

### **Minutes of 483<sup>rd</sup> SEAC Meeting Dated 07/08/2020**

The 483<sup>rd</sup> meeting of SEAC was held through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) on 07/08/2020. Following members were participate in the online meeting:

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

The Chairman welcomed the members to the 483<sup>rd</sup> SEAC meeting which was conducted online.  
The SEAC unanimously took following decisions on the agenda points discussed:

**1. Formaldehyde Manufacturing Unit-19800 MT/ Annum (60.0 MT/day) at Plot No.-12, Rajapur Industrial Area, Lakhimpur Kheri..M/s Power Bridge Chemicals. File No. 5731/Proposal No. SIA/UP/IND2/54695/2020**

**RESOLUTION AGAINST AGENDA NO-01**

SEAC went through the file and documents and observed that standard TOR dated 15/07/2020 has already been issued in this case through online portal. The committee discussed the matter and decided to add following additional TOR point for the preparation of EIA report regarding the project:

1. Emergency plan for air pollution and accidental leakage should be provided at the time of EIA presentation.

**2. Expansion & Modification of existing distillery from 80 KLD to 100 KLD along with 5.0 MW Co-gen Power plant at Shamli, U.P., M/s Shamli Distillery & Chemical Works Ltd. File No. 5356/Proposal No. SIA/UP/IND2/133979/2020**

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

1. The environmental clearance is sought for Expansion & Modification of existing distillery from 80 KLD to 100 KLD along with 5.0 MW Co-gen Power plant at Shamli, U.P., M/s Shamli Distillery & Chemical Works Ltd.
2. Environment Clearance for the earlier proposed was issued by MoEF&CC, Govt. of India vide letter no. J-11011/06/2010-IA-II(I), dated 26 Sep 2012.

3. The proposal has submitted under the provision of para 7(ii) of the EIA Notification, 2006 (as amended), therefore the committee deliberated the compliance status of Earlier EC submitted by PP and found in order.

4. Salient features of the project:

S. N.	Particulars	Details	
1.	Name of the project	Expansion & Modification of existing molasses based distillery capacity from 80 KLD to 100 KLD.	
2.	Location Details		
	Village	Shamli	
	Tehsil&District	Shamli	
	State	Uttar Pradesh	
3.	Project Area	No additional land will be required for the proposed expansion. Existing Land : 81.5448 Acre (33 hectare)	
4.	Co Gen Power generation	5.0 MW	
5.	Total project cost	Rs9023lakhs (Estimated for proposed expansion)	
6.	No. of working days	365 Days	
7.	Raw material	Molasses	
8.	Quantity of Raw Material	Existing Details	Proposed Expansion
		480 T/Day Molasses	All Grades of Molasses (B & C heavy molasses) Molasses: 512 T/Day
9.	Fuel requirement	Existing Details	Proposed Expansion
		Bagasse-180 TPD	Slop-295 KLD and Bagasse- 137 TPD
10.	Fresh Water requirement	Existing Details	Proposed Expansion
		965 KLD Domestic: 20 KLD	700 KLD Domestic : 20 KLD
11.	Source of water	Tube well	
12.	Waste Water Generation	Existing Effluent Generation	Proposed Expansion
		560.0 KLD	720.0 KLD
13.	Waste Water Treatment Strategy	Existing Details	Proposed Expansion
		Spent wash first bio-methanated, then bio- methanated spent wash is being concentrated in MEE and concentrated from MEE is being utilised in bio-composting.	Generated spent wash will be concentrated in Seven Stage MEE. Then concentrated spent wash will be used as fuel along with Bagasse in Slop fired boiler capacity: 40 TPH
14.	Boiler	Existing Details	Proposed Expansion
		15 TPH Bagasse Fired Boiler	Slop fired incineration boiler- 40 TPH. Existing Bagasse fired boiler will be dismantle after expansion.
15.	No of Stack	01 new stack of height 72 m will be attached to the proposed Electrostatic Precipitator (ESP).	
16.	Green belt development	Approx. 33 % of total area (10.89 Ha)	
17.	Cost of Pollution Control Equipment	4364 Lakhs	
18.	Recurring Expenses on Environmental protection	405 Lakhs/ Annum	
19.	Category of Project	Category : B and Schedule : 5 (g)	
20.	Corporate Environmental Responsibility (CER)	Rs 94 lakhs (1% of expansion project cost)	
21.	Employment generation	Existing Details	Proposed Expansion
		80 Nos	100 s

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

**RESOLUTION AGAINST AGENDA NO-02**

**The committee discussed the matter and recommended grant of environmental clearance as per para 7(ii) of EIA notification, 2006 (as amended) along with following conditions:**

**I. Statutory compliance:**

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
2. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.
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 prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
6. 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.
7. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
8. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

**II. Air quality monitoring and preservation:**

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.s 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 direct ions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission

and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.

4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

**III. Water quality monitoring and preservation:**

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

**IV. Noise monitoring and prevention:**

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

**V. Energy Conservation measures:**

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

**VI. Waste management:**

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

**VII. Green Belt:**

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

**VIII. Safety, Public hearing and Human health issues:**

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

**IX. Corporate Environment Responsibility:**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to

- the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
  5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary.
14. The Company in a time bound manner shall implement these conditions.

15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**3. Manufacturing of Bulk Drug, Active Pharmaceutical Ingredient (API's) and Intermediates Products (84 TPA) at Plot No.-M-3, Kosi Kotwan Extension-I, UPSIDC Industrial Area, Village-Nabipur, Tehsil-Chhata, District- Mathura, U.P., M/s Yas Fateh Bio Science Pvt. Ltd. File No. 5734/Proposal No. SIA/UP/IND2/163799/2020**

A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Manufacturing of Bulk Drug, Active Pharmaceutical Ingredient (API's) and Intermediates Products (84 TPA) at Plot No.-M-3, Kosi Kotwan Extension-I, UPSIDC Industrial Area, Village-Nabipur, Tehsil-Chhata, District- Mathura, U.P., M/s Yas Fateh Bio Science Pvt. Ltd.
2. The proposed activity comes under Category 'B-2' of Project activity 5 (f) Synthetic Organic Chemical industry [bulk drugs and intermediates] (As per the Notification S.O. 1223 (E) Dated 27th March, 2020).
3. Salient features of the project:

FEATURES	DESCRIPTION
Name of the Company	M/s Yas Fateh Bio Science Private Limited
Project & Location	Manufacturing of Bulk Drugs, Active Pharmaceutical ingredient (APIs) and Intermediates Products At Plot No. M - 3, 4 Kosi Kotwan Extension-I UPSIDC Industrial Area, Village – Nabipur, District – Mathura, UP
Schedule & Category	Schedule - 5 (f), Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug Formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) Category – B2 as per (As per the Notification S.O. 1223(E) Dated 27th March., 2020).
Water Requirement	8 KLD (Source - CGWB)
Wastewater (ETP )	3.5 KLD
Electricity load	95 KW
Power Back-up	125 kVA
Source of Power	Uttar Pradesh Power Corporation Ltd. (UPPCL)
Green Area	396 Sq.m
Total Project Cost	294 Lakh.

**4. List of Products & Quantity:**

SL. No	Product Name	Capacity TPA
Bulk Drugs/API's		

1	Betamethasone Dipropionate	2
2	Betamethasone Sodium Phosphate	2
3	Betamethasone Valerate	2
4	Beclomethasone Dipropionate	2
5	Clobetasol propionate	2
6	Dexamethasone Disodium Phosphate	2
7	Deflazacort	2
8	Hydrocortisone Acetate	2
9	Methylprednisolone Acetate	2
10	Prednisolone Acetate	2
11	Mometasone Furoate	2
12	Vitamin- Methylcobalamin	2
13	Triamcinolone Acetonide	10
14	Glimepiride	10
15	Saxagliptin	10
16	Aripiprazole	10
17	Fluocinolone Acetonide	10
18	Benfotiamine	10
Total Capacity		84 TPA

**5. Water requirement details:**

S. No	Category	Water Consumption (L/Day)	Wastewater Generation L/Day	Remark
1.	Domestic	2,000	1,500	To soak pit through septic tank
2.	Other Uses (Gardening) (Recycled water)	500	Nil	From ETP Outlet
3.	Industrial			
	Process	2,000	1,900	To treatment plant for treatment
	Equipment & Reactor	1,000	1,000	
	Laboratory	400	400	
	Cooling Tower	1,000	Nil	
	Boiler	1,000	100	
	Scrubber	100	100	
	Total Industrial	5,500	3,500	
	Total Industrial + Domestic	8,000	5,000	

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

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith following conditions:**

1. Emergency plan for accidental leakage of gases and waste water should be ensured.
2. Characterization of treated waste water quality should be ensured as per guidelines.
3. Good manufacture practises should be followed during whole operation.
4. Statutory compliance:
  - i. The project proponent should obtain necessary permission from Drug Controller, Govt. of India, within time frame.
  - ii. 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.
  - iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  - iv. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation



- with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule species in the study area).
- v. 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.
  - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
  - vii. 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.
5. 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
  - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
  - iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> 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.
  - iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. 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.
  - v. Storage of raw materials, coal etc, shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
  - vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
  - vii. 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.
6. Water quality monitoring and preservation:
- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
  - ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
  - iii. 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.
  - iv. 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.

- v. 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.
  - vi. 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.
  - 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.
7. 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.
8. Energy Conservation measures:
- i. The energy sources for lighting purposes shall preferably be LED based.
9. 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 shall be disposed off to the TSDF.
  - iii. The company shall undertake waste minimization measures 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
10. Green Belt:
- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
11. 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 unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
  - iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
  - iv. 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.
  - v. 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.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
  - vii. 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.
12. 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 / 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.
13. Miscellaneous:
- i. Environment Clearance subjected to condition of necessary permission from Drug Controller and Department of Industry.
  - ii. Monitoring of dioxin and furon from biomass fueled boiler should be done.
  - iii. Agreement with TSDF vendors shall be submitted.
  - iv. 100% waste water is to be treated in ETP conforming to prescribed standards of receiving body for designated use.
  - v. 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.
  - vi. 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.
  - vii. 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.
  - viii. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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.
  - ix. 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.

- x. 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.
- xi. 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.
- xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xiii. 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.
- xiv. 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).
- xv. 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.
- xvi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xviii. 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.
- xix. 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.
- xx. 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.

**4. Revision and Expansion of Group Housing Project "Devika Gold Homz" at Plot No.- GH-06C, Sector-01, Greater Noida (West), District-Gautam Budha Nagar, U.P., M/s Devika Gold Homz Pvt. Ltd. File No. 5617/Proposal No. SIA/UP/MIS/ 52465/2019**

**RESOLUTION AGAINST AGENDA NO-04**

The project proponent did not present at the time of presentation. Hence, the committee directed to defer the matter. The matter will be discussed only after submission of online request on prescribed portal.

**5. Revision & Expansion of Commercial Project "Spectrum@metro-II" at Plot No.-A & B, Eco City, Sector-75, Noida, District- Gautam Budh Nagar, U.P., M/s Aims Max Gardenia Developers Pvt. Ltd. File No. 5737/Proposal No. SIA/UP/MIN/54927/2020**

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

1. The environmental clearance is sought for Revision & Expansion of Commercial Project "Spectrum@metro-II" at Plot No.-A & B, Eco City, Sector-75, Noida, District- Gautam Budh Nagar, U.P., M/s Aims Max Gardenia Developers Pvt. Ltd.
2. Environment clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 535/Parya/SEAC/4544/2018 dated November 29, 2018 for the built-up area 1,40,360.19 m<sup>2</sup> and plot area 30,934 m<sup>2</sup> respectively.
3. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 176/Parya/SEAC/4874/2018 dated 30/06/2020. EIA report submitted by the project proponent on 21/07/2020.
4. Salient features of the project:

Description	Proposed
Plot Area	34,531.00 m <sup>2</sup>
Built-up Area	1,53,380.492 m <sup>2</sup>
Green Area	10,784.825 m <sup>2</sup> @ 31.23 % of Total Plot Area
Total Water Requirement	915 KLD
Fresh Water Requirement	194 KLD
Wastewater Generation	608 KLD
Capacity of STP	750 KLD
Solid Waste Generation	3,922 kg/day
Parking Required & Provided	2,071 ECS & 2,135 ECS
Power Demand & Source	8,493kVA (Noida Power Company Limited)
Back up	13,010 kVA (6 x 2000 kVA + 1 x 1010 kVA)
RWH Pits	10 pits
Project Cost	400 Crores
Expected Date of Completion of project	7 years from the date of grant of EC as per the office memorandum 12.04.2016

**5. Comparative area details:**

S. No.	Particulars	Area (m2)	
		As per Earlier EC	Post Revision & Expansion
1.	Total Plot Area	30,934.00	34,531.00
2.	Permissible Ground Coverage	12,373.60 (@ 40% of Total Plot Area)	13,812.400 (@ 40% of Total Plot Area)
3.	Proposed Ground Coverage	10,188.00 (@ 32.93% of Plot Area)	13,164.785 (@ 38.12% of Plot Area)
4.	Total Permissible F.A.R. Permissible Commercial F.A.R.	92,802.00 (@ 3.00 of the Plot Area)	1,03,593.000 (@ 3.00 of the Plot Area)
5.	Total Proposed F.A.R. Proposed Commercial F.A.R. Meter Room	76,074.59 76,074.59 Nil	1,03,532.268 1,03,520.268 12.00
6.	Non F.A.R. Area Basement 1 Basement 2 Basement 3 Service Floor	49,725.16 9063.82 20330.67 20330.67 Not Included In Non FAR *1	40,898.987 19221.989 20380.763 Nil 1296.235 (Included In Non FAR *2)
7.	Proposed Area in 15% Facility Area	11,348.57	8,949.237

	(Fire Stair Case + Lift Lobby + Mumty + Machine Room + Lift Shafts + Service Shafts+ Guard Room +Visitor Toilets)		
8.	Service Floor Area	3,211.87	(Included In Non FAR *2)
9.	Total Built-Up Area (5+6+7+8)	1,40,360.19 (5+6+7+8)	1,53,380.492 (5+6+7+8)
10.	Open Area	20,746.00 (@ 67.06% of Total Plot Area)	21,366.215 (@ 61.88% of Total Plot Area)
11.	Landscape Area	10,550.00 (@ 34.10% of Total Plot Area)	10,784.825 (@ 31.23% of Total Plot Area)
12.	Height of the Highest Building	85.45 m	84.90 m

**6. Water requirement details:**

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Total Requirement (KLD)
A.	DOMESTIC WATER			
(a)	Staff – (Including Shops, Food	2,115	@ 45	95.17
(b)	Courts, Restaurants, Auditorium,	16,182	@ 15	242.73
(c)	Banquet/Club, Entertainment	3,237	@ 70	226.59
(d)	Zones & Service Apartments)	960	@ 86	82.56
	Visitor – (Including Shops, Auditorium, Banquet/Club, Entertainment Zones & Service Apartments)			
	Visitor– (Food Court & Restaurants)			
	Guest – (Services Apartments)			
TOTAL DOMESTIC WATER DEMAND				647.05 say 647 KLD
B.	HORTICULTURE	10,784.825 m <sup>2</sup>	3 lt/sqm/day	33
C.	HVAC COOLING (12 Hours)	2800 TR	7 lt/Tr/hr	235
GRAND TOTAL (A+B+C)				915 KLD

**7. Solid waste details:**

S. No.	Category	kg per capita per day	Waste generated (kg/day)
1.	Domestic Waste		
(a)	Staffs	2,115 @ 0.25 kg/day	528.75
(b)	Visitors	19,419 @ 0.15 kg/day	2,912.85
(c)	Service Apartment Guests	960 @ 0.50 kg/day	480
2.	Landscape waste (2.66 acres)	@ 0.2 kg/acre/day	0.6
TOTAL SOLID WASTE GENERATED			3,922.2 kg/day say 3,922 kg/day

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

**RESOLUTION AGAINST AGENDA NO-05**

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

1. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
19. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
20. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
21. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent

CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.

22. No parking shall be allowed outside the project boundary.
  23. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
  24. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
  25. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
  26. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  27. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
  28. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
  29. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
  30. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
  31. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
  32. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
  33. All the internal drains are to be covered till the disposal point.
  34. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
  35. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.
6. **New Molasses/Cane Juice based distillery capacity - 80 KLD and Grain based distillery having Capacity 80 KLD (Maximum Capacity of Distillery-160 KLD) along with 5.0 MW Co-Generation Power Plant at Khasra No: 103,46,53,37,39,59,23,41,49 Mi, 56, 60, 61, 65, 70, 37, 39, 59, 36 Mi, 38, 46 Mi, 49, 50, 51, 52, 54, 55, 57, 63, 64, 71, 72, 73, 74, 76, 80, Village-ShalpurNavadiya, Tehsil-Tilhar, District-Shahjahanpur., M/s Rajshree Fine Chemical Industries India Pvt. Ltd. File No. 5739/Proposal No. SIA/UP/IND2/55135/2019**

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



1. The environmental clearance is sought for New Molasses/Cane Juice based distillery capacity - 80 KLD and Grain based distillery having Capacity 80 KLD (Maximum Capacity of Distillery-160 KLD) along with 5.0 MW Co-Generation Power Plant at Khasra No: 103,46,53,37,39,59,23,41,49 Mi, 56, 60, 61, 65, 70, 37, 39, 59, 36 Mi, 38, 46 Mi, 49, 50, 51, 52, 54, 55, 57, 63, 64, 71, 72, 73, 74, 76, 80 Village-ShalpurNavadiya, Tehsil-Tilhar, District-Shahjahanpur., M/s Rajshree Fine Chemical Industries India Pvt. Ltd.
2. Terms of reference in the matter were issued by SEAC, UP, vide Ref no 546/Parya/SEAC/5107/2018, dated 20 Jan 2020.
3. Public hearing was organized on 20/07/2020. Final EIA report submitted by the project proponent on 26/07/2020.
4. Salient features of the project:

S. No.	Particulars	Details	
1.	Name of the project	New Molasses/Cane Juice based distillery capacity - 80 KLD and Grain based distillery having Capacity 80 KLD (Maximum Capacity of Distillery-160 KLD) along with 5.0 MW Co-Generation Power Plant	
2.	Location Details		
	Khasra No	Khasra No: 103,46,53,37,39,59,23,41,49 Mi, 56, 60, 61, 65, 70, 37, 39, 59, 36 Mi, 38, 46 Mi, 49, 50, 51, 52, 54, 55, 57, 63, 64, 71, 72, 73, 74, 76, 80.	
	Village	Shalpur Navadiya	
	Block	Khudaganj Katra	
	Tehsil	Tilhar	
	District	Shahjahanpur	
	State	Uttar Pradesh	
	Latitude	28°03'15.31” N	
	Longitude	79°38'57.47” E	
	Toposheet No.	53P/12, 53P/16, 54M/9 and 54M/13	
3.	Project Area	24.354706 Acre (9.856 hectare) (Land is already acquired by the unit)	
4.	Total project cost	14659 lakhs	
5.	No. of working days	365 Days	
6.	Process Involve	Fermentation & Distillation (Molasses Based), Liquefaction, Fermentation, Distillation, Evaporation & Dryer (Grain Based)	
7.	Category of Project	Category : B and Schedule : 5 (g)	
8.	Green belt development	3.26 Hectare (33 % of Total Project area)	
9.	Cost towards Environmental protection measures (Capital cost)	Rs. 3445 Lakh or 34.45 crores.	
10.	Recurring cost towards Environmental control Measures.	Rs. 350.0 Lakh per year	
11.	Corporate Environmental Responsibility (CER)	270 Lakhs (@ 1.5 % of Total Project cost),	
11.1	Cost towards Corporate Social Responsibility (CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs)Notification GSR 129 (E).	
12.	Raw Material Requirement	Plant I: During Molasses/ Cane Juice based	Plant II: During Grain based
		Molasses: 355 MT/DAY	Grain: 176 MT/DAY
13.	Boiler	40 TPH slop / Bagasse/ Multi-fuel fired boiler	
14.	Fuel Requirement	<ul style="list-style-type: none"><li>Bagasse/ Other Biomass/ Multi – fuel: 192 TPD</li><li>Slop Requirement: 240 KLD</li></ul> Bagasse/ Other Biomass: Procured from nearby sugar mills/ Open Market through road transport.	
15.	Air Pollution Control	ESP will be provided with Stack of height 72 meters in order to control	

	System	dust emissions from 40 TPH Boiler.	
16.	Steam Requirement	Plant I : During Molasses/ Cane Juice based	Plant II : During Grain based
		18.34 TPH	15.8 TPH
		Total Steam requirement 34.14 TPH	
17.	Power Requirement	5.0 MW	
18.	Fresh Water Requirement	Plant I : During Molasses/ Cane Juice based	Plant II : During Grain based
		480 KLD (@ 6.0 KL/KL of Products)	464.0 KLD (@ 5.8 KL/KL of products)
		Domestic Water Requirement : 20 KLD	
19.	Source of water	Tube well	
20.	Waste Water Generation	Plant I : During Molasses/ Cane Juice based	Plant II : During Grain based
		Spent Wash 624 KLPD @ 7.8 KL/KL of Product	Spent wash : 480 KLD (@ 6.0 KL/KL of Product)
21.	Waste Water Treatment Scheme	Zero liquid discharge, 100% recycling and reuse will be done.	
22.	Waste Water Treatment Strategy	Plant I : During Molasses/ Cane Juice based	Plant II : During Grain based
		Spent wash will be concentrated in Multi effect evaporation and then concentrate from MEE will be used as fuel in incineration boiler of capacity 40 TPH along with bagasse/ other biomass/ Multi fuel. Secondary effluent like MEE condensate and Blow down, less will be treated in Secondary ETP and reutilised in process and other use.	Spent Wash (Slops) generation from Distillation, will be sent through separation of suspended solids in Decanter Centrifuge, part Thin Slops are concentrated in Multi-effect evaporators to form a Thick (Protein) Syrup, which is mixed with the Wet Cake DWG separated earlier from Decanters. This interim product called DWGS has 30-32% w/w Solids is subject to drying in a rotating steam tube bundle dryer to deliver a value added by- product- DDGS- Distillers Dried Grains will soluble and which has min 90% Solids and max. 10% moisture. This DDGS sells as Cattle Feed/ Poultry Feed/ Fish Feed based on its Protein Content.
23.	Solid Waste Generation and its management	<ul style="list-style-type: none"> <li>Total Ash 46 MT/ Day: Due to high potash content will be used as manure.</li> <li>Yeast Sludge: 16 MT/Day will be sold to farmers.</li> <li>Condensate Polishing Unit Sludge: 5 KLD will be sold to the farmers.</li> <li>Cattle Feed DDGS: 27 TPD will be supplied to the farmer as having good nutrient value.</li> <li>Bagasse: 475 TPD will be used as supporting fuel in Slop fired boiler.</li> </ul>	
24.	Employment generation	148 (Source: Unskilled/ Semi-Skilled- Local area; Skilled- Local & Outside)	

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

**RESOLUTION AGAINST AGENDA NO-06**

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

**I. Statutory compliance:**

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

**II. Air quality monitoring and preservation:**

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission , and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

**III. Water quality monitoring and preservation:**

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

**IV. Noise monitoring and prevention:**

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

**V. Energy Conservation measures:**

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

**VI. Waste management:**

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

3. The company shall undertake waste minimization measures as below :-
  - vii. Metering and control of quantities of active ingredients to minimize waste .
  - viii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - ix. Use of automated filling to minimize spillage.
  - x. Use of Close Feed system into batch reactors.
  - xi. Venting equipment through vapour recovery system.
  - xii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**VII. Green Belt:**

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

**VIII. Safety, Public hearing and Human health issues:**

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

**IX. Corporate Environment Responsibility:**

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

Compliance Report.

5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous:**

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

Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**7. Stone (Khandas, Gitti & Boulder) Mining at Gata No.-332, Khanda No.- 02, at Village-Barokhar Khurd, Tehsil-Naraini, District-Banda., Smt. Sudha Singh., Area-1.61 ha. File No. 4983/Proposal No. SIA/UP/MIN/40641/2019**

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

1. The environmental clearance is sought for Stone (Khandas, Gitti & Boulder) Mining at Gata No.-332, Khanda No.- 02, Village-Barokhar Khurd, Tehsil-Naraini, District-Banda., (Leased Area-1.61 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 431/Parya/SEAC/4983/2019 dated 27/11/2019.
3. The public hearing was organized on 28/02/2020. Final EIA report submitted by the project proponent on 17/06/2020.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/40641/2019		
2. File No. allotted by SEIAA, UP	4983		
3. Name of Proponent	M/S Disha Enterprises Proponent- Smt. Sudha Singh W/o-Shri Sunil Singh		
4. Full correspondence address of proponent and mobile no.	R/O- Village-Nonia Muhal Chhaba Talab, District- Banda (U.P), Pin Code-210001		
5. Name of Project	Building Stone, Khanda Gitti & Boulder Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 332(Khand No.-02)		
7. Name of River	NA		
8. Name of Village	Barokhar Khurd		
9. Tehsil	Naraini		
10. District	Banda (U.P)		
11. Name of Minor Mineral	Building Stone, Khanda, Gitti & Boulder Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.61 ha.		
13. Mineable Area (in Ha.)	1.61 ha.		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 190.728 mRL Minimum mRL 157.10 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25°19'44.22"N	80°22'34.14"E
	B	25°19'43.17"N	80°22'36.52"E
	C	25°19'39.14"N	80°22'33.88"E
	D	25°19'38.85"N	80°22'34.17"E
	E	25°19'36.74"N	80°22'33.02"E
	F	25°19'38.41"N	80°22'30.95"E
	G	25°19'40.02"N	80°22'32.06"E
	H	25°19'40.67"N	80°22'31.37"E
17. Total Geological Reserves	568332 m <sup>3</sup>		
18. Total Mineable Reserves in LOI	16100 m <sup>3</sup> per year		
19. Total Proposed Production (in five year)	80500 m <sup>3</sup>		
20. Proposed Production/year	16100 m <sup>3</sup> per year		

21. Sanctioned Period of Mine lease	20 Year	
22. Production of mine/day	53.67 m <sup>3</sup> /day	
23. Method of Mining	Open cast, Manual, Semi-mechanized	
24. No. of working days	300	
25. Working hours/day	8 hours/day	
26. No. Of workers	27	
27. No. Of vehicles movement/day	4-5 Vehicles movement/day	
28. Type of Land	Highly Undulated Stony Scrub.	
29. Ultimate Depth of Mining	6 m	
30. Nearest metalled road from site	MRD-11B 1.23km towards East Direction	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.37 KLD
	Suppression of dust	7.20 KLD
	Plantation	0.10 KLD
	Others (if any)	-
	Total	7.73 KLD ( Approx. 8.0 KLD)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1619/IA0019 and valid up to 2/09/2020	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No.1009/ Khanij -30 dated 15/06/2019	
35. Details of Lease Area in approved DSR	शुद्धि पत्र पत्रांक- 1374/Khanij-30, बाँदा दिनांक: 13/ 08/2019, Page No.1, Sr. No.- 6	
36. Proposed CER cost	1,56,000 (2.6 % of the total Project cost)	
37. Proposed EMP cost/ Total Project cost	Total Project cost -60,00,000	
38. Length and breadth of Haul Road	600 m length and 6 m width	
39. No. of Trees to be Planted	160	

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO-07**

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

#### **8. Stone (Khandas, Gitti & Boulder) Mining at Gata No.-2450, Khanda No.- 03, Village-Jarar, Tehsil-Naraini, District-Banda, U.P., (Leased Area -2.0 ha.). Shri Safdar Ali, File No. 5000/Proposal No. SIA/UP/MIN/41426/2019**

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

1. The environmental clearance is sought for Stone (Khandas, Gitti & Boulder) Mining at Gata No.- 2450, Khanda No.- 03, Village-Jarar, Tehsil-Naraini, District-Banda, U.P., (Leased Area -2.0 ha.).



2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 429/Parya/SEAC/5000/2019 dated 27/11/2019.
3. The public hearing was organized on 28/02/2020. Final EIA report submitted by the project proponent on 23/06/2020.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/41426/2019		
2. File No. allotted by SEIAA, UP	5000		
3. Name of Proponent	Shri Safdar Ali S/O-Late Shri Farzand Ali		
4. Full correspondence address of proponent and mobile no.	R/O-Muhalla-Khunti Chauraha, Aliganj, City & District-Banda (U.P.)		
5. Name of Project	Building Stone, Khanda, Gitti &Boulder Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 2450(Khand No.-03)		
7. Name of River	NA		
8. Name of Village	Jarar		
9. Tehsil	Naraini		
10. District	Banda (U.P)		
11. Name of Minor Mineral	Building Stone, Khanda, Gitti &Boulder Mining Project		
12. Sanctioned Lease Area (in Ha.)	2.0 ha.		
13. Mineable Area (in Ha.)	2.0 ha.		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 192.90 mRL Minimum mRL 163.10 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25° 18’ 56.05’’N	80° 21’ 37.59’’E
	B	25° 18’ 55.32’’ N	80° 21’ 38.98’’ E
	C	25° 18’ 58.86’’ N	80° 21’ 46.28’’ E
	D	25° 19’ 1.48’’ N	80° 21’ 44.13’’ E
	E	25° 18’ 58.58’’ N	80° 21’ 38.69’’ E
	F	25° 18’ 57.21’’ N	80° 21’ 39.20’’ E
17. Total Geological Reserves	453668 m <sup>3</sup>		
18. Total Mineable Reserves in LOI	20000 m <sup>3</sup> per year		
19. Total Proposed Production (in five year)	100000 m <sup>3</sup>		
20. Proposed Production/year	20000 m <sup>3</sup> per year		
21. Sanctioned Period of Mine lease	20 Year		
22. Production of mine/day	66.67 m <sup>3</sup> /day		
23. Method of Mining	Open cast, Manual, semi mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	28		
27. No. Of vehicles movement/day	5-6 Vehicles movement/day		
28. Type of Land	Highly Undulated Stony Scrub.		
29. Ultimate Depth of Mining	6 m		
30. Nearest metalled road from site	MDR 11B about 3.01 km towards East direction from the project site		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.38 KLD
	Suppression of dust		7.20 KLD
	Plantation		0.80 KLD
	Others (if any)		-
	Total		8.38 KLD ( Approx. 8.5 KLD)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1619/IA0019 and valid up to 2/09/2020		
33. Any litigation pending against the project or land in	No		

any court	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 1019/ Khanij -30 dated 15/06/2019
35. Details of Lease Area in approved DSR	शुद्धि पत्र पत्रांक- 1374/Khanij-30, बाँदा दिनांक: 13/ 08/2019, Page No.1, Sr. No.- 12
36. Proposed CER cost	1,83,600 (3% of the total Project cost)
37. Proposed EMP cost/ Total Project cost	Total Project cost -61,20,000
38. Length and breadth of Haul Road	600 m length and 6 m width
39. No. of Trees to be Planted	100

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO-08**

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

#### **9. Stone (Khandas, Gitti & Boulder) Mining at Gata No.-2450, Khanda No.- 05, Village-Jarar, Tehsil-Naraini, District-Banda, U.P., (Leased Area -2.0 ha.). Shri Mumtaj Ali, File No. 5001/Proposal No. SIA/UP/MIN/41427/2019**

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

1. The environmental clearance is sought for Stone (Khandas, Gitti & Boulder) Mining at Gata No.- 2450, Khanda No.- 05, Village-Jarar, Tehsil-Naraini, District-Banda, U.P., (Leased Area -2.0 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 421/Parya/SEAC/5001/2019 dated 27/11/2019.
3. The public hearing was organized on 28/02/2020. Final EIA report submitted by the project proponent on 23/06/2020.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/41427/2019
2. File No. allotted by SEIAA, UP	5001
3. Name of Proponent	Shri Mumtaj Ali S/O-Late Shri Farzand Ali
4. Full correspondence address of proponent and mobile no.	R/O-Muhalla-Khunti Chauraha, Aliganj, City & District-Banda (U.P.)
5. Name of Project	Building Stone, Khanda, Gitti & Boulder Mining Project
6. Project location (Plot/Khasra/Gata No.)	Gata No. 2450 (Khand No.-05)
7. Name of River	NA
8. Name of Village	Jarar
9. Tehsil	Naraini
10. District	Banda (U.P)
11. Name of Minor Mineral	Building Stone, Khanda, Gitti & Boulder Mining Project
12. Sanctioned Lease Area (in Ha.)	2.0 ha.
13. Mineable Area (in Ha.)	2.0 ha.
14. Zero level mRL	NA

15. Max. & Min mrl within lease area	Maximum mRL 190.95 mRL Minimum mRL 163.90 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25° 18' 55.26"N	80° 21' 39.03"E
	B	25° 18' 53.48" N	80° 21' 42.24" E
	C	25° 18' 55.85" N	80° 21' 48.05" E
	D	25° 18' 58.84" N	80° 21' 46.32" E
17. Total Geological Reserves	397655 m <sup>3</sup>		
18. Total Mineable Reserves in LOI	20000 m <sup>3</sup> per year		
19. Total Proposed Production (in five year)	100000 m <sup>3</sup>		
20. Proposed Production/year	20000 m <sup>3</sup> per year		
21. Sanctioned Period of Mine lease	20 Year		
22. Production of mine/day	66.67 m <sup>3</sup> /day		
23. Method of Mining	Open cast, Manual, Semi- mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	28		
27. No. Of vehicles movement/day	5-6 Vehicles movement/day		
28. Type of Land	Highly Undulated Stony Scrub.		
29. Ultimate Depth of Mining	6 m		
30. Nearest metallled road from site	MDR 11B about 3.01 km towards East direction from the project site		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.38 KLD
	Suppression of dust		7.20 KLD
	Plantation		0.80 KLD
	Others (if any)		-
	Total		8.38 KLD ( Approx. 8.5 KLD)
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1619/IA0019 and valid up to 2/09/2020		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No.1020/ Khanij -30 dated 15/06/2019		
35. Details of Lease Area in approved DSR	शुद्धि पत्र पत्रांक- 1374/Khanij-30, बाँदा दिनांक: 13/ 08/2019 , Page No.1, Sr. No.- 14		
36. Proposed CER cost	1,66,500 (2.5 % of the total Project cost)		
37. Proposed EMP cost/ Total Project cost	Total Project cost -66,60,000		
38. Length and breadth of Haul Road	600 m length and 6 m width		
39. No. of Trees to be Planted	100		

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

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

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

**10. Stone(Khanda, Gitti & Boulder) mining at Gata No.-2451, Khand No.- 05, at Village-Jarar, Tehsil-Naraini, Banda., M/s Maa Gaytri Traders, Area -2.75 ha. File No. 5048/Proposal No. SIA/UP/MIN/42885/2019**

**RESOLUTION AGAINST AGENDA NO-10**

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

**11. Brick Earth Mining at Gata No.-1547, 1585, 1414, 4866, 1557, 1584, 1586, 1802, 1649, 1587, 1679, 1007mi, 1008, 1589, 1591, 1592, 1588, 1593, 1664, 1437, 1380mi, 1447, Village- Rampur Maghila, Tehsil-Tirwa, District-Kannauj, U.P., M/s Jai Balaji Brick Field , Area: 4.8430 Ha File No. 5738/Proposal No. SIA/UP/MIN/164781/2020**

**RESOLUTION AGAINST AGENDA NO-11**

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

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

The committee noted that the terms of reference (TOR) for the above proposal was issued by SEIAA, U.P. vide letter no. 552/parya/SEAC/4892/2019 dated 20/01/2020. The project proponent through letter dated 04/08/2020 informed that due to some typographical error in the TOR letter dated 20/01/2020, the salient features of the project under point no. 2 mentioned in file no. 5111 instead of file no 4892. The project proponent requested to make the correction in terms of reference (TOR) letter dated 20/01/2020 and issue the corrected/amended TOR letter.

The committee went through the file and found that the project details mentioned in TOR dated 20/01/2020 was wrongly but inadvertently put in the same. The committee discussed the matter and directed to replace the contents mentioned in point no. 2 of the TOR letter dated 20/01/2020 is as follows:

**2. Salient features of the project as submitted by the project proponent:**

1. On-line proposal No.	SIA/UP/MIN/36975/2019		
2. File No. allotted by SEIAA, UP	4892		
3. Name of Proponent	Shri Sanjay Kumar Gupta		
4. Full correspondence address of proponent and mobile no.	Prop. Shri Sanjay Kumar Gupta S/o Shri Govind Prasad Gupta R/o 1/1, Virangana Nagar, Kanpur Road , Tehsil & District- Jhansi, UP		
5. Name of Project	Terms of Reference for Building Stone (Khanda, Gitti, Boulder) Mining, at Gata No./Araji No. /Plot no. – 643, khand No. 17, Area 2.306 ha. (5.698 Acres) at Village – Goramachhiya, Tehsil & District- Jhansi, Uttar Pradesh Shri Sanjay Kumar Gupta		
6. Project location (Plot/Khasra/Gata No.)	643 khand No. 17		
7. Name of Village	Goramachhiya		
8. Tehsil	Jhansi		
9. District	Jhansi		
10. Name of Minor Mineral	Khand, Gitty/Boulders (Building stone)”		
11. Sanctioned Lease Area (in ha.)	2.306 ha.		
12. Max. & Min mRL within lease area	The highest level is 239.20 mRL the lowest level is 228.10 mRL		
13. Pillar Coordinates (Verified by DMO)	Pillar No	N	E
	A	25° 27. 878’	78° 40.345’
	B	25° 27.946’	78° 40.406’

		C	25° 27.937’	78° 40.479’	
		D	25° 27.914’	78° 40.505’	
		E	25° 27.885’	78° 40.507’	
14. Total Geological Reserves	9,28,355 m <sup>3</sup>				
15. Total Mineable Reserves	3,01,194 m <sup>3</sup>				
16. Total Proposed Production	115,300 m <sup>3</sup> (5 Year)				
17. Proposed Production/year	23060 m <sup>3</sup>				
18. Sanctioned Period of Mine lease	20 years				
19. Production of mine/day	77 m <sup>3</sup>				
20. Method of Mining	Opencast semi- mechanized				
21. No. of working days	300				
22. Working hours/day	8 hrs				
23. No. of workers	20				
24. No. of vehicles movement/day	10				
25. Type of Land	Govt./Non Forest Land				
26. Depth of Mining	12 m				
27. Nearest metalled road from site	0.540 Km				
28. Water Requirement	PURPOSE		REQUIREMENT (KLD)		
	Drinking		0.20KLD @ 10 lpcd		
	Suppression of dust		6.5KLD @1.0 L for 1 sqm (2 time a day)		
	Plantation		0.241 KLD @ 5 lit/plant (241)		
	Total		6.941 KLD		
29. Name of QCI Accredited Consultant with QCI No, period of validity.	Paramarsh (Servicing Environment and Development) 118, 01 May 2021				
30. Any litigation pending against the project or land in any court	No				
31. Details of 500 m Cluster Map & certificate verified by Mining Officer	Letter No-287/30-MMC/(2018-19)                      dated 21.05.2019				
32. Details of Lease Area in approved DSR	Page No- 3 Table No- 27				
33. Proposed CER cost	Project cost –62.5 lacs/annum CER – 1.25 lacs (2% of Total Cost)				
34. Proposed EMP cost	Capital Cost- 2,41,000 Recurring cost- 5,76,00				
35. Length and breadth of Haul Road	0.540 km and 6m				
36. No. of trees to be planted	241				

Rest all the other contents mentioned in terms of reference (TOR) letter no. 552/parya/SEAC/4892/2019 dated 20/01/2020 shall remain unchanged.

**(Dr. Virendra Misra)**  
Member

**(Dr. Pramod Kumar Mishra)**  
Member

**(Dr. Ranjeet Kumar Dalela)**  
Member

**(Shri Meraj Uddin)**  
Member

**(Dr. Ajoy Mandal)**  
Member

**(Shri Rajiv kumar)**  
Member

**(Dr. Sarita Sinha)**  
Member

**(Prof. S.K. Upadhyay,)**  
Member

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

**Annexure-1**

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

**A. General Conditions:**

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

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

**B. Specific Conditions:**

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

form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.

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



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