

### **Minutes of 543<sup>rd</sup> SEAC Meeting Dated 03/06/2021**

The 543<sup>rd</sup> meeting of SEAC was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 03/06/2021. Following members were participate in the online meeting:

- |    |                           |             |
|----|---------------------------|-------------|
| 1. | Dr. Sarita Sinha,         | Chairperson |
| 2. | Dr. Virendra Misra,       | Member      |
| 3. | Dr. Pramod Kumar Mishra,  | Member      |
| 4. | Dr. Ranjeet Kumar Dalela, | Member      |
| 5. | Dr. Ajoy Kumar Mandal,    | Member      |
| 6. | Shri Rajive Kumar,        | Member      |
| 7. | Shri Meraj Uddin,         | Member      |

The Chairman welcomed the members to the 543<sup>rd</sup> SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

1. **Expansion of Existing Integrated Paints & Resins Emulsions Manufacturing Plant at UPSIDC, Village-Kasna, Taluka Dankaur, Gautam Buddha Nagar, U.P. Shri Anjum Perwez. File No. 6251/Proposal No. SIA/UP/IND2/62144/2021**

#### **RESOLUTION AGAINST AGENDA NO-01**

A presentation was made by the project proponent along with their consultant M/s Kadam Environmental Consultants. The committee discussed the matter and directed the project proponent to submit following information:

1. Since the NOC for the extraction of water is expired on 30/10/2020 and the plant till now is operational, the use of ground water after the validity period should be explained. Further, permission from CGWB for extraction of ground water is to be submitted.
2. Details of ETP for increase in capacity.
3. Revised water balance diagram.
4. Occupational health plan.
5. Details of soft and hard green area.
6. Additional mitigation measures to reduce air pollution within prescribed limit.
7. Revised waste water generation details.
8. PP/consultant should submit the monitoring report of ground water quality of peizometric wells (observation wells) around the solvent storage areas and solid waste storage areas as mentioned in the compliance condition of earlier EC.

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

2. **Residential Township "ORO Estate" at Khasra No.-267, 268 & 269 of Village- Kabirpur and Khasra No.-783, 804, 805, 806, 807, 834, 836, 837, 838, 843 and 844 of Village-Kasimpur Biruha, Tehsil-Mohanlalganj, Lucknow., Shri Dinesh Kumar, M/s Oro Constructions Pvt. Ltd. File No. 6239/Proposal No. SIA/UP/MIS/203948/2021**

**RESOLUTION AGAINST AGENDA NO-02**

The project proponent/consultant did not appear in the meeting nor circulate the documents to the members of SEAC on time. Hence, the committee directed to defer the matter. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

3. **Group Housing Project "Rajvansh Residency" at Khasra No.- 1578, Gram- Aurangabad Khalsa, Ward- Raja Bijali Pasi, Lucknow, U.P., Shri RavindraNath Singh. File No. 6259/Proposal No. SIA/UP/MIS/206515/2021**

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

1. The Environment clearance is sought for Group Housing Project "Rajvansh Residency" at Khasra No. 1578, Gram- Aurangabad Khalsa, Ward- Raja Bijali Pasi, Lucknow, U.P.
2. Salient features of the project:

Plot area	15188.18 m <sup>2</sup>
Ground Coverage	4054.97 m <sup>2</sup>
Built-up Area	33299.30 m <sup>2</sup>
Green Area	2665.05 m <sup>2</sup>
Total Expected Population	2330 persons
Electric Load	11 KV Network
Source of water supply	01 no. bore well
Total Consumption of Water	131.08 KLD
Total MSW generated	994.5 Kg/Day
Total Transit Centers	01 no.
Proposed rainwater harvesting pits	3 no.
STP capacity	240 KLD
Total Project Cost	43.39 Crore

3. Land use details:

S. No.	Particulars	Area (m <sup>2</sup> )	%age
1	Ground coverage	4054	26.69
2	Road Area	6128.16	40.35
4 A	Green Area (Soft scaping)	2278.22	15.00
4 B	Green Area (Hard scaping)	387.03	2.55
5	Parking Area	2340	15.41
Total Plot area		15188.18	100

4. Parking details:

1. Stilt Floor Parking	
Block A	39 ECS
Block B	26 ECS
Block C	53 ECS
EWS/LIG	3 ECS
2. Open Surface parking	

3. Basement Parking	
Block A	37 ECS
Block C	55 ECS
Two Wheeler Parking (160 m <sup>2</sup> /32)	5 ECS
Parking Provided on Basement	97 ECS
4. Total Parking Provided	315 ECS
Total Two Wheeler Parking provided	109 m <sup>2</sup>

**5. Water requirement details:**

S.no.	Water Use	Population	Per Capita in (LPCD)	Water Requirement (KLD)	Waste Water Generation (KLD)
1.	Residents	1280	86	110.08	88.06
2.	Service Staff + Commercial Staff	50	45	2.25	1.8
3.	Visitors	1000	15	15	12
TOTAL DOMESTIC WATER REQUIREMENT				127.33	101.86
5.	Gardening/Landscape Area	2665.05	1 l/m <sup>2</sup>	2.66	Nil
6.	D.G. Set	01x200 KVA 01x100 KVA	0.91/KVA/4hr	1.09	Nil
TOTAL WATER REQUIREMENT				131.08	101.86

6. Total municipal solid waste generation is 994.5 Kg/day.

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

**RESOLUTION AGAINST AGENDA NO-03**

**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. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti smog guns shall be installed to reduce dust during excavation.
2. 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. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. 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.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
14. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
15. The project proponent 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.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
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.

**4. Proposed Hospital Project at F-16, Sector-50, Noida, District- Gautam Buddha Nagar, U.P., Shri Manoj Kumar Shukla, M/s Global Health Pvt. Ltd. File No. 6261/Proposal No. SIA/UP/MIS/205044/2021**

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

1. The Environment clearance is sought for Proposed Hospital Project at F-16, Sector-50, Noida, District- Gautam Buddha Nagar, U.P., M/s Global Health Pvt. Ltd.
2. Salient features of the project:

Description	Details
Plot area	15,204.43 sq.m. (3.76 acres)
Total Ground coverage	4,529.90 sq.m
Total built up area	72,873.28 sq.m.
Max. Height of Building	65 m
Population	Patient bed : 488; Staff & Employee : 976; Visitors : 976; OPD Room Patients/ Visitors : 1860; Consulting room patients/ Visitors : 1620; Security, Maintenance & Other Staff : 60; Total : 5980
Fresh Water requirement	308 KLD
Total Water requirement	628 KLD
Source of water supply	Development Authority

Waste Water generation	355 KLD
STP capacity	330 KLD (2 modules)
ETP capacity	30 KLD
Rainwater harvesting pits	5 nos.
MSW generation	0.7 Tonnes per day
Bio-medical waste generation	0.49 Tonnes per day
E-waste generation	0.17 Tonnes per annum
Power Requirement	3.15 MVA
Source of Power	Uttar Pradesh Power Corporation Limited
D.G. Set Capacity	3x910 KVA (in case of power failure)
Parking provided	Surface : 86; Basement 2 : 193; Basement 3 : 478 (Stack Parking); Total : 757
Total Project Cost	Rs. 220 crore

**3. Land use details:**

Sl. No.	Description	Area (Sq.m)	%
1.	Ground Coverage	4529.90	29.79
2.	Green Cover	2313.17	15.21
3.	Road Area	4264.80	28.05
4.	Open Area	1794.77	11.80
5.	Surface Parking	1237.95	8.14
6.	Service area	1063.84	7.00
	Total	15204.43	100

**4. Water requirement details:**

Particulars	Population	Total Fresh Water		Treated Waste Water for flushing		Total Water		Waste water Generation, litres
		lpcd	Total, litres	lpcd	Total, litres	lpcd	Total, litres	@ 80% of fresh water & 100% of flush water
Patient Beds	488	300	146,400	150	73,200	450	219,600	190,320
Staff & Employees	976	25	24,400	20	19,520	45	43,920	39,040
Visitors	976	5	4,880	10	9,760	15	14,640	13,664
OPD Room Patients/Visitors	1860	10	18,600	5	9,300	15	27,900	24,180
Consulting Room Patients/Visitors	1620	10	16,200	5	8,100	15	24,300	21,060
Dialysis Room (30 Beds @250 Ltrs / 3 Cycle )	LS		23,000				23,000	18,400
Café / Kitchen / Pantry	LS		30,000			-	30,000	24,000
Drinking water RO requirement	LS		15,000				15,000	12,000
De-ionized water for medical uses	LS		13,000				13,000	10,400
Security & Maintenance & Other Staff	60	25	1,500	20	1,200	45	2,700	2,400
Filter backwash / RO Rejected	LS		15,000				15,000	
Total	5980		307,980		121,080		429,060	355,464
In KLD			307.98 Say 308		121.08 Say 121		429.06 Say 429	355.46 Say 355

Green Area requirement in KLD	2.31	
HVAC (KLD)	195	
Road Washing (KLD)	1.53	
Total (KLD)	628	

**5. Solid waste generation details:**

Category	Population	Waste generation /capita/day	Anticipated Solid waste (Kg/day)	Anticipated Solid waste (TPD)
Municipal Waste	5980	0.03 (visitors), 0.67 (patients), 0.23 (staff)	699	0.70
Bio-medical waste	488	1	488	0.49
E-waste (488 beds)	488	0.35 kg /year	169 kg/ year	0.17 TPA

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

**RESOLUTION AGAINST AGENDA NO-04**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposals alongwith general conditions as earlier prescribed by authority for construction project and following conditions:**

**Additional condition:**

1. Oxygen generation plant of adequate capacity must be installed in the hospital premises.
2. Baseline data from secondary sources.
3. CER should include purchase of ambulance and it should be the part of EMP.
4. Environmental monitoring programme and environmental monitoring cost is to be submitted.

**Specific Conditions:**

1. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
2. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and industrial effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
3. 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.
4. Parking space for ambulances shall be exclusively earmarked.
5. Police post shall be provided near emergency.
6. Dedicated power supply to be installed in Operation Theaters and other critical areas
7. Accommodation for attendants to be provided near indoor nursing wards.
8. 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.
9. 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.
10. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
11. 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).

12. 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.
13. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
14. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.
15. 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 and First Aid Room etc.
16. 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.
17. 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.
18. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
19. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
20. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
21. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
22. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
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. 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.
25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
26. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
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.



**5. Jaypee International Sports in Sector-25, along Yumuna Expressway in YEIDA, Gautam Buddha Nagar, U.P. File No. 6147/Proposal No. SIA/UP/MIS/203337/2021**

The committee noted that the standard terms of reference for the above proposal was issued through online portal on 08/02/2021 for the plot area 937.38 ha and Built-up area 15.40 million sqm respectively.

The project proponent vide letter dated 18/03/2021 and online application dated 19/03/2021 informed that during the filing of online application due to typographical error the plot area of the project mentioned as 937.38 ha instead of 1000 ha. The project proponent requested to correct the plot area of the project in terms of reference letter dated 08/02/2021.

**RESOLUTION AGAINST AGENDA NO-05**

The committee went through the file and revised documents (form-1 & 1A) submitted by the project proponent and observed that the corrected plot area of the project is 1000 ha. Hence, the committee recommended to amend the terms of reference letter dated 08/02/2021. The committee also directed the project proponent that all the contents mentioned in terms of reference letter dated 08/02/2021 shall remain the same.

**6. Multi Modal Logistics Hub at Village-Dadri, Kathera, Pali, Palla, Chitehra, Tehsil- Dadri, Gautam Buddha Nagar., M/s DMIC Integrated Industrial Township Ltd. File No. 5995/Proposal No. SIA/UP/MIS/204693/2021**

The committee noted that the terms of reference (TOR) for the above proposal was issued by SEIAA, U.P. vide letter no. 828/Parya/SEIAA/5995/2020 dated 19/03/2021 for the Plot area 305 ha and Built-up area 10,38,697.90 sqm for the name of " Multi Modal Logistics Hub at Village-Dadri, Kathera, Pali, Palla, Chitehra, Tehsil-Dadri, Gautam Budha Nagar., M/s Integrated Industrial Township Ltd.".

The project proponent vide letter dated 10/02/2021 and online application dated 19/03/2021 informed that the name of company has been changed from M/s Integrated Industrial Township Ltd. to DMIC Integrated Industrial Township Greater Noida Ltd. The project proponent submitted the name change certificate from M/s Integrated Industrial Township Ltd. to DMIC Integrated Industrial Township Greater Noida Ltd. issued by Ministry of Corporate Affairs, Govt. of India and other necessary documents and requested to amend the terms of reference letter dated 19/03/2021.

**RESOLUTION AGAINST AGENDA NO-06**

The committee went through the file and revised documents submitted by the project proponent and recommended to change the name of the company from M/s Integrated Industrial Township Ltd. to DMIC Integrated Industrial Township Greater Noida Ltd. in terms of reference letter dated 19/03/2021. The committee also directed the project proponent that all the contents mentioned in terms of reference letter dated 19/03/2021 shall remain the same.

**7. Expansion of Residential Township "Crossing Republik" at Village-Dundahera, NH-24, Bypass, Ghaziabad., M/s Crossings Infrastructure Pvt. Ltd. File No. 1608/Proposal No. SIA/UP/MIS/206414/2021**

The committee noted that the environmental clearance for the above proposal was issued by SEIAA, U.P. vide letter no. 2099/Parya/SEAC/1608/2016/TA(J) dated 12/10/2013 for plot area 12,68,011 m<sup>2</sup> and built up area 57,74,443.9 m<sup>2</sup>. The validity of Environment clearance letter dated 12/10/2013 expired on 11/10/2020. The project proponent applied for extension of validity on 26/03/2021 as per MoEF&CC notification no. S.O. 4254(E) dated 27<sup>th</sup> November, 2020.

**RESOLUTION AGAINST AGENDA NO-07**

The committee discussed the matter and recommended to extend the validity of Environmental Clearance letter dated 12/10/2013 for the period of 03 years i.e. 12/10/2020 to 11/10/2023. All the contents mentioned in Environmental Clearance letter no. 2099/Parya/SEAC/1608/2016/TA(J) dated 12/10/2013 shall remain the same.

**8. Expansion of Existing Residential Complex within existing Premises at Plot GH-08A, Tech Zone-IV, Greater Noida., M/s Habitech Infrastructure Pvt. Ltd. File No. 1551/Proposal No. SIA/UP/MIS/207665/2021**

**RESOLUTION AGAINST AGENDA NO-08**

A presentation was made by project proponent along with their consultant M/s JM Enviro Net Pvt. Ltd. The project proponent informed that the built-up area of the project is increased from 2,50,848.82 sqm to 3,25,425.11 sqm and they have applied the application under "amendment in environmental clearance" through online portal.

The committee discussed the matter and observed that the built-up area of the project is increased from 2,50,848.82 sqm to 3,25,425.11 sqm and project proposal does not come under the "amendment in environmental clearance" category. The committee directed the project proponent to submit online TOR application under the expansion proposal.

The committee also directed the Secretariat to close the above amendment application submitted by the project proponent.

**9. Establish a New 100 KLD (RS/ENA/AA), molasses based distillery along with 4.0 mw Of Co-Generation Power Plant at Village- Dhada Bujurg, Tehsil- Hata, District-Kushinagar., Shri Karan Singh, M/s Avadh Sugar & Energy Ltd. File No. 5509/Proposal No. SIA/UP/IND2/50862/2020**

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

1. The Environmental clearance is sought for Establishment of 100 KLD (RS/ENA/Ethanol) Molasses based Distillery along with 4.0 MW of Co-Generation of Power at Village: Dhaddha Bujurg, Tehsil: Hata, District: Kushinagar (U.P.) by M/s Avadh Sugar & Energy Limited (Distillery Unit).
2. Standard Terms of Reference in the matter were issued by SEIAA, UP vide letter no. 174/Parya/SEAC/5509/2018, Dated 30<sup>th</sup> June 2020.

3. Public Hearing was conducted at project site on 17<sup>th</sup> March, 2021 and Final EIA report submitted by the project proponent on 13<sup>th</sup> April, 2021.

4. Salient features of the project:

Sr. No.	Item	Details
1	Name of the Project	M/s Avadh Sugar & Energy Limited (Distillery Unit) Village: DhadaBujurg, Tehsil: Hata, District: Kushinagar (U.P.).
2	Capacity of Distillery	100 KLD (Rectified Spirit/Extra Neutral Alcohol/Absolute Alcohol)
3	Power Generation	4.0 MW Co- Generation of Power
4	Category	Category "B" and Schedule - 5 (g)

5. Project Summary:

Sr. No.	Attributes	Details
1	Proposed capacity of Plant	Proposed to establish a 100 KLD (Ethanol Plant), molasses based distillery along with 4.0 MW of Co- Generation Power Plant.
2	Proposed Project Location	Khasra no. 49, 50, 51, 55, 56, 57, 58, 60,61, 62, 63,64, 65, 66, 67, 69, 71, 194, 196, 198, 201,203, 204,205, 206, 56, 58, 67, 68, 70, 75, 76, 77,193, 194, 195,196, 199, 200, 202, 207, 208, 265,266, 267, 268, 269,273, 274, 276, 282, at Village: DhadhaBujurg, Tehsil: Hata, District: Kushinagar (U.P.).
3	Total project cost	Rs152.3 Crores
4	Total project area and Green Belt development	Total Land for Proposed Distillery: 17.62 Hectares (33% of the project area will be covered under green belt area5.8 Hectares).
5	Category of Project	Category : B and Schedule : 5 (g)
6	Process Involve	Molasses Dilution, Fermentation & Distillation
7	No of Working Days	365 Days/ Annum
8	Raw material and its Quantity	Molasses: 450 TPD (30 8KLD)
9	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol Quantity : 100 KLD
10	Co gen power generation	4.0 MW Co-gen Power.
11	Fresh Water Requirement (Industrial)	Industrial: 1000 KLD (@ 10 KL/KL of product) (Net fresh water requirement after recycling) Domestic: 20 KLD
12	Power requirement	2.25 MW <b>Source:</b> Co Generation Power Plant : 4.0 MW (In House)
13	Fuel and its quantity	Slop : 280 KLD Bagasse: 105.60 TPD
14	Steam requirement	23 TPH
15	Number of boiler proposed	1 No. 35 TPH slop fired boiler
16	Air Pollution Control Device	ESP shall be installed with 35 TPH Boiler alongwith stack of 78 meter height.
17	Waste Water Generation	Spent Wash: 800 KLD @ 8.0 KL/KL of Product Other Effluents: 834 KLD.
18	Waste Water treatment	<b>For Spent wash:</b> MEE followed by Incineration (Slop fired Boiler) Effluent in the form of spent wash will be 800KLD.It will be concentrated in Multi effect evaporation and then concentrate from MEE will be incinerated in Incineration boiler as a fuel along with bagasse. <b>For Other effluent:</b> Condensate Polishing Plant (CPU)shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs)and 100%treatedeffluent shall be recycled in the process.

		<b>For Domestic Waste Water:</b> STP will be installed.
19	Waste Water Discharge	Unit is based on Zero Liquid Discharge
20	Solid Waste Generation	<b>Total Ash:</b> 40 MT/Day, will be utilized as manure due to high organic and potash content. <b>Fermenter Sludge:</b> 10 MT/Day, will be used as manure along with ash.
21	Cost towards Environmental Protection measures (capital cost)	Rs. 60 Crores
22	Recurring cost towards Environmental control measures	Rs. 1.0 Crores/annum
23	Cost towards Corporate Social Responsibility(CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR129 (E).

**6. Land use breakup:**

Sr. No.	Particulars	Area (Hectares)
1	Main plant, machinery & utilities	6.17
2	Raw material & product storages	1.76
3	Roads & open area	2.47
4	Admin office	1.40
5	Total greenbelt development and plantation	5.82
		17.62 Hectare

**7. Raw material required with daily consumption and transport:**

Sr. No.	Particulars	Total Requirement (TPD)	Storage	Source & Mode of Transportation	Distance from project site
1.	Molasses	450 MT/Day	Tanks of storage capacity 2x15000tonnes	From captive through pipelines & nearby sugar mills by road in tankers	200 m (for Captive Transfer) Or Upto 150 kms from nearby Sugar Mills
2.	Other Chemicals				
	Caustic soda	0.2 – 0.3	Packed in 50 kg Bags & stored in Go down	Near-by markets by road	500-750 kms
	Nutrients	0.3			
	Enzyme	0.06	Packed in Cans &stored in Go-down		
	Antifoam Agent	0.22			
	Yeast (Active Dry Yeast/Distiller’s Yeast)	Own Propagation	-		

**8. Plant and machinery:**

- i. 100 KLD Ethanol plant with integrated evaporator and alcohol storage system, MEE
- ii. 35 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (ESP)
- iii. Ash handling system,
- iv. Fuel handling system
- v. Turbo generator & condenser with arrangement for the export of surplus power
- vi. Power distribution system
- vii. Cooling towers
- viii. Plant piping, valves etc
- ix. Pumps with drive motors

- x. Condensate Polishing unit
- xi. Distributed control system
- xii. Firefighting system etc.
- xiii. Molasses storage tanks
- xiv. Product storage tanks
- xv. Weighbridges
- xvi. RCC Chimney and various other concerning units.

9. Water requirement details:

Water Requirement		
1	Industry Use	1000 KLD(@ 10.0 KL/ KL of product)
2	Domestic Use	20 KLD
3	Total Water Requirement	1020 KLD
Source: Ground water (from Tube well)		

10. Waste water generation:

1	Waste Water Generation	Spent Wash: 800 KLD (@ 8.0 KL/KL of Product) Other Effluents: 834 KLD
2	Treatment Technology	For Spent wash: MEE followed by Incineration (Slop fired Boiler) Effluent in the form of spent wash will be 800 KLD. It will be concentrated in Multi effect evaporation and then concentrate from MEE will be incinerated in Incineration boiler as a fuel along with bagasse.  For Other effluent: Condensate Polishing Plant (CPU) shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs) and 100% treated effluent shall be recycled in the process.  For Domestic Waste Water: STP will be installed

11. The project proposal falls under Category “B” and Schedule - 5 (g) 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 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 :-
  - iii. Metering and control of quantities of active ingredients to minimize waste .
  - iv. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - v. Use of automated filling to minimize spillage.
  - vi. Use of Close Feed system into batch reactors.
  - vii. Venting equipment through vapour recovery system.
  - viii. 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 I conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
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.

**10. Expansion/ Modernization of existing Sugar Unit: Sugar Plant from 7000 TCD to 9000 TCD, at Village- Dhandha Bujurg, Post- Sukrauli, Tehsil- Hata, Kushinagar, U.P., M/s Avadh Sugar & Energy Ltd., New India Sugar Mills, Hata. File No. 5564/Proposal No. SIA/UP/IND2/51814/2020**

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

1. The Environmental clearance is sought for Expansion/ Modernization of existing Sugar Unit from 7000 TCD to 9000 TCD at Village: Dhandha Bujurg, Post: Sukrauli, Tehsil: Hata, District: Kushinagar (Uttar Pradesh) by M/s Avadh Sugar & Energy Limited, New India Sugar Mills, Hata.
2. Standard Terms of Reference in the matter were issued by SEIAAUP via ref no. 197/Parya/SEAC/5564/2018 Dated 08<sup>th</sup> July 2020.
3. Public Hearing was conducted at project site on 17<sup>th</sup> March, 2021 and final EIA report submitted by the project proponent on 13<sup>th</sup> April, 2021.
4. Project Summary:

Sr. No.	Unit	Capacity		
		Existing	Expansion	Total
1	Sugar	7000 TCD	2000 TCD	9000 TCD
2	Co-gen Power Plant	33.0 MW	No change	33.0 MW

5. Salient features of the project:

Sr. No.	Attributes		Details		
1	Proposed capacity of Plant		Expansion/ Modernization of existing Sugar Unitfrom 7000 TCD to 9000 TCD		
2	Total Project area		The proposed expansion will be done in existing sugar unit area of 32.94 hectare No additional land will be required for the proposed expansion.		
3	Green Belt Development		Approx. 33 % of total area (10.87 Hectare)		
4	No. of Working days		240 Days/Annum		
5	Product after expansion				
	Sugar		White Crystal Sugar: 900 MT/Day		
	Co-gen Power		33.0 MW (No change) (Existing)		
6	Quantity of Raw Material		Existing	Expansion	Total
	Sugar Cane Crushing		7000 TCD	2000 TCD	9000 TCD
7	By Product after expansion		Quantity		Uses
	a.	Bagasse	Bagasse : 2409 TPD (26.77 % of cane crushed)		Shall be used as fuel in boiler within premises.
	b.	Molasses	4 – 4.5 % of cane crushed		Will be as raw material in adjacent distillery unit
	c.	Press Mud	Press-mud : 405 TPD (4.5% of cane crushed)		Will be utilized as manure due to high
8	Power requirement after expansion		24 MW for 9,000 TCD Sugar plant Source: Co-generation Power Plant (33 MW) (In-house)		
9	Steam Requirement		After proposed expansion : 170 TPH		
10	No. of Boilers		Existing: 100 TPH Boiler (existing) 120TPH Boiler (existing)		
			In Expansion: NO NEW BOILER IS PROPOSED.		

11	Air pollution control device (existing)	ESP already installed along with stack height 72 meter. The emissions of particulate matters from the stacks is limited to 150 mg/Nm <sup>3</sup> .
12	Fresh Water requirement	Existing Details (For 9000 TCD) Industrial: 1485 KLD (@ 0.165 KL/ T of Cane crushed) (Net fresh water requirement after recycling) Domestic: 100 KLD Total Water Requirement: 1585 KL
13	Waste water generation	Effluent: 1728 KLD
14	Waste water treatment	For Industrial Effluent: Existing ETP will be modified for 9000 TCD cane crushing plant
15	Waste Water discharge	Industry shall comply with latest norms/ standards as per the notification issued by MOEF&CC vide its GO. No. GSR-35 (E) dated 14.01.2016 related to the Sugar Industries.
16	Total Project cost for expansion	Rs. 1905.29 Lakhs (Estimated for proposed expansion)
17	Cost towards Environmental protection measures (Capital cost) for proposed expansion	Approx. Rs 208 lacs
18	Recurring cost towards Environmental control measures.	Approx. 50 Lacs per annum
19	CSR Expenses	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).

**6. Land use details:**

Sr. No.	Land Use	Area (Hectares)	Area in Percentage
1	Roof Top (Building, Covered Shed)	7.90	24%
2	Green Belt	10.87	33%
3	Road and Paved	5.60	17%
4	Open Area	8.57	26%
Grand Total		32.94	100%

**7. Raw material required with daily consumption and transport:**

Sr. No.	Particulars	Quantity	Source of the raw material & mode of transportations
1.	Sugar Cane	9000 TPD	From reserve area by tractor trolley/trucks
Chemical (T/day)			
2.	Lime	16.95 T	Will be sourced from local market and transported by trucks.
3.	Sulphur	5.52 T	Will be sourced from local market and transported by trucks.
4.	Caustic Soda	0.2297 T	Will be purchased from Caustic Soda Manufacturers and will be transported by trucks.

**8. Water Requirement details:**

Sr. No.	Particulars	Fresh Water Requirement	Source
1.	Industrial	1485 KLD	Ground Water through Tube-well
2.	Domestic water requirement	100 KLD	

**9. Waste Water generation and Treatment:**

1.	Waste water	Total after proposed expansion: 1728 KLD (@0.192 Kl/MT of cane crushed)
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2.	Treatment Technology (for Sugar Unit)	Effluent from manufacturing process shall be treated in ETP (based on activated sludge process) along with anaerobic unit.
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10. The project proposal falls under Sugar industry  $\geq 5000$  TCD cane crushing capacity categorized under Category “B” of Schedule 5(j) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-10**

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

**I. Statutory compliance:**

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

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

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- II. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- III. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and

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

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

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

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

### **IV. Noise monitoring and prevention**

- I. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- II. The overall noise levels in and around the plant area shall be kept well within the

standards by providing noise control measures including acoustic hoods, silencers , enclosures etc. on all sources of noise generation.

- III. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

**V. Energy Conservation measures**

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

**VI. Waste management**

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

**VII. Green Belt**

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

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

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- IV. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- V. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- VI. There shall be adequate space inside the plant premises earmarked for parking of

vehicles for raw materials and finished products, and no parking to be allowed outside on public places

**IX. Corporate Environment Responsibility**

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

**X. Miscellaneous**

- I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- IV. The project proponent shall monitor the criteria pollutants level namely; 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.

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



**11. Expansion of existing molasses based distillery from 100 KLD to 160 KLD (RS/ENA/Ethanol) along with cogeneration of power: 8 MW at Village- Surjipara Hargaon, Sitapur, U.P., Shri Rakesh Tyagi, M/s Avadh Sugar & Energy Ltd., (Hargaon Distillery). File No. 6295/Proposal No. SIA/UP/IND2/210774/2021**

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

1. The Environmental clearance is sought for Expansion of existing molasses based distillery from 100 KLD to 160 KLD (RS/ENA/Ethanol) along with cogeneration of power: 8.0 MW at Village: Surjipara, Hargaon, District: Sitapur, U.P., M/s Avadh Sugar & Energy Limited, (Hargaon Distillery).
2. Grant of Environmental clearance for expansion of distillery unit for production of Ethanol intended for EBP under the provisions of Office Memorandum F. No. 22-23/2019-IA.III dated 28<sup>th</sup> January 2021, S.O. 345(E) dated the 17<sup>th</sup> January, 2019 as category B-2.
3. Project Summary:

Sr. No.	Product	Capacity		
		Existing	Expansion	Total
1.	RS/ENA/Ethanol	100 KLD	60 KLD	160 KLD
2.	Co-Gen Power Plant	-		8.0 MW

**4. Salient features of the project:**

Sr. No.	Attributes	Details
1.	Total Project Area	50 Acre (No additional land required)
2.	Green belt area	Unit will now develop and maintain 35% of total area as green belt (17.5 Acre)
3.	No. of working days	360 days per annum
4.	Total Project Cost	90 Crores
5.	Quantity of Molasses	720 KLD (@ 4.5 KL/KL of product)
6.	Steam Requirement	40 TPH
7.	Water Requirement	900 KLD@5.6 KL/KL of Alcohol for industrial use, and 20 KLD for domestic purposes. Total water requirement: 920 KLD.
8.	Spent wash generation	1280 KLD @ 8 KL/KL of product
9.	Waste Water Treatment	<u>For Spent Wash Treatment:</u> MEE+ Incineration (Slop fired Boiler) <u>For Other Effluent</u> (Condensate, Leese, Floor washing, Blow downs)condensate treatment unit shall be installed up to tertiary level to achieve the ZERO DISCHARGE.
10.	Solid Waste Generation Ash from Boiler Use:	Total Ash Generated: 88 TPD Fermenter sludge: 10.0 TPD  Use: Total Ash & sludge shall be used as manure.
11.	Cost towards Environmental Protection measures	Rs. 4900.00 lakhs

	(Capital cost)	
12.	Recurring cost towards Environmental control measures.	Rs:50.00Lakhs/Annum
13.	Corporate Social Responsibility	2% of total annual Profit as per the CSR Act(By Ministry of corporate affairs) Notification GSR129(E).

**5. Land use details:**

Sr.No.	Land Use	Area in Acre	Area in Percentage
1.	Roof Top(Building, Covered Shed)	19.0	38 %
2.	Green Belt	17.5	35 %
3.	Road and Paved	4.0	8 %
4.	Open Area	9.5	19 %
Grand Total		50.0	100 %

**6. Raw material required with daily consumption and transport:**

Sr. No.	Particulars	Total after expansion (@ 160 KLD distillery capacity)	Source of the raw material & mode of transportations
1.	Molasses	720 KLD (@4.5 KL/KL of product)	From own sugar units via tankers

**7. Plant and machinery will be expanded upto 160 KLD capacity.**

**8. Water requirement details:**

Sr.No.	Particulars	Water requirement	Source
1	Industrial	900 KLD @ 5.6 KL/KL of Alcohol	Ground Water through Tubewell
2	Domestic water requirement	20 KLD	
3	Total water requirement:	920 KLD	

**9. Waste water generation and treatment system:**

Sr. No.	Particulars	Total after expansion
1	Spent Wash	1280 KLD @ 8 KL/KL of product
2	Treatment Technology (for Sugar Unit)	For Spent Wash Treatment: MEE + Incineration (Slop fired Boiler) For Other Effluent (Condensate, Leese , Floor washing , Blow downs) condensate treatment unit shall be installed upto tertiary level to achieve the ZERO DISCHARGE.

10. The project proposal falls under Category “B” and Schedule - 5 (g) of EIA Notification, 2006 (as amended on date 17<sup>th</sup> January, 2019 vide S.O. 345 “E”).

**RESOLUTION AGAINST AGENDA NO-11**

**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:**

- 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
- The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- The project proponent shall obtain clearance from the National Board for Wildlife, if

applicable.

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 :-
  - ix. Metering and control of quantities of active ingredients to minimize waste .
  - x. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - xi. Use of automated filling to minimize spillage.
  - xii. Use of Close Feed system into batch reactors.
  - xiii. Venting equipment through vapour recovery system.

- xiv. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**VII. Green Belt:**

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

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

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

**IX. Corporate Environment Responsibility:**

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

**X. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, 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.

**12. Office of Central Excise Commissionerate & Audit-II Commissionerate Building at Kamla Nehru Nagar, Ghaziabad., Shri Birendra Kumar Mishra. File No. 6286/Proposal No. SIA/UP/MIS/209315/2021**

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

1. The Environmental clearance is sought for Office of Central Excise Commissionerate & Audit-II Commissionerate Building at Kamla Nehru Nagar, Ghaziabad, U.P. M/s Additional Commissioner, Central Goods & Services Tax, Ghaziabad.
2. The plot area is 8959.03 m<sup>2</sup> whereas built-up area will be 28580.61 m<sup>2</sup>.
3. Maximum no of floors is 2B + G + 7. Expected population will be 2118 persons (14 fix & 2104 floating population)
4. Estimated cost of project is Rs. 116.42 Crores.
5. Salient features of the project:

Sl. No.	Description	Quantity	Unit
GENERAL			
1	Plot Area	8959.04	SQMT
2	Proposed Built Up Area	28580.61	SQMT
3	Max Height of Building (Upto Terrace)	33.6	M
4	Max No of Floors	2B+G+7	No.
5	Expected Population (Fix 14+2104 Floating)	2118	No.
6	Cost of Project	116.42	CR
7	Proj Activity : Govt Office - Central Excise/GST		
AREAS			
8	Permissible Ground Coverage Area (45%)	4030.83	SQMT
9	Proposed Ground Coverage Area (31.45 %)	2852.62	SQMT
10	Permissible FAR Area (200)	17914.80	SQMT
11	Proposed FAR Area (190.8)	17095.15	SQMT
12	Non FAR areas -Basements, Mumty Machine Rm, Guard Rm. etc.	11485	SQMT
13	Proposed Total Built Up Area	28580.61	SQMT
WATER			
14	Total Water Requirement	154	KLD
15	Fresh water requirement (Water Supply agency of GDA)	53	KLD
16	Treated Water Requirement	101	KLD
17	Waste water Generation	84	KLD
18	Proposed Capacity of STP	100	KLD
19	Treated Water Available for Reuse	76	KLD
20	Treated Water Recycled	101	KLD

21	Discharge to Municipal Sewer	Zero	KLD
22	Additional Treated Water Requirement	25	KLD
<b>RAIN WATER HARVESTING</b>			
23	No of RWH of Pits Proposed	2	No.
<b>PARKING</b>			
24	Total Parking Required as / Building Bye Laws	342	ECS
25	Proposed Total Parking	342	ECS
26	Parking on Surface	53	ECS
27	Parking in Basements	289	ECS
<b>GREEN AREA</b>			
28	Required Green Area (15% of Plot area)	1343.85	SQMT
29	Proposed Green Area (17.71% of plot area)	1587	SQMT
<b>WASTE</b>			
30	Total Solid Waste Generation	0.46	TPD
31	Organic waste	0.22	TPD
32	Quantity of Hazardous waste Generation	1.21	LPD
33	Quantity of Sludge Generated from STP	8	KG/DAY
<b>ENERGY</b>			
34	Total Power Requirement (Source : UPPCL)	1161	KW
35	DG set backup	1820	KVA
36	DG sets Proposed	1X320+2X750	KVA
37	No of DG Sets	3	No.

**6. Parking details:**

S. No.	Parking Details	Parking
1	Total Parking Required as / Building Bye Laws	342 ECS
2	Proposed Total Parking	342 ECS
3	Parking on Surface	53 ECS
4	Parking in Basements	289 ECS

**7. Solid waste generation details:**

Waste Category	Quantity	Unit
Total Solid Waste Generation	0.46	TPD
Organic waste	0.22	TPD
Quantity of Hazardous waste Generation	1.21	kg/Day
Quantity of Sludge Generated from STP	8	Ltrs/ Day

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

**RESOLUTION AGAINST AGENDA NO-12**

**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. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti smog guns shall be installed to reduce dust during excavation.
2. 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. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. 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.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
14. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
15. The project proponent 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.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
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.

**(Dr. Virendra Misra)**  
**Member**

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

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

**(Meraj Uddin)**  
**Member**

**(Dr. Ajoy Kumar Mandal)**  
**Member**

**(Rajive Kumar)**  
**Member**

**(Dr. Sarita Sinha)**  
**Chairperson**