoI)	23,060 m <sup>3</sup> /annum		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	77 m <sup>3</sup> /day		
21.	Method of Mining	Opencast, /Semi-mechanized method		
22.	No. of working days	300		
23.	Working hours/day	8		
24.	No. of worker	20		
25.	No. of vehicles movement/day	6		
26.	Type of Land	Govt./Non Forest Land (riverbed)		
27.	Ultimate of Depth of Mining	12.0 m		
28.	Nearest metalled road from site	0.50 km		
29.	Water Requirement	PURPOSE		
		Drinking - 0.20 KLD		
		Suppression of dust - 6.00 KLD		
		Plantation - 0.21 KLD		
		Others (if any) - 0.00 KLD		
		Total - 6.41 KLD		
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 19/07/2021		
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 – 23.09/30MMC/(2020-21) dated - 03/03/2021		
33.	Details of Lease Area in approved DSR	Serial no. 27 Page no. 03		
34.	Project Cost	94.00 lacs/annum		
35.	Proposed CER cost	1.88 lacs/annum		
36.	Proposed EMP cost	7.87 lacs		
37.	Length and breadth of Haul Road	Length – 0.50 km Breadth – 6.00 m		
38.	No. of Trees to be Planted	210 Trees		

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

**RESOLUTION AGAINST AGENDA NO-10**

**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 the minutes.**

**11. Establishment of New B-heavy Molasses/Sugar Syrup or C-heavy Molasses based distillery having capacity: 100 KLD along with 2.5 MW Co-gen power at Khasra No.- 1237, 1244, 1238, 1240, 1241, 1243 at Village- Agwanpur , Tehsil & District-Moradabad, U.P, M/s Dewan Sugar Ltd. File No. 6348/Proposal No. SIA/UP/IND2/63004/2021**

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

1. The environmental clearance is sought for establishment of new B-Heavy Molasses/Sugar Syrup or C-heavy Molasses based distillery having capacity: 100 KLD along with 2.5 MW Co-gen power at Khasra No.- 1237, 1244, 1238, 1240, 1241, 1243, Village- Mugalpur Urf Agwanpur Mustahk, Tehsil & District-Moradabad, U.P, M/s Dewan Sugar Ltd.
2. Salient features of the project:

Sr. No.	Attributes	Details of Distillery Project	
1	Proposed capacity of Plant	Proposed 100 KLD Distillery based on B - heavy Molasses / Sugar Syrup/ C Heavy Molasses along with 2.5 MW Co gen Power .	
2	Project Location	Khasra No –1237, 1244, 1238, 1240, 1241, 1243, Village: Mugalpur Urf Agwanpur Mustahk, Tehsil & Distt –Moradabad, Uttar Pradesh	
3	Total project cost	Rs 12500.00 Lakh (Estimated).	
4	Total project area	Proposed Project area : 4.682 Hectare.	
5	Category of Project	Category : B - 1 and Schedule : 5 (g)	
6	Process Involve	Production from B- heavy Molasses /Sugar Syrup/ C Heavy Molasses : 1.Molasses dilution / Syrup preparation / Handling 2. Yeast Propagation 3. Fermentation 4. Multi Pressure Distillation 5. Multi Effect Evaporation 6. Incineration Boiler 7.Alcohol daily receivers & bulk storage.	
7	Product and by product	RS/ ENA / Ethanol (AA) - 100 KLD By-product : CO <sub>2</sub> - 78 MT/Day	
8.	RAW MATERIAL AND ITS QUANTITY		
Mode – 1, B - heavy molasses based			
I.	Molasses (B heavy)	317 MT/Day	Adjacent sugar mill. Through Pipelines.
Or			
Mode – 2, Sugar Syrup based			
II.	Sugar Syrup	302 MT/Day	Adjacent sugar mill. Through Pipelines.
Or			
Mode – 3, C - heavy molasses based			
III.	Molasses ( C heavy )	326 MT/Day	Nearby market and truck will be used for transportation.
9.	Other Chemicals		
	Sulphuric Acid	150 kg/Day	Nearby Market by Truck. 15 Days storage will be provided.
	Sodium Hydrooxide (Caustic)	240 Kg/Day	
	Enzymes	80 kg/Day	
	NH <sub>2</sub> -CO– NH <sub>3</sub> (Nutrient : 46% N <sub>2</sub>	300 kg/Day	
	Antifoam Agent	25 kg/Day	
10.	Co gen power	2.5 MW	

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11.	Water Requirement		Mode - 1 (B – Heavy Molasses based)	Mode - 2 (Sugar syrup)	Mode - 3 (C – Heavy Molasses based)	
		Fresh Water Requirement	560 KLD	500 KLD	800 KLD	
		Recycle Water	1240 KLD	1260 KLD	1440 KLD	
		Total Water Requirement	1800 KLD	1760 KLD	2240 KLD	
		Source : Ground Water through Tube Well. # Project Falls in non notified area as per Ground water department.				
12.	Power requirement	2200 KWH Source: In house Co generation power plant –2.5 MW Power Backup : DG set of capacity – 1250 KVA.				
13.	Fuel and its quantity	Mode - 1 (B – Heavy Molasses based)	Mode - 2 (Sugar syrup)	Mode - 3 (C – Heavy Molasses based)		
		Slop:131 TPD. Bagasse / Other Biomass: 160 TPD.	Slop:54 TPD. Bagasse/Other Biomass: 175 TPD.	Slop:257 TPD. Bagasse/Other Biomass: 77 TPD.		
		Source : From in house /nearby sugar mills / Rice Mills / open market.				
14.	Steam requirement	Mode – 1	Mode – 2	Mode – 3		
		25.0 TPH	22.5 TPH	27.3 TPH		
15.	Number of boiler proposed	32 TPH (One number boiler) Technology : Slop Fired Boiler. Bagasse will be utilised as supporting fuel.				
16.	Air Pollution Control Device	ESP as Air Pollution Control (APC) will be installed. It will be of efficiency 99.9 % with 125 % capacity.				
17.	Number of Stack	01 No of Stack of 65 m height.				
18.	Waste Water treatment	Estimated domestic effluent will be 14 KLD, which will be treated separately in Sewage treatment plant.				
19.	Waste Water Discharge	Zero Liquid discharge Industry (ZLD).				
20.	Solid Waste Generation	Solid Waste	Mode – 1	Mode – 2	Mode – 3	Uses / Disposal
		Total Ash	26.0 MT/Day	13.0 MT/Day	47.0 MT/Day	Due to high potash content, will be used as manure.
		Yeast Sludge	9.0 MT/Day	8.5 MT/Day	10.0 MT/Day	Will be mixed with press mud of Sugar mill and sold to the farmer.
		Condensate polishing unit sludge	1.0 KLD	1.0 KLD	1.2 KLD	Will be mixed with press mud of Sugar mill and sold to the farmer.
21.	No of Working Days		365 Days / Annum .			
22.	Employment Generation		150 Number out of which 100 Contract labour.			
23.	Green Belt Development		1.55 Ha (Approx. 33 % of total green belt will be development and maintained)			
24.	Cost towards Environmental Protection measures (capital cost)		4500 Lakh ( it include Waste water treatment system, Boiler, MEE, APCS, Green Belt, Health Safety equipment, granules formation machinery etc.)			
25.	Recurring cost towards Environmental control measures		280 Lakh per year.			

26.	CSR expenses	2% of the total profit of project in last three financial years as per the CSR act ( By Ministry of Corporate Affairs ) Notification GSR 129 (E ).
27.	Corporate Environmental Responsibility (CER)	@ 1.5 % of project cost (Approx. : 188 Lakhs ), CER plan will be prepared on the basis of Public hearing issues.

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

**RESOLUTION AGAINST AGENDA NO-11**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:**

- I. Executive Summary.
- II. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project.
- III. Project Description:
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, manpower requirement (regular and contract)
  - viii. Process description along with major equipment and machineries, process flow sheet (quantities) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- IV. Site Details:
  - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Details w.r.t. option analysis for selection of site
  - iv. Co-ordinates (lat-long) of all four corners of the site.

- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (Mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.
- V. Forest and wildlife related issues (if applicable):
  - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- VI. Environmental Status:
  - i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.

- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area

**VII. Impact and Environment Management Plan**

- i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**VIII. Occupational health:**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near

vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.

- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

**IX. Corporate Environment Policy:**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

**X. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.**

**XI. Enterprise Social Commitment (ESC):**

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

**XII. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.**

**XIII. A tabular chart with index for point wise compliance of above TOR.**

**A. Specific Terms of Reference for EIA studies for distilleries:**

- 1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
- 2. Number of working days of the distillery unit.
- 3. Details of raw materials such as molasses/grains, their source with availability.
- 4. Details of the use of steam from the boiler.
- 5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
- 6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
- 7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
- 8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
- 9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
- 10. Action plan to control ground water pollution.



11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

**B. Additional ToR:**

1. Officers of UPPCL, local bodies and Indian Railways should also be invited in the public hearing.

**12. Establishment of grain based Distillery of capacity: 60 KLD along with 3.0 MW Cogeneration Power plant at Khasra No.-3139, 3141, 3142, 3146, 3147, 3148, 3152, 3153, 3154, 3155, 3156, 3159, 3161, 3160, 3158, 3157, 3144, 3145, Village- Shamli , Tehsil & District-Shamli , U.P, M/s Shamli Distillery & Chemical Works (unit of Sir Shadi Lal Enterprises Limited). File No. 6353/Proposal No. SIA/UP/IND2/63887/2021**

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

1. The environmental clearance is sought for establishment of grain based Distillery of capacity: 60 KLD along with 3.0 MW Cogeneration Power plant at Khasra No.-3139, 3141, 3142, 3146, 3147, 3148, 3152, 3153, 3154, 3155, 3156, 3159, 3161, 3160, 3158, 3157, 3144, 3145, Village- Shamli , Tehsil & District-Shamli , U.P, M/s Shamli Distillery & Chemical Works (unit of Sir Shadi Lal Enterprises Limited).
2. Salient features of the project:

S N	Attributes	Proposed Distillery Project
1	Proposed capacity of Plant	Proposed establishment of Grain based Distillery of capacity 60 KLD along with 3.0 MW Cogeneration Power plant.
2	Project Location	Khasra No – 3139, 3141, 3142, 3146, 3147, 3148, 3152, 3153, 3154, 3155, 3156, 3159, 3161, 3160, 3158, 3157, 3144, 3145, village - Shamli, Tehsil : Shamli, District – Shamli (UP)
3	Total project cost	Rs 7541 Lakh (Estimated).
4	Total project area	2.806 Hectare.
5	Category of Project	Category : B - 1 and Schedule : 5 (g)
6	Process Involve	Distillery Process : 1.Grain storage 2. Grain cleaning, milling and flour handling 3.Slurry preparation & liquéfaction 4. Fermentation 5.Multi pressure distillation 6.Alcohol daily receivers & bulk storage 7. MEE & DDGS Dryer.
7	Product and by product	ETHANOL/ ENA /RECTIFIED SPIRIT/IMPURE SPIRIT - 60 KLD By-product : CO <sub>2</sub> - 45 MT/Day
8	Raw material and its Quantity	Grain 165 MT/Day (Damaged Grain & Coarse grain (like Broken Rice, Maiza, Jwar, Bajra etc) which is not fit for Human consumption. Source : Local Supplier Via Road.
Sr. No.	Attributes	Proposed Distillery Project
9	Co gen power generation	3.0 MW
10.	Fresh Water Requirement	Fresh Water Requirement : 520 KLD (Industrial + Domestic) Recycle Water : 380 KLD Total Water Requirement : 900 KLD, Source : Ground Water through Tube Well.
11	Power requirement	1500 KWH.



		Source: Proposed 3.0 MW In-house Co – Generation Power Plant. Power Backup : 2 DG set of capacity – 125 KVA and 250 KVA
12	Fuel and its quantity	Bagasse /Rice Husk (180.0 T/Day) Source : Adjacent Sugar Unit and nearby Rice mills .
13	Steam requirement	13.13 TPH (Maximum) for Distillery process and co gen power.
14	Number of boiler proposed	15 TPH (One number boiler) Technology : Bagasse / Biomass Fired Boiler.
15	Air Pollution Control Device	Wet Scrubber as Air Pollution Control (APC) will be installed, Emission from Stack will be within CPCB norms .
16	Number of Stack	01 No of stack height : 30 meters of RCC above ground level.
17	No of Working Days	360 Days / Annum .
18	Employment Generation	50 Number Direct employment.
Sr. No.	Attributes	Proposed Distillery Project
19	Waste Water treatment	Effluent in the form of spent wash will be 329 KLD. Treatment : Spent wash generated will be first fed into the decanter for solid separation then supernatant from the decanter is concentrated in MEE. Concentrate from MEE will be mixed with wet cake of decanter. Mixture will have fed into the dryer for the moisture removal. After drying DDGS will be sold as cattle feed. Other effluent like 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 CT.
20	Waste Water Discharge	Zero Liquid discharge Industry (ZLD).
21	Solid Waste Generation	Fly Ash :2.7 T/Day will be generated, Disposal : Fly ash generated will be provided to brick manufacturer / Cement Plant. Distillers Dried Grain Soluble (DDGS) : 45 TPD will be used as Animal feed supplement (AFS) / will be sold as by products for cattle / poultry / Fish or prawn feed.
22	Green Belt Development	0.93 Ha (Approx. 33 % of total green belt will be developed and will be maintained).
23	Cost towards Environmental Protection measures (capital cost)	1250 Lakh ( it include Waste water treatment system, Boiler, MEE, APCs, Decanter, DDGS dryer, Green Belt, Health Safety equipment etc).
Sr. No.	Attributes	Proposed Distillery Project
24	Recurring cost towards Environmental control measures	275 Lakh per year.
25	CSR expenses	2% of the total profit of project as per the CSR act ( By Ministry of Corporate Affairs ) Notification GSR 129 (E ).
26	Corporate Environmental Responsibility (CER)	@2.0 % of project cost (Approx. : 151 Lakhs ), CER plan will be prepared on the basis of Public hearing issues .

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

#### **RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and directed the project proponent to submit following information:**

1. Master Plan of District Shamli should be submitted.
2. No objection from local body of Shamli, Uttar Pradesh Power Corporation Ltd., local authorities of Railway should be submitted.

3. PP/Consultant should explain the details of the existing units of Distillery and Sugar in Shamli town.
4. Certified Compliance Report of existing unit's M/s Shamli Distillery and Sugar Unit (Unit of Sir Shadilal Enterprises).
5. Documents/ Registration proof for proposed distillery unit as marked unit 2.
6. If expansion project of existing unit is needed, then do you have adequate land available for expansion (reference of earlier EC with compliance report).
7. Layout maps indicating existing units as well as proposed units, storage area, plant area, green belt, and utilities etc and also show the co-ordinate (Lat-Long) of all four corners of the proposed unit area along with land title in favour of proposed projects.
8. Air/ Groundwater/ Noise monitoring report of existing unit as well as surrounding areas of existing units in Shamli town at different locations which can reveal the present situation of air, water and noise quality.
9. As per notification 2020, Shamli is a notified area in respect of no new groundwater abstraction where new borewell is not permitted. Clarification with respect to above notification and water source is to be explored. Proponent needs to seek the clarification for water source.
10. The permission of CGWA for existing bore in existing units to be submitted.

The matter shall be discussed after getting the above information on prescribed online portal.

**13. Establishment of New Distillery Unit (Grain Based) (RS/ENA/ETHANOL) & Power : 2.0 MW at Village- Khiwai, Block: Sarurpur, Tehsil-Sardhana, District-Meerut, U.P., M/s RCP Distilleries (India) Pvt. Ltd. File No. 6387/Proposal No. SIA/UP/IND2/64086/2021**

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

1. The environmental clearance is sought for establishment of New Distillery Unit (Grain Based) (RS/ENA/ETHANOL) & Power : 2.0 MW at Village- Khiwai, Block: Sarurpur, Tehsil-Sardhana, District-Meerut, U.P., M/s RCP Distilleries (India) Pvt. Ltd.
2. Salient features of the project:

Sr. No.	Attributes	Details
1.	Proposed capacity of Plant	RCP Distilleries (India) Private Limited has proposed establishment of Grain based distillery of capacity 50 KLD along with 2.0 MW Co-gen Power.
2.	Proposed Project Location	Khasra no. 494Chha, 549Ka, 549Ga, 549Kha, 565, 549Gha at Village: Khiwai, Block: Sarurpur, Tehsil: Sardhana, District: Meerut (U.P.).
3.	Total project cost	Rs 65 Crores
4.	Total project area and Green Belt development	Total Land for Proposed Distillery: 3.056 Hectares (33% of the project area will be covered under green belt area 1.008 Hectares).
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Product and its Quantity	Rectified Spirit/Extra Neutral Alcohol/Ethanol Quantity : 50 KLD
7.	Co gen power generation	2.0 MW Co-gen Power
8.	Process Involve	Fermentation & Distillation
9.	No. of Working Days	365 Days/ Annum
10.	Raw material and its Quantity	Grain ; Broken Rice / Bajra / Maize / Corn, etc: 110 MT/Day

11.	Fresh Water Requirement	Total industrial requirement=475 KLD (@9.5 KL/KL of products) Domestic Requirement=15 KLD Total water requirement: 490 KLD Source: Ground Water
12.	Power requirement	1.75 MW Source: Co Generation Power Plant : 2.0 MW (In House)
13.	Number of boiler proposed	1 No. 18 TPH Boiler
14.	Air Pollution Control Device	ESP shall be installed with 18 TPH Boiler along with stack of 70 meter height.
15.	Stream requirement	14 TPH
16.	Fuel requirement	Bagasse / Other Biomass :302 TPD
17.	Solid waste generation	Total Ash: 6 MT/Day Yeast Sludge: 10 MT/Day Condensate polishing unit sludge: 2 KLD Cattle feed DDGS: 42 MT/Day
18.	Waste Water Generation	Spent Wash: 340 KLD @ 6.8 KL/KL of Product Other effluents: 429 KLD
19.	Waste Water treatment strategy	For Spent wash treatment: 1.Decanter centrifuge 2.MEE 3.DWGS Dryer For Other effluent treatment: Condensate Polishing Plant will be installed.
20.	Waste Water Discharge	Unit is based on Zero Liquid Discharge
21.	Cost towards Environmental Protection measures (capital cost)	Rs. 25 Crores
22.	Recurring cost towards Environmental control measures	Rs. 2 Crores/Annum
23.	Cost towards Corporate Social Responsibility (CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).

3. Land use details:

Land Use Details	Grand Total (Sq. Meter.)
Green Belt Area	10080.0
Open Land	4400.0
Road/ Paved Area	4080.0
Rooftop area of building/sheds	12000.0
Total	30560.0

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

**RESOLUTION AGAINST AGENDA NO-13**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of Environmental Impact Assessment (EIA) Report regarding the project as follows:**

- I. Executive Summary.
- II. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project.
- III. Project Description:

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, manpower requirement (regular and contract)
- viii. Process description along with major equipment and machineries, process flow sheet (quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
  - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
  - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

**IV. Site Details:**

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.

- xi. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.
- V. Forest and wildlife related issues (if applicable):
  - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- VI. Environmental Status:
  - i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.
  - vii. Noise levels monitoring at 8 locations within the study area.
  - viii. Soil Characteristic as per CPCB guidelines.
  - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area

**VII. Impact and Environment Management Plan**

- i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**VIII. Occupational health:**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers

- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

**IX. Corporate Environment Policy:**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

**X. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.**

**XI. Enterprise Social Commitment (ESC):**

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

**XII. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.**

**XIII. A tabular chart with index for point wise compliance of above TOR.**

**A. Specific Terms of Reference for EIA studies for distilleries:**

- 1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
- 2. Number of working days of the distillery unit.
- 3. Details of raw materials such as molasses/grains, their source with availability.
- 4. Details of the use of steam from the boiler.
- 5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
- 6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.

7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

**B. Additional ToR:**

1. Officers of UPPCL, Indian Railways and representative of local bodies should also be invited in the public hearing.

**(Rajive Kumar)**  
**Chairman, SEAC-1**

**(Dr. Ajai Mishra)**  
**Member, SEAC-1**

**(Dr. Ratan Kar)**  
**Member, SEAC-1**

**(Dr. Brij Bihari Awasthi)**  
**Member, SEAC-1**

**(Umesh Chandra Sharma)**  
**Member, SEAC-1**

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

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

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

**(Shiv Om Singh)**  
**Member, SEAC-2**

**(Tanzar Ullah Khan)**  
**Member, SEAC-2**

**(Prof. Jaswant Singh)**  
**Member, SEAC-2**

**(Ashish Tiwari)**  
**Member-Secretary, SEAC-1& 2**



**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 require 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, SO<sub>2</sub>, NO<sub>x</sub> 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 of pollutants shall be regularly up loaded on the company's website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) 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 for dust suppression on haul roads, mining areas, 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, toilet facility separate for man and women or mobile toilets with safe disposal of human excreta , safe drinking water supply, 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 a 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. 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 05ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
4. 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.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.

6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. 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.
8. 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.
9. 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.
10. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
11. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. 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.
13. 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.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area ,roads and green belt development etc.
18. 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.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.

29. 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.
30. 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.
31. 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.
32. 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.
33. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
34. 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.
35. 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.
36. 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.
37. 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. Suitable measures shall be taken for proper maintenance of vehicles used in quarry operation and in transportation to control the vehicular pollution. 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.
38. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any. The project proponent shall take all suitable measures to prevent pollution of ground water and nearby water bodies in consultation with UP Pollution Control Board. Consent to Establish and

Consent to operate , if applicable should be obtained by project proponent from UP Pollution Control Board prior to start of production from mining.

39. A final mine closure plan/Exit protocol for rehabilitation of mined out land to match its surrounding land use , 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. The project proponent shall ensure the implementation of approved plan under supervision of the Department of Mines and Geology and the completion and compliance report shall be submitted to the above dept. and UP Pollution Control Board.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. 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.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
44. The blasting will be done only after getting the permission from the Mining Department.