

Minutes of 716th SEAC-2 Meeting Dated 07/01/2023

The 716th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 07/01/2023. Following members participated in the meeting:

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

The Chairman welcomed the members to the 716th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director, Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Soil Excavation Project at Gata No.- 1880, 61 & 62, Village-Rajpur, Tehsil-Khair, District-Aligarh, Shri Gavendra Singh Area- 2.242 ha. File No. 7447/ Proposal No. SIA/UP/MIN/410828/2022**

RESOLUTION AGAINST AGENDA NO. 01

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

2. **Expansion of Existing Sugar Mill having cane crushing capacity from 6600 TCD to 8000 TCD at Village - Agwanpur, Tehsil & District – Moradabad, Shri Shailendra Kumar Verma, M/s Dewan Sugars Limited. File No. 7448/ 7183/ Proposal No. SIA/UP/IND2/410954/2022**

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

1. The environmental clearance is sought for Expansion of Existing Sugar Mill having cane crushing capacity from 6600 TCD to 8000 TCD at Village - Agwanpur, Tehsil & District – Moradabad, U.P., M/s Dewan Sugars Limited.
2. Environmental clearance for the existing units was issued by SEIAA, U.P. vide EC identification no. EC21B025UP134854 dated 31/12/202 for the capacity 6600 TCD.
3. The standard terms of reference in the matter were issued through online Parivesh Portal on 12/07/2022.
4. The Project is exempted from public hearing as per MoEF&CC OM No. IA3-22/10/2022-IA.III (E177258) dated 11 April, 2022. Final EIA Report was submitted by the Project Proponent on 15/11/2022.
5. Comparative details of existing and expansion project:

S. No.	Product	Existing	After Expansion
		Sugar Cane 6600 TCD Crushing	Sugar Cane 8000 TCD Crushing
Products			
1	Sugar	660 MT/day	800 MT/day
2	Power (Co-gen)	10MW	10MW
By-products			
3	Molasses	297 MT/day	356 MT/day
4	Bagasse	1980 MT/day	2376 MT/day
5	Press Mud	264 MT/day	316 MT/day

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

67. Current features of the project as submitted by the project proponent:				
S. No.	Particulars	Details		
1.	Nature and Size of Project	Existing	Proposed expansion	After expansion
		6600 TCD	1400 TCD	8000
2	Category of the Project	As per EIA Notification dated 14th September, 2006 as amended from time to time; the project falls in Category 'B', Project or Activity - 5(J).		
3	Area Details	Existing Industry: 36.43 Hectare Proposed Expansion: Nil No change in the area of industry, expansion will be done within existing premises.		
4	Greenbelt / Plantation Area	~33% of the project area (12.02 hectare) has been provided as green belt. Same will be maintained after expansion also.		
5	Project Cost Details			
	Total Project Cost:	Rs. 35.0 Crore		
	Cost for Environment Management Plan:	Capital Cost: Rs 70.0 Lakh Recurring cost: Rs 35.0 Lakhs /Annum		
6	Power Requirement	Existing power requirement – 7.2 MW, After proposed expansion: 10.0 MW		
7	Basic Requirements for the project			
A	Fresh Water Requirement			
		Existing	Proposed	After expansion
B	Industrial Water (Season)	1056	224	1280
	Domestic Water	50	0	50
	Total	1106	224	1330
C	Waste Water Generation	1320	280	1600
8	Source of Fresh Water	Ground water through Tube / Bore well. Industry already obtained the NOC from Ground Water Department, Uttar Pradesh.		
9	Man Power Requirement	Existing manpower of the plant is 250 nos and for proposed expansion, existing employees are capable of running the complete plant after expansion also		
10	Fuel and Its Quantity	Bagasse is being and will be used as fuel. Existing requirement: 1008 TPD After proposed expansion : 2376 TPD		
11	Source of Fuel	Own sugar mill. It is the by- product of sugar mill		
12	Steam requirement	Existing: 84 TPH, Proposed: 20 TPH Total: 104		
13	Product detail			
A	Product	Existing		After Expansion
	Sugar	660 MT/day		800 MT/day
	Power (Co-gen)	10MW		10MW
B	By-products	Existing		After Expansion
	Molasses	297 MT/day		356 MT/day
	Bagasse	1980 MT/day		2376 MT/day
	Press Mud	264 MT/day		316 MT/day
14	Land use detail			
	Land Use	Area in Sqm		Area in Percentage
1	Roof Top (Building , Covered	29144		8%

	Shed)				
2	Green Belt		120219	33%	
3	Road and Paved Area		36430	10%	
4	Open Area		178507	49%	
	Total			100 %	
15	Solid waste generation (Process waste)				
	Name of Solid waste	Existing capacity	After Expansion	Management Plan	
A	Boiler ash	18.0 MT/Day	25.0 MT/day	Boiler ash will be supplied to the brick manufacturer	
B	ETP Sludge	6.8 MT/Day	11.0 MT/day	ETP Sludge will be given to the farmers.	
C	Press Mud	264 MT/day	316 MT/day	Press mud will be given to the farmers	
D	Oil & Grease from ETP	28 kg/Day	34 kg/Day	Will be mixed with bagasse and burn in boiler. Hazardous authorization from UPPCB will be obtained.	
16	DOMESTIC SOLID WASTE				
	Category	Type of Waste	Colour of Bins	Disposal Method	Total Waste (Kg/day)
A	Bio Degradable	Organic Waste	Green	Organic waste converter within the project site	45
B	Non-Biodegradable	Recyclable Waste	White	Authorized Recycler	22.5
C	Non-Biodegradable	Inert Waste	Black	Nearby Landfill Site	7.5

7. Product and raw material details:

S. No.	Product	Existing	After Expansion
		Sugar Cane 6600 TCD Crushing	Sugar Cane 8000 TCD Crushing
Products			
1	Sugar	660 MT/day	800 MT/day
2	Power (Co-gen)	10MW	10MW
By-products			
3	Molasses	297 MT/day	356 MT/day
4	Bagasse	1980 MT/day	2376 MT/day
5	Press Mud	264 MT/day	316 MT/day

8. Water requirement details:

S. No.	Particulars	Existing (KLD)	Proposed (KLD)	Total (KLD)	Source
A.	Fresh Water Requirement				
1	Industrial Water (Season)	1056	224	1280	Ground Water through Tubewell
2	Domestic Water	50	0	50	
	Total	1106	224	1330	
B.	Waste Water Generation	1320	280	1600	Max. effluent generation will be @ 0.20 KL/ Ton of Cane Crushed
	Treatment Strategy after expansion : Effluent will be treated through Activated sludge process. ETP will comprises of Bar Screen, Oil & Grease trap, chemical Mixing, Equalization, Primary Clarifier, Aeration, Secondary Clarifier, MGF, ACF and Sludge Drying beds				

9. Power requirement details:

Power Requirement	Existing (6600 TCD)	After Expansion (8000 TCD)
	7.2 MW	10.0 MW
Source	Power will be sourced from cogeneration power plant of sugar mill during season and certain power quantity shall be banked with state utility M/s Dewan Sugars Limited This banked power shall be used for off season period.	

10. 11 nos. of rain water harvesting pits are proposed under the project.

11. The project proposal falls under category-5(j) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 07/11/2022 mentioning is

as follows:

1. I, Sultan Mainuddin, S/o Mr. Azizul Haque is EIA Coordinator of M/s Paramarsh (Servicing Environment and Development).
2. I have prepared EIA/EMP report for the Expansion of Existing Sugar Mill having cane crushing capacity from 6600 TCD to 8000 TCD at Village - Agwanpur, Tehsil & District – Moradabad, U.P., M/s Dewan Sugars Limited Proposal no. SIA/UP/IND2/410954/2022 with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site in the expansion area for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA/EMP are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. I state that all the TOR points have been complied. Public hearing is exempted as per MoEF&CC OM NO. IA3-22/10/2022-IA.III(E177258), dated 11/04/2022.
8. The EMP report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 02

The committee discussed the matter and recommended grant of environmental clearance for the project proposal as above along with standard environmental clearance conditions prescribed by MoEF&CC, GoI and following specific conditions:

Specific Conditions:

- I. Three tier green belt shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation)
- II. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF and CC.
- III. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
- IV. Properly covered vehicles shall be used while transporting material and product.
- V. Allergy test should also be included in health checkup of works.
- VI. Industry should comply with the CPCB charter guidelines for sugar units and treated water shall be used for the different purposes as per the requirement in industry..

Standard environmental clearance conditions:

I. Statutory compliance:

- I. 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.
- II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- III. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, if applicable. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six -

monthly compliance report. (in case of the presence of schedule-I species in the study area).

- IV. 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.
- V. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- VI. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

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

III. Water quality monitoring and preservation

- I. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises and connected to SPCB and CPCB online servers.
- II. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- III. Process effluent /any wastewater shall not be allowed to mix with storm water.

The storm water from the premises shall be collected and discharged through a separate conveyance system.

- IV. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- V. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- VI. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and treated effluent shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 and treated water from ETP shall be used for irrigation.
- VII. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste management

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

VII. Green Belt

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

VIII. Safety, Public hearing and Human health issues

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- IV. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- V. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- VI. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility

- I. 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.
- II. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms I conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to the head of the organization.
- IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- V. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- IV. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- V. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- VI. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- VII. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- IX. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- X. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- XI. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- XIII. The Ministry reserves the right to stipulate additional conditions if found necessary.
- XIV. The Company in a time bound manner shall implement these conditions.
- XV. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

- XVI. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- XVII. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. "Ordinary Soil Excavation" Project at Gata No.-85 at Village- Samadpur Buniyadpur, Tehsil- Kanth & District- Moradabad, Shri Ravindra Chaudhary. File No. 7449/ Proposal No. SIA/UP/MIN/411004/2022

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

- The environmental clearance is sought for "Ordinary Soil Excavation" at Gata No.-85 in the Village- Samadpur Buniyadpur, Tehsil- Kanth & District- Moradabad, Uttar Pradesh, (Leased Area : 0.620 Ha).
- Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/411004/2022	
2.	File No. allotted by SEIAA, UP	7449	
3.	Name of Proponent	Shri Ravindra Chaudhary S/o Shri Ram Ratan Singh	
4.	Full correspondence address of proponent and mobile no.	Vill- Pachokra Khanpur, PO-Kuchawali, Tehsil & District-Moradabad U.P.	
5.	Name of Project	Ordinary Soil Excavation” Project named Shri. Ravindra Chaudhary at Gata No.–85 in the Village- Samadpur Buniyadpur, Tehsil- Kanth & District- Moradabad, Uttar Pradesh. (Area:0.620 Ha)	
6.	Project Location (Plot.Khsra/Gata No.)	Gata No.-85	
7.	Name of Village	Samadpur Buniyadpur	
8.	Tehsil	Kanth	
9.	District	Moradabad	
10.	Name of Minor Mineral	Ordinary Soil	
11.	Sanctioned Lease Area (in Ha.)	0.620 Ha	
12.	Max. & Min mRL within lease area	202.00 mRL & 200.00mRL	
13.	Pillar Coordinates (Verified by DMO)	GATA NO.	85
		A	28°59'3.56"N 78°40'12.93"E
		B	28°59'5.65"N 78°40'17.80"E
		C	28°59'4.41"N 78°40'18.55"E
		D	28°59'2.30"N 78°40'13.61"E
14.	Total Geological Reserves	13,640 m ³	
15.	Total Mineable Reserve	11346 m ³	
16.	Proposed Production	11346 m ³ / 3 months	
17.	Sanctioned Period of Mine lease	3 months	
18.	Method of Mining	Open cast Manual / Semi Mechanized Mining Method	
19.	No. of working days	90 Days	

20.	Working hours/day	8 Hours
21.	No. of workers	17 workers
22.	No. of vehicles movement/day	14 Trucks / Day
23.	Type of Land	Pvt. Land (Uneven Agricultural Land)
24.	Ultimate of Depth of Mining	2.2 m
25.	Nearest metalled road from site	1.0 Km
26.	Water Requirement	PURPOSE
		REQUIREMENT (KLD)
		Drinking
		0.17
		Suppression of dust
		2.64
		Plantation
		0.05
		Others (if any)
		-
		Total
		2.86 KLD
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult Certificate No- NABET/EIA/2023/SA 0174/Rev .01 Period of Validity- 29-04-2023
28.	Any litigation pending against the project or land in any court	No
29.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No 413/Khanij/2022, Date-30.11.2022
30.	Proposed EMP cost	2.08 Lakhs
31.	Proposed total Project cost	12.74 Lakhs
32.	Length and breadth of Haul Road	440 m Length & 6m width haulage road
33.	No. of Trees to be Planted	25 Trees

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

The consultant (EIA Coordinator) also submitted an affidavit dated 05/01/2023 mentioning is as follows:

- I, Umesh Pratap Singh Chauhan, S/o Late Surya Pal Singh Chauhan am EIA Coordinator of Ind Tech House Consult.
- I have prepared EC report for the Proposal Name- “Ordinary Soil Excavation” at Gata No.-85 in the Village- Samadpur Buniyadpur, Tehsil- Kanth & District- Moradabad, Uttar Pradesh, (Leased Area : 0.620 Ha) with my team.
- I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
- I have satisfied with that all the necessary data/information required for EC presentations are true and correct.
- I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
- I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
- The EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 03

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

4. Integrated Construction of Shiv Nadar Institution of Eminence Deemed to be University (Formerly known as Shiv Nadar University) at Industrial Area Village-Chithera Tehsil-Dadri, District- Gautam Buddha Nagar, U.P., M/s Shiv Nadar Institution of Eminence Deemed to be University. File No. 7456/ Proposal No. SIA/UP/INFRA2/410776/2022

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

1. The terms of reference is sought for “Integrated Construction of Shiv Nadar Institution of Eminence Deemed to be University (Formerly known as Shiv Nadar University)” at Industrial Area, Village-Chithera Tehsil- Dadri, District- Gautam Buddha Nagar, U.P., M/s Shiv Nadar Institution of Eminence Deemed to be University.
2. Environmental clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 919/SEAC/356/2009-10/AD(H), Dated: 31/05/2010 for the plot area 11,58,623.72 m² and built up area 4,99,965.99 m² respectively.
3. Consent to Established for the project was issued by Uttar Pradesh Pollution Control Board, Vide letter No.F71011/C-1/N/N.O.C./661/8/2010, dated 02/08/2010.
4. Till date 3,10,208.91 m² built up area has been constructed by the project proponent.
5. In exercise of the powers conferred under Section 3 of the UGC Act. 1956, the central Government on the recommendations of EEC & UGC, hereby declare Shiv Nadar University as an “Institution of Eminence Deemed to be University”, which shall be known as Shiv Nadar (Institution of Eminence Deemed to be University) with effect from the date of issuance of Notification vide F.No. 11-9/2019-U.3(A)Pt. Dated 03rd August, 2022.
6. Surroundings details of the project site as submitted by project proponent:

	Description	Distance and Direction
1	Nearest School & College 1. RV Northland International School. 2.Delhi World Public School 3. M D Inter College	Adjacent of Project Site Approx. 1.07 Km towards East. Approx. 0.75 Km towards West South west.
2	Nearest Airport Indira Gandhi International Airport Hindon Airport	Approx. 46.0 Km towards West Approx. 30.0 Km towards NNW
3	Nearest Village/City 1. Chithara 2. Dadri	Approx. 0.59 Km towards North West. Approx. 2.04 Km towards North West.
4	Nearest Hospital 1.Ashok Hospital Neuro And Trauma Center 2. Navin Hospital	Approx. 3.12 Km towards South East. Approx. 3.32 Km towards NorthWest
5	Nearest Highway/Roads 1.NH-334C 2.NH-91	Approx. 0.17 Km towards North. Approx. 0.10 Km towards North.
6	Railway Station 1. Boraki - Train station 2. Dadri - Train station	Approx. 1.60 Km towards South South West. Approx. 2.34 Km towards West North West.
7	Places of Worship 1. Mohan Raam mandir	Approx. 0.50 Km towards West.

		2. JDC Mandir Chithara	Approx. 0.22 Km towards West.
8	Water Bodies	1.Hindon River 2.Yamuna River	Approx. 9.46 Km towards South West. Approx. 15.5 Km towards South West.
9	Forest/ Wildlife Sanctuary	Surajpur Bird Sanctuary.	Approx. 7.9 Km towards West

7. Detailed area statement:

S. no	BUILDING NAME	Sanctioned Area as per 2010	Submitted for Completion	New building Submitted for Sanction			
		Area (sqm)	Area (sqm)	FAR (sqm)	Area	Services (sqm)	Area
1	Academic building A & B	28953.30	28281.65				
2	Academic building C & D	28953.30	29754.87				
3	R Block SNS Annex (Old Administration)	4886.74	4729.13				
4	Library	9204.68	6939.13				
5	Hostel 4/2 Bed 1A	6963.75	7664.70				
6	Hostel 4/2 Bed 1B	6963.75	7664.70				
7	Hostel Single Bed 1C - SBH1	5978.45	8724.21				
8	Hostel 4/2 Bed 2A - GH3	6963.75	7743.66				
9	Hostel 4/2 Bed 2B - GH4	6963.75	7743.66				
10	Hostel Single Bed 2C - SBH2	5978.45	8292.76				
11	Hostel 4/2 Bed 3A - BH5	6963.75	7743.66				
12	Hostel 4/2 Bed 3B - BH6	6963.75	7743.66				
13	Hostel Single Bed 3C - SBH3	5978.45	8292.76				
14	Hostel single Bed 4A	6963.75		20140.78		1569.06	
15	Hostel single Bed 4B	6963.75					
16	Hostel Single Bed 4C	5978.45					
17	Hostel Single Bed 5A	6963.75		20092.91		1600.90	
18	Hostel Single Bed 5B	6963.75					
19	Hostel Single Bed 5C	5978.45					
20	Hostel 4/2 Bed 6A	6963.75					
21	Hostel 4/2 Bed 6B	6963.75					
22	Hostel Single Bed 6C	5978.45					
23	Hostel 4/2 Bed 7A	6963.75					
24	Hostel 4/2 Bed 7B	6963.75					
25	Hostel Single Bed 7C	5978.45					
26	Dining Block 1	1364.80	1695.40				
27	Dining Block 2	1364.80	1723.12				
28	Dining Block 3	1364.80					
29	Dining Block 4	1364.80		1565.53		50.18	
30	Dining Block 5	1364.80					

31	Dining Block 6	1364.80			
32	Dining Block 7	1364.80			
33	Utility 1	1664.73	1680.20		
34	Utility 2	1664.73	1786.95		
35	Shopping centre	1275.00		482.34	
36	Auditorium	3290.24			
37	Faculty Villas	3195.94			
a	Villa 1			277.53	24.39
b	Villa 2			252.97	24.70
c	Villa 3			296.30	22.54
d	Villa 4			277.53	24.39
e	Villa 5			252.97	24.70
f	Villa 6			252.97	24.70
g	Villa 7			252.97	24.70
h	Villa 8			252.97	24.70
i	Villa 9			252.97	24.70
j	Villa 10			252.97	24.70
38	Chancellor VILLA			1034.40	9.29
39	Indoor Sports			7920.36	414.23
40	Buisness School			30603.71	2143.71
41	Chiller Plant - 2 - HVAC Utility (F) Block				2897.20
42	Gate - 1 complex				143.25
43	Gate - 2 complex				884.15
44	Substation (Utility 3)				1948.28
45	33Kva Substation				48.75
46	Utility -4				1132.57
47	Faculty Housing T-1			2677.17	220.80
48	Faculty Housing T-2			3709.58	299.55
49	Faculty Housing T-3			3652.90	266.18
50	Faculty Housing T-4			4738.48	274.40
51	Faculty Housing T-5			3254.17	213.98
52	Faculty Housing T-6			4403.85	242.25
53	Faculty Housing T-7			5904.01	269.53
54	Faculty Housing T-8			3586.09	276.86
55	Faculty Housing T-9			3760.50	277.09
56	Faculty Housing T-10			2635.37	232.15
57	Community Center (Club)			1680.62	64.57
58	Student activity and recreation center (SARC)			3905.67	294.06
59	Animal research facility			2738.62	664.88
	Total	231983.88	148204.21	131109.21	16682.09
60	Podium (All Towers) FREE OF FAR AREA				14213.40
	Total Constructed built-up area	3102908.91 m2			

8. Details of building to be constructed:

Building Name	Area Building	Per	No. Building	of	Total
Buildings under Design Development					
Future Student Housing 6,7 & 8	22000		3		66000
Future Dining Halls 5 & 6	4300		2		8600
Future Utility -5	1157.08		1		1157.08
Future Swimming Pool building	5000		1		5000.00

Future Cricket Pavilion	1400	1	1400.00
Future Buildings			
Future Admin Building	20000	1	20000
Future BS extension (A3P3)	16000	1	16000
Future Academic Blocks -4	24000	1	24000
Future Auditorium	12600	1	12600
Future Academic Blocks-5	10000	1	10000
Future Amenities block	8000	1	8000
Future Executive Hostel	7000	1	7000
Future Parking garage	5000	1	5000
Future Student Center	5000	1	5000
		Total	189757.08

9. Landscape plan:

S. No.	Particulars	Details
1	Landscape/ Green Area Proposed No of Trees Required (1 Tree/100sqm) No of Trees Proposed	480382.26 sqm 4803.82 Nos 5000 Nos
2	No. of Trees Already Planted	13169 Nos
3	No. of Shrub Already Planted	167736 Nos

10. Water requirement of operational building is being met through Borewell water. Total water requirement for the proposed project (after completion of total project) has been estimated to be 2343 KLD including domestic water demand. This includes domestic water requirement, flushing and for soft water. Total fresh water requirement currently is 872.850 KLD including domestic water requirement. The water requirement for landscaping is being met through treated water from STP.

11. Waste water details:

- During the operational phase (after completion of project) total water requirement 1700 KLD
- During the operational phase (after completion of project) , 1525 KLD, waste water will be generated which will be treated in the STP within the premises.
- Proposed STP will be of MBR (Membrane Bio Reactor) technology & the total combined capacity of STP will be 2000 KLD.
- Total STP capacity for currently operational building are 884 KLD (500 KLD +234 KLD +150 KLD) and all the treated water is being used within the campus
- Soft Water: 180 KLD
- Filter and Softener Backwash: 25 KLD
- Irrigation Water (for horticulture purposes): 868 KLD

12. Parking Details – The total parking required is 4691 ECS and proposed surface parking is 4764 ECS.

13. Power requirement:

- Total electrical load sectioned to the project is 6696 KVA for operational project. Load back up being considered for project through DG Sets.
- For power backup, (1500 KVA X 3 + 1000 KVA X 1+ 500 KVA X 1) DG sets in Utility-1 and 2 Nos of 2000 KVA DG sets in Utility-3 of acoustically enclosed type have been installed.
- Total Solar PV Panels of 430 kWp capacity have also been installed on the roof of Building.

14. Solid waste details:

Sl. No.	Characterization	Amount
1	Expected total solid waste generation	4000 kg/day
2	Biodegradable waste	50 % of total solid waste 2000 kg/ day
3	Recyclable non-biodegradable waste	35 % of total solid waste

4.	Other Waste	15% of Total Solid Waste
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15. The project proposal falls under category-8(b) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 06/01/2023 mentioning is as follows:

1. I, Purushottam Kumar Sharma, S/o Shri Rajendra prashad Sharma is EIA Coordinator of Ascenso Enviro Pvt. Ltd.
2. I have prepared ToR application with my team for this category 8(b) proposal no. SIA/UP/INFRA2/410776/2022 for the “Integrated Construction of Shiv Nadar Institution of Eminence Deemed to be University (Formerly known as Shiv Nadar University)” at Industrial Area, Village-Chithera Tehsil- Dadri, District- Gautam Buddha Nagar, U.P., M/s Shiv Nadar Institution of Eminence Deemed to be University with my team.
3. I have personally visited the project site of the university & certified that as on date total 310208.91 sqm built up area has already been constructed & there will be 189757.08 sqm built up area is proposed for future development.
4. I am satisfied with that all the necessary data/information required for TOR application are and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.

RESOLUTION AGAINST AGENDA NO-04

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

Additional TOR:

1. The committee decided to inspect the project site before appraisal of EIA report and project proponent/consultant informed accordingly to the committee. A joint committee of Dr. Shiv Om Singh, Prof. Jaswant Singh and Shri Tanzar Ullah Khan, Members SEAC and RO, UPPCB, Greater Noida to inspect the site of project proposal and provide factual status of the project.
2. Certified compliance report from IRO, MoEFCC, Lucknow for the earlier environmental clearance issued by SEIAA, U.P.
3. The project proponent should conduct a traffic study within half kilometer of entry gate of the building.
4. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same.
5. Proponent to provide the captive facility of Municipal Solid Waste treatment and disposal in its project. Plan for Municipal solid waste to this project along with quantity, collection and proper disposal and location of OWC to be located in Layout plan and also provide the details of latest technology to be used.
6. Proponent to provide the Sewage treatment plan (STP) proposal with respect to the specific project and also provide the proposal for utilization of treated water in its different / various process to reduce the requirement of fresh water consumption.
7. Plan for conservation of water and to replenish ground water resources of area, rainwater harvesting system as well as recharging system to be submitted and presented.
8. Proponent to submit and present a report on existing plantation at the site and also submit the detailed plan for Plantation with area specific plant species, number of plants to be planted and place of plantation along with a proper map as per MOEFF/CPCB/LDA guideline.
9. The project proponent shall submit a plan for measuring and monitoring the various sources of water supply namely fresh water, treated wastewater and harvested rain water on day basis.

10. Proponent to submit a Plan for parking along with electric vehicle charging facility location in the premises.
11. Proponent to submit the Water balance flow diagram along with reuse in different process with specific to the project.

Standard terms of reference:

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Details of litigation pending against the project, if any.
5. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
6. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
7. Submit the details of the trees to be felled for the project.
8. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
9. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
10. Ground water classification as per the Central Ground Water Authority.
11. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
12. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
13. Examine soil characteristics and depth of ground water table for rainwater harvesting.
14. Examine details of solid waste generation treatment and its disposal.
15. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
16. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
17. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
18. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
19. Examine the details of transport of materials for construction which should include source and availability.
20. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
21. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
22. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
23. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
24. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures

25. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
26. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

5. Sand/Morrum Mining Project on Ken River Bed at Gata No.- 429 and 430 ,Village-Bariyari, Tehsil- Naraini, District: Banda, Shri Sanjeev Kumar Gupta, Area: 13.362 ha. File No. 7472/ Proposal No. SIA/UP/MIN/411400/2022

RESOLUTION AGAINST AGENDA NO. 05

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

6. Building Stone (Khanda, Giiti, Boulder, Ballast) Mining Project” at Araj No.: 335, Khand No.:08, Village: Gauhari, Tehsil: Sadar, District: Mahoba, Shri Arun Kumar Pahadi, Area: 2.024 Ha. File No. 7473/ Proposal No. SIA/UP/MIN/411536/2022

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

1. The terms of reference is sought for Building Stone (Khanda, Giiti, Boulder, Ballast) Mining Project” at Araj No.: 335, Khand No. 08, Village: Gauhari, Tehsil: Sadar, District: Mahoba, U.P., (Leased Area: 2.024 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/411536/2022		
2. File no. allotted by SEIAA,UP	7473		
3. Name of Proponent	Arun Kumar Pahadi Pattedar Shri Arun Kumar Dubey S/o Late Vidya Sagar Dubey		
4.Full correspondence address of proponent and mobile no.	R/o- Mo. MeherpuriKotwali Sadar, District: Hamirpur, U.P. Pin Code- 210301		
5. Name of Project	Building Stone/Khanda, Boulder, Gitti Ballast Mine		
6. Project location (Plot/Khasra/Gata No.)	Araj No.335 Kha, Khand No.: 08		
7. Name of River	-		
8.Name of Village	Gauhari		
9. Tehsil	Sadar		
10.District	Mahoba, U.P.		
11. Name of Minor Mineral	Building Stone “Khanda, Boulder, Gitti Ballast ”		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.024 ha		
13. Mineable Area (in Ha.)	2.024 Ha		
14. Zero Level mRL	-		
15. Max. & Min mRL within lease area	Highest Point :155 mRL Lowest Point :141 mRL		
16. Pillar Coordinates (Verified by DMO) (Source: Verified Khasra Map)	Sanction Lease Area Co-ordinate		
	Pillars	Latitude (N)	Longitude (E)
	A	25°24'22.39"N	80°0'47.17"E
	B	25°24'21.44"N	80°0'51.83"E
	C	25°24'17.37"N	80°0'50.00"E

	D	25°24'19.26"N	80°0'45.35"E
	E	25°24'20.73"N	80°0'43.77"E
	F	25°24'21.27"N	80°0'44.17"E
17. Total Geological Reserves (Source: Approved Mining Plan)	3,23,955 m ³		
18. Total Mineable Reserves (Source: Approved Mining Plan)	1,97,541m ³		
19. Total Proposed Production (in five years)	1,51,800 m ³		
20. Proposed Production/year	30,360 m ³ per annum		
21. Sanctioned Period of Mine lease	10 years		
22. Method of Mining	Opencast, semi-mechanized		
23. No. of Working days	260 Days		
24. Working hours/day	8 -10 hours/day		
25. No. Of Workers	25		
26. No. of vehicles movement/day	8 Units (Assumed Loading Capacity: 40T/Unit)		
27. Type of Land	State Government Land		
28. Ultimate Depth of Mining	24 m (155mRL – 131mRL) (Source: Approved Mining Plan)		
29. Nearest metalled road from site	872 m		
30. Water Requirement	Purpose	Requirement (KLD)	
	Drinking	0.125	
	Suppression of Dust	6.10	
	Plantation	6.0	
	Total	12.225	
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	P AND M Solution Certificate No.: NABET/EIA/1922/IA0053, Validity Extended Till March 07/2023		
32. Any litigation pending against the project or hand in any court	No		
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Mahoba, Letter No. 1459/खनिज-30/2021-22, Date: 22-08-2022.		
34. Details of Lease Area in approved DSR	Letter No. 154/MMC-30-Khanij (2021-22) Dated: 12/05/2021		
35. Proposed CER Cost	Rs. 8.15 Lakhs (2% of the total Project Cost)		
36. Proposed EMP Cost	Rs. 29.98 Lakhs		
37. Length and width of Approach Road	Approach Road Length 872 m & Width 7 m		
38. No. of Trees to be Planted	3000 Trees		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 05/01/2023 mentioning is as follows:

- I Dr. Jatin Kumar Srivastava S/o Late Shri. Lalit Kishore Srivastava is EIA Coordinator of M/s P & M Solution, Noida, QCI/NABET Certificate No. NABET/EIA/1922/IA0053, Validity Extended till 7th March 2023.
- I have prepared the EIA/EMP report for the TOR proposal SIA/UP/MIN/411536/2022 in Name of Arun Kumar Pahadi Pattedar Shri. Arun Kumar Dubey S/o Late Shri Vidya Sagar Dubey.

3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied that all the necessary data/ information submitted along with TOR Application are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal. In case the project is being uploaded for the 2nd time that is only after the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report. (If and as required) : Not Applicable.
8. The TOR Application for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 06

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

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

7. M/s Jaypee Infratech Limited is developing a township & area development project “Jaypee Greens Aman” located At Sector-151, Noida, District- Gautam Buddha Nagar, Shri Ashok Khera. File No. 7314/7206/ Proposal No. SIA/UP/INFRA2/403586/2022

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Oceao Enviro Management Solutions India Pvt. Ltd.

The committee discussed the matter and opined that a site visit of the project will be undertaken by a joint committee of Dr. Shiv Om Singh, Shri Tanzar Ullah Khan, Members SEAC and RO, UPPCB, Noida to inspect the site of project proposal and provide factual status of the project.

The matter will be discussed after receipt of site visit report.

8. City Side Development Project at Village- Farukhabad Chillavan, Tehsil – Sarojni Nagar, Lucknow, M/s Adani Airport Holdings Limited, M/s Adani Airport Holdings Limited. File No. 7320/7087/ Proposal No. SIA/UP/INFRA2/404080/2022

The committee noted that the matter was earlier discussed in 704th SEAC meeting dated 24/11/2022 and directed the project proponent to submit following information:

1. Proponent to provide the captive facility of Municipal Solid Waste treatment and disposal in its project. Plan for Municipal solid waste to this project along with quantity, collection and proper disposal and location of OWC to be located in Layout plan and also provide the details of latest technology to be used.
2. Proponent to provide the Effluent Treatment Plant (ETP) details and Sewage treatment plan (STP) proposal with respect to the specific project and also provide the proposal for utilization of treated water in its different / various process to reduce the requirement of fresh water consumption.
3. Revised plan for conservation of water and to replenish ground water resources of area, rainwater harvesting system including roof top rain water harvesting as well as recharging system to be submitted and presented.
4. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP and ETP for different purposes and also provide the monitoring mechanism for the same.
5. Proponent to submit and present a report on existing plantation at the site and also submit the revised detailed plan for Plantation with area specific plant species, number of plants to be planted and place of plantation along with a proper map as per MOEFF/CPCB/LDA guidelines.
6. The project proponent shall submit a plan for measuring and monitoring the various sources of water supply namely fresh water, treated wastewater and harvested rain water on day basis.
7. Proponent to submit a revised Plan for parking along with electric vehicle charging facility location in the premises.
8. Proponent to submit the Water balance flow diagram incorporating three different sources of water supply namely fresh water, treated wastewater and harvested rain water along with their reuses in different process and purposes with specific to the project
9. Proponent to provide layout plan of project which indicates the location of ETP, STP, DG sets, storage facility for rain water harvesting and Organic waste converter site (OWC).
10. The project proponent should use more renewable energy such as solar energy as far as possible to reduce the consumption of conventional electricity in order to reduce the GHG emission.

The project proponent submitted their replies through online Parivesh Portal on 21/12/2022 and the matter was listed for reply presentation in 715th SEAC meeting dated 07/01/2023. The

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

1. The environmental clearance is sought for City Side Development Project at Village- Farukhabad Chillavan, Tehsil – Sarojni Nagar, Lucknow, U.P., M/s Adani Airport Holdings Limited.
2. The standard terms of reference in the matter were issued through online Parivesh Portal on 24/05/2022 and EIA report submitted by the project proponent on 04/11/2022.

3. Area details of the project:

S. No.	Particulars	Total Area (m ²)
1.	Total Site Area	4,45,154.2
2.	Plot Area for Phase-I	62,182.69
3.	Permissible Ground Coverage (@ 45%)	27,982.33
4.	Proposed Ground Coverage (44.7 %)	27,863
5.	Permissible FAR (2.5)	1,55,456.72
6.	Proposed FAR (2.46)	1,53,289*
7.	Proposed Non-FAR including basement, services, balcony, etc.	178806
8.	Superstructure Non FAR	15,328.9
9.	Built-Up Area (6+7)	3,47,423
10.	Landscape Area (@ 18.05 %)	11,225
11.	Maximum height of the building (m)	35

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

DESCRIPTION	DETAILS
Plot Area for Phase- I	62,182.69
Built-Up Area	3,47,423 m ²
Parking Proposed	4,087 ECS (including , 5 % parking for Electrical vehicles, which comes out to be 205 ECS)
Population	31,108 nos (includes staff, visitors & guests)
Total Water requirement	1256 KLD
Waste Water Generation & treatment	1071 KLD (70 KLD ETP (chemical coagulation) for laundry water treatment & 1290 KLD (MBBR) STP)
Fresh Water Requirement	397 KLD (Source : State Water Supply-Jal Kal Vibhag NagarNigam,Lucknow)
RWH structures	160 KLD
Groundwater recharging pits	07 Pits
Solid Waste Generation	6,099 kg/day
Material recovery facility / Solid Waste Management Yard area	380 sqm
Organic Waste Converter capacity	1 Ton
Electrical load	13,500 kVA; Source: State Electricity Board
DG set	7 no. of DG sets of total capacity 13,500 kVA (1*1500 kVA + 6*2000 kVA)
Project Cost	INR 1,116.50 Crores
EMP Cost	Total budget of ~INR 14.15 Crores. will be implemented as CAPEX and Total budget of ~INR 0.78 Crore will be implemented as recurring expenses in phases for implementation of environmental management plan for the proposed project.

5. Population details:

S. No.	Facility	Population
1.	RETAIL SPACE:	
a.)	Multiplex Staff Visitors	96 3573
b.)	Retail	

	Staff Visitors	581 5226
c.)	Entertainment & Virtual Reality Staff Visitors	77 697
d.)	F&B Staff Visitors	1548 6193
2.	HOTEL (3 STAR) Staff Visitors Guests	300 1667 1200
3.	HOTEL (4 STAR) Staff Visitors Guests	300 1667 706
4.	BUSINESS CENTRE	
a.)	Convention Centre Staff Visitors	800 4000
b.)	Flexi Office Staff Visitors	2477 0
	TOTAL POPULATION	31,108

6. Total Parking Proposed = 4,087 ECS (including, 5 % parking for Electrical vehicles, which comes out to be 205 ECS).

7. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Water Requirement (KLD)
A.	Domestic Water			
1.	Staff (all)	6179	45	278
2.	Visitors (all)	23023	15	345
3.	Hotel Guests (3Star)	1200	180	216
4.	Hotel Guests (4Star)	706	320	226
Total Domestic Water = 1065 KLD				
B.	Hotel Laundry [4 Star- 352 Keys X 9 Kgs=3168 Kgs 3 Star- 600 Keys X 9 Kgs=5400 Kgs]	8568 kg	@9 litre/kg	77 KLD
C.	HVAC (3 x 900 TR+2 x800 TR= 4300 TR)	12 Hours	@8 ltr/ton/hr	First time water requirement 412.8 KLD say 413 KLD Water Makeup – 80 KLD
D.	Horticulture	11,225 m ²	3 lt./m ² /day	34 KLD
Grand Total (A+B+C+D) = 1256 KLD				

8. 50% of the Rooftop rainwater collected in rainwater harvesting tank of 160 KL at basement level 1 for reusing, while the rest of the rainwater will be guided for ground water recharging and stored in proposed 07 recharging pits.

9. During monsoon, the fresh water demand will be reduced to 237 KLD which will be met through State Govt. water supply, as 160 KLD water demand will be met through rain water harvested, and remaining will be recycled water.

10. Waste water details:

Domestic Water	1065 KLD
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Potable (@30%)	320 KLD
Flushing (@70%)	746 KLD
Laundry Water	77 KLD
Wastewater [@80% potable + 90% laundry + 100% flushing]	256+ 69+ 746 = 1071 KLD
STP Capacity	1290 KLD (modular)
ETP Capacity for Laundry water treatment	70 KLD

- 1071 KLD of wastewater is expected to be generate from the proposed project. Approx. 90% of water, i.e. 964 KLD will be recycled from the STP of 1290 KLD capacity.
- A 70 KLD treatment plant is designed for preliminary/primary treatment of wastewater generated through laundry before passing it through 1290 KLD MBBR based STP.
- The recycled water/ treated effluent will be reused in Flushing, HVAC & Horticulture and will also be supplied to CCSIA for using in Horticulture and other purpose.

11. Solid waste generation details:

14. Solid waste generation details:				
S. No.	Description	Occupancy	Norms (kg/capita/day)	Waste Generated (kg/day)
1.	Staff (all)	6179	0.25	1544.75
2.	Visitors (all)	23023	0.15	3,453.45
3.	Hotel Guests (3Star)	1200	0.5	600
4.	Hotel Guests (4Star)	706	0.5	353
5.	Horticultural Waste (2.77 acre)	@ 0.2 kg/acre/day		0.554
6.	STP Sludge	0.35 x waste water x BOD difference/1000		146.91
Total Solid Waste Generation = 6,098.664 kg/day say 6099 kg/day				

- Material recovery facility / Solid Waste Management Yard will be developed within an area of 380 sqm.
- Organic Waste Converter of 1 Ton capacity will be installed at site as per modular basis.

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

The consultant (EIA Coordinator) also submitted an affidavit dated 16/11/2022 mentioning is as follows:

1. I, Mudita Tomar is EIA Coordinator of M/s Grass Roots Research and Creation (I) Pvt. Ltd.
2. I have prepared EIA/EMP report for the proposal in name of City Side Development Project at Village- Farukhabad Chillavan, Tehsil – Sarojni Nagar, Lucknow, U.P., M/s Adani Airport Holdings Limited with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information submitted along with EIA report for environmental clearance are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 08

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:

Additional Conditions:

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
2. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
3. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
4. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
5. The project proponent should develop 03 tier plantations to all around the boundary of project.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

1. Statutory compliance:
 1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
 2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
 3. 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.
 4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
 7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
 9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
 1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

5. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
6. Wet jet shall be provided for grinding and stone cutting.
7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
 1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
 4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
 6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
 8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge

- is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
 21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
 2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
 2. Outdoor and common area lighting shall be LED.
 3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
 1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
 2. Disposal of muck during construction phase shall 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.
 3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
 4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
 5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
 7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
 8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
 9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
 1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
 3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
 4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. 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 be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
 1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
 2. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
 1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:

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

9. Letter of Mr. Suresh Chandra Yadav dated 03-11-2022 regarding presentation of incorrect data.

The Secretariat informed the committee that the matter was earlier discussed in 672nd SEIAA meeting dated 18/11/2022 wherein:

“SEIAA gone through the letter of Mr. Suresh Chandra Yadav dated 03-11-2022 regarding the above subject. SEIAA opined to refer the letter to SEAC-2 for necessary action as this project is being evaluated by them.”

As per the decision of SEIAA, the matter was listed in 715th SEAC meeting dated 07/01/2023. The committee has gone through the file and documents and observed that the above letter of Mr. Suresh Chandra Yadav is not available in the file. Hence, the committee requested the SEIAA to provide the above letter to SEAC for necessary action.

10. Letter of Mr. Satish dated 07-11-2022 regarding cancellation of illegal Environmental Clearance letter dated 14.12.2021 granted for file 6599 bearing EC identification no. EC21B001UP153109, as EC granted on the basis of fraud and misleading information by PP/consultant.

The Secretariat informed the committee that the matter was earlier discussed in 672nd SEIAA meeting dated 18/11/2022 wherein:

“SEIAA gone through the letter of Mr. Satish dated 07-11-2022 regarding the above subject. SEIAA opined to refer the letter to SEAC-2 for necessary action as this project is being evaluated by them.”

As per the decision of SEIAA, the matter was listed in 715th SEAC meeting dated 07/01/2023. The committee has gone through the complaint letter dated 28/10/2022 of Shri Satish, S/o Shri Barkhu, Kotiya Degar, Siddharthnagar, U.P. and decided to share the aforesaid complaint letter with the Project Proponent/Consultant to submit points-wise reply to the complaint made by the complainant.

The matter will be discussed after receipt of points-wise reply from the Project Proponent/Consultant.

11. Ordinary Soil Mining Project at Gata No.- 3, 61, 59 mi, Village- Chak Hamidpur, Tehsil-Kanth, District-Moradabad, U.P., (Leased Area : 3.1290 ha). File No. 7488/Proposal no. SIA/UP/MIN/412012/2022

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

1. The environmental clearance is sought for Ordinary Soil Mining Project at Gata No.- 3, 61, 59 mi, Village- Chak Hamidpur, Tehsil-Kanth, District-Moradabad, U.P., (Leased Area: 3.1290 ha).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/412012/2022
2.	File No. allotted by SEIAA,UP	7488
3.	Name of Proponent	Shri Atul Kumar Singh S/o Shri Raju Singh
4.	Registered Address	R/o- Village- Bhatawali, Tehsil & District- Moradabad, Uttar Pradesh.
5.	Full correspondence address of proponent and mobile no.	R/o- Village- Bhatawali, Tehsil & District- Moradabad, Uttar Pradesh.
		Mobile no.-
		E-mail ID-
6.	Name of Project	Ordinary Soil Mining Project

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7.	Project location Khasra No	Gata No.- 3, 61, 59 mi		
8.	Name of Village	Chak Hamidpur		
9.	Tehsil	Kanth		
10.	District	Moradabad, Uttar Pradesh.		
11.	Name of Minor Mineral	Ordinary Soil		
12.	Sanctioned Lease Area (in Ha.)	3.1290 Ha.		
13.	Max. & Min mRL within lease area	The highest level is 209.0mRL The lowest level is 207.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Gata No.	Pillar	Latitude Longitude
		3	A	28°55'52.00"N 78°40'6.80"E
			B	28°55'57.69"N 78°40'12.13"E
			C	28°55'59.15"N 78°40'10.46"E
			D	28°55'59.02"N 78°40'8.02"E
			E	28°56'0.67"N 78°40'6.76"E
			F	28°55'56.04"N 78°40'2.10"E
		61	A	28°55'55.76"N 78°40'1.85"E
			B	28°55'54.56"N 78°40'3.23"E
			C	28°55'49.41"N 78°39'58.61"E
			D	28°55'50.51"N 78°39'57.28"E
		59mi	A	28°55'50.55"N 78°39'57.21"E
			B	28°55'51.67"N 78°39'55.60"E
			C	28°55'52.72"N 78°39'56.77"E
			D	28°55'51.79"N 78°39'58.39"E
15.	Period of agreement between Project proponent & Land Owner	3 Months		
16.	Mine Plan approval details	Letter No. 453 @[kfut@2022 Dated 17-12-2022		
17.	Validity of Mine Plan	3 Months		
18.	Total Proposed Production	59922.59 M ³		
20.	Method of Mining	Opencast/ Semi Mechanized		
21.	No. of workers	15 Workers		
22.	Type of Land	Private Land		
23.	Ultimate Depth of Mining	2.20 m		
24.	Water Requirement	Source	Purpose	Details Avg..Demand/Day
		Portable Tanker	Drinking & others @ 20 lpcd/ worker	15 workers x 20 lpcd 0.30 KLD
			Plantation @5 Lit/plant	100 sapling x 5 0.50 KLD
			Dust suppression @ 1 Lit/Sq.m	Houl Road Area= (50m Length x 6m Width)=300 x 2 Time 0.60 KLD
			Total	1.40 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultants, QCI NABET/EIA/2124/IA 0077 Valid till 24.02.2024		
26.	Any litigation pending against the project or land in any court	No		
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for	None		

	breeding, nesting, foraging, resting, migration	
28.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 452 @[kfut@2022 Dated 17-12-2022
29.	Proposed CER cost	Rs. 33,250/-
30.	Proposed EMP cost	Rs. 1,00,000/-
31.	No. of Trees to be Planted.	100
32.	Detail of CTE/CTO issued by UPPCB	NA

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

The consultant (EIA Coordinator) also submitted an affidavit dated 06/01/2023 mentioning is as follows:

1. I, Brij Mohan Singh Negi, S/o K.S. Negi is EIA Coordinator of M/s Earthvision India Associate Consultants.
2. I have prepared EIA/EMP report for the Proposal EC in the name of Shri Atul Kumar Singh, S/o Shri Raju Singh with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EC presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 11

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

(Prof. Jaswant Singh)
Member, SEAC-2

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

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

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

Nodal, SEAC-2

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

Annexure-1

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

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

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

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

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

were collected and the sources should be indicated.

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

Annexure-2

General and Specific Conditions for Soil Earth Mining Projects:-

General condition:

1. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. 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.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the agreement/mining plan whichever is less.
2. Environment management should be in accordance with the present environment status of the project.
3. Approach kaccha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be leveled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.
15. The project boundary shall be properly covered to restrict dust dispersion.
16. Precautionary measures during soil excavation for conservation and protection of rare and endangered flora and fauna found in the study area.
17. Noise level shall be maintained as per standards for both day and night.
18. The route map for soil transportation from excavation plots to work site should be firmed up and necessary permissions shall be sought from District Administration.
19. Vehicles hired for the transportation should be in good condition and should have Pollution

- Check Certificate and should conform to applicable air and noise emission standards.
20. Personnel exposure monitoring for respirable mineral dust shall be carried out for the workers and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal protective equipments etc. shall be carried out periodically. First aid facilities and adequate sanitary facility in the form of temporary toilets/septic tanks.
 21. Solid waste material vizgutkha rappers, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management Rules.
 22. Project proponent should maintain daily register for information of (a) collection of soil/clay, (b) manpower & (c) transportation purpose.
 23. Soil mining shall strictly be undertaken as per rules and regulations/permissions obtained from District Administration/Mining Department
 24. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
 25. The borrowing/excavation activity shall be restricted to a maximum depth of 2 m. below general ground level at the site.
 26. The borrowing/excavation activity shall be restricted to 2 m. above the ground water table at the site.
 27. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
 28. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
 29. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
 30. Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
 31. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
 32. Workers/labourers shall be provided with facilities for drinking water and sanitation.
 33. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
 34. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.