

Minutes of 467th SEAC Meeting Dated 04/06/2020

The 467th meeting of SEAC was held through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) on 04/06/2020. Following members were participate in the online meeting:

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

The Chairman welcomed the members to the 467th SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

1. Residential Colony "R.S. City"-II at Jhansi-Gwalior Highway, Village- Ambabai, District-Jhansi, U.P. Shri Chandra Shekhar Agrawal. File No. 5133/Proposal No. SIA/UP/MIS/119639/2019

The committee noted that the matter was earlier discussed in 440th SEAC meeting dated 19/12/2019 and directed the project proponent to submit following information:

1. The total solid waste to be recalculated accordingly.
2. Plan for organic waste convertor.
3. Data of BOD & COD is to be revised.
4. STP capacity should be 20% more than the proposed capacity.

The project proponent submitted their replies vide letter dated 28/02/2020. Hence, the matter was listed in SEAC meeting dated 04/06/2020. A presentation was made by the project proponent along with their consultant M/s ENV DAS (India) Pvt. Ltd. The committee discussed the matter and observed is as follows:

1. The committee has gone through the journal entitled "International journal of current research" referred in this case to support the secondary data for water quality of Pahuj River. The committee found that the journal contains the data of water quality of Pahuj River for the months of January to May, 2011. The baseline data presented by project proponent/consultant is of the period of 15 September, 2019 to 15 December, 2019. Hence, the data of the journal (2011) cannot be used to support because the conditions in that year was different than 2019. The data of DO should be provided to check the value of BOD. Further the temperature is not mentioned with the data to check the impact of temperature of DO/BOD. Thus the reply submitted for the query no. 3 is not resolved.

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

2. Manufacturing of ICT components and modules for mobile phones & table "Electronic Industries" at Plot No.-A-3, Ecotech-VI, Greater Noida, Gautam Buddha Nagar, U.P., M/s KHVA TEC India Pvt. Ltd. File No. 5482/Proposal No. SIA/UP/MIS/132294/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Congnizance Research India Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. It seems to be the violation case hence, the project proponent/consultant is asked to submit the details chronology along with the construction status, approved maps and designs for consideration.
2. It is an expansion case, the title of the project is misleading and the term expansion is not mentioned. Further it is mentioned that the land has been transferred to KHVA Tec India Pvt. Ltd. Clarification in this regard is required.

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

3. "Integrated Township" at Gata No.- 731,732,729,737, 739, 568, Village Mangupura & Mehlakpur Mafi- District-Moradabad, U.P., M/s Chadha Infratech Pvt. Ltd. File No. 5610/4904/Proposal No. SIA/UP/MIS/50786/2019

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Greencindia Consulting Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for "Integrated Township" at Gata No.- 731,732,729,737, 739, 568, Village Mangupura & Mehlakpur Mafi- District-Moradabad, U.P., M/s Chadha Infratech Pvt. Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 266/Parya/SEAC/4904/2018 Dated 24 September, 2019.
3. EIA report submitted by the project proponent on 16/03/2020.
4. Salient features of the project:

Plot area	6,25,909.02m ² (62.59ha)
Area under Green	87814.91m ²
Area under Circulation	137683.8m ²
Total Expected Population	44192
Electric Load	40 MVA
Source of Water Supply	Ground Water
Total Water Demand	5295.75KLD (Fresh Water Requirement is 2836.40KLD)
Total MSW Generated	20.3 tons
STP Capacity	4532KLD
Total Project Cost	INR 36900 lakhs

5. Land use details:

S.no	Description	Area in m ²	Area in acre	%age to Total
1(a)	Total Plotted Area	205897.25	50.88	82.62
1(b)	Group Housing	32375.93	8.00	12.99
1(c)	EWS/LIG Area	10938.55	2.70	4.39
1	Residential Area	249211.73	61.68	42.89
2	Mixed Land use	17678.16	4.37	3.04
3	Commercial/Office	31132.28	7.69	5.36
4	Public & Semi-Public	58152.69	14.37	10.01
5	Green and Open Area	87814.92	21.54	15.01
6	Roads and Pathways	137683.8	34.02	23.7

Net Area for Development	581043.6	143.57	100.0
Area under Green Belt and Mazar	44865.41	11.09	-
Gross Area for Township	625909	232.29	

6. Water calculation details:

S.no	Usage Type	Unit	Population /Area	Standard Water Requirement in LPCD		Total Water Requirement in KLD		
				Fresh	Treated	Total	Fresh	Treated
1	Residential	per person	28482	90	45	3845.10	2563.40	1281.7
2	Floating Popn.	per person	4272	5	10	64.09	21.36	42.72
3	Commercial	10m ² per person	4175	22	23	187.88	91.85	96.03
4	Public-Semi Public	8m ² per person	7263	22	23	326.84	159.79	167.05
5	Parks and Gardens	Per m ²	87184.92	0	10	871.85	-	871.85
TOTAL WATER DEMAND IN KLD						5295.76	2836.40	2459.35

7. Waste water details:

S.no	Usage Type	Total Water Requirement in KLD			Total Water		
		Total	Fresh	Treated	Total	Fresh 80%	Treated 95%
1	Residential	3845.10	2563.40	1281.7	3268.34	2050.72	1217.62
2	Floating Popn.	64.09	21.36	42.72	57.68	17.09	40.59
3	Commercial	187.88	91.85	96.03	164.70	73.48	91.22
4	Public-Semi Public	326.84	159.79	167.05	286.53	127.83	158.70
5	Parks and Gardens	871.85	-	871.85	-	-	-
TOTAL WASTE WATER DEMAND IN KLD		5295.76	2836.40	2459.35	3777.24	2269.12	1508.12

8. Solid waste generation details:

Type of Waste	Colour of Bins	Category	Disposal Method	Total Waste (ton/ day)
Organics	Green	Bio-Degradable	Within Site	7.9
Paper	Blue	Recyclable	Approved Recycler	0.8
Textile	Blue	Recyclable	Approved Recycler	0.4
Plastic	Blue	Recyclable	Approved Recycler	0.8
Metals	Blue	Recyclable	Approved Recycler	0.2
Ash/Inert	Grey	Non-Biodegradable	Landfill Site	10.2
Total Quantity of Waste				20.3

9. The project falls under category 8(b) of EIA Notification dated 14th September, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

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

1. Solar energy to be used as alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.

2. Green area shall be compulsorily made available including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of the local district Forest Officer.
3. The wastewater generated should be treated properly in a scientific manner i.e. domestic waste water to be treated in STP.
4. The height, Construction built up area of proposed construction shall be in accordance with the FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before 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.
5. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
6. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
7. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
8. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
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 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.
12. 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.
13. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
14. Provision shall be made for the construction labour within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, and First Aid Room etc.
15. 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.
16. 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.
17. 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 the 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.
18. No parking shall be allowed outside the project boundary.
19. Digging of the basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with the 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 the natural drainage system of the area is protected and improved.

20. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment etc. as per National Building Code including measures from lighting.
 21. Disposal of muck during the construction phase should not create any adverse effect on the neighboring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
 22. The diesel generator sets to be used during the construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
 23. Ambient noise levels should conform to standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. Adequate measures should be made to reduce ambient air and noise level during the construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
 24. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for commercial 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.
 25. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 26. Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
 27. Rooftop water in the rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that wastewater and stormwater do not get mixed.
 28. All the internal drains are to be covered till the disposal point.
 29. 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.
 30. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.
4. **Revision and Expansion of Group Housing Project "Devika Gold Homz" at Plot No.- GH-06C, Sector-01, Greater Noida(West), U.P., M/s Devika Gold Homz Pvt. Ltd. File No. 5617/5046/Proposal No. SIA/UP/MIS/52465/2019**

RESOLUTION AGAINST AGENDA NO-04

The consultant/PP came for the presentation of EIA but during the presentation it was found that terms of reference for the above proposal are not issued by SEIAA, U.P. till date. Hence, the committee directed to defer the matter from the agenda.

5. **Group Housing Project "Vrinda City at Plot No. GH-2, Sector- PHI-04, Greater Noida, District-Gautam Buddha Nagar, U.P. M/S Central and State Employees Sahakari Awas Samiti Limited. File No. 5634/4351/Proposal No. SIA/UP/MIS/140192/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Geogreen Enviro House Pvt. Ltd. The

proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Group Housing Project "Vrinda City at Plot No. GH-2, Sector- PHI-04, Greater Noida, District-Gautam Buddha Nagar, U.P. M/s Central And state Employees Sahakari Awas Samiti Limited.
2. Terms of reference in the matter were granted by SEIAA, U.P. in its 284th meeting dated 24/05/2019 under the violation category.
3. EIA report submitted by the project proponent on 21/03/2020.
4. Area details of the project:

S.NO.	DESCRIPTION	AREA (SQ. M)	Percent
1..	Plot Area	31,824.00	100%
2.	Permissible FAR@1.50	47736.00	
	Permissible additional FAR@ 15%	7160.4	
	Total Permissible FAR	54896.4	
3.	Proposed Residential F.A.R. Area @1.49	45,255.92	
	Proposed 15% additional FAR	1851.92	
	Proposed community FAR	484.00	
	Total Proposed FAR Area	47591.84	
4.	Permissible Ground Coverage @ 30%	9547.2	
5.	Proposed Ground Coverage (@ 16.11 %)	5127.57	16.11%
	Residential	4548.57	
	Guard Room	24.00	
	Meter Room	21.00	
	ESS	50.00	
	Community Centre	484.00	
6.	NON F.A.R.	8662.7	
	Proposed Basement	8567.70	
	Guard Room	24.00	
	Meter Room	21.00	
	ESS	50.00	
7.	Total Built-up Area	56254.54	
8.	Open Area	26696.43	83.88%
	Landscape Plan (44.42% of the total plot area)	14137.51	44.42%
	Road/Paved Area	12558.93	39.46%
9.	No. of Towers	7 (4 twin + 3 single)	
10.	Height of the building	45.45 m	

5. Salient features of the project:

PROJECT FEATURES	DETAILS
Estimated Population	1925 persons
Current population residing in the project	907 persons
Total domestic water requirement	236 KLD
Estimated waste water generation and treatment	202 KLD (STP of 240 KLD, MBBR Technology)
Power Demand and Source Power Back-up	2228 kW ; Noida Power Company Ltd 4 no. of DG sets of total capacity of 1500 kVA (2*250 kVA+ 2*500 kVA) (3W + 1S).
Solid Waste Generation	846 kg/day
Parking Facilities Required/Provided	477 ECS and 598 ECS (as per MoEF&CC and Greater Noida Bye-Laws) 602 ECS
Total cost of the project	Rs. 78 cr.

6. Land use details:

Details	Area (m ²)	Percentage
Ground coverage for Residential	4548.57	14.29
Ground coverage for Meter Room	21.00	0.07

Ground coverage for Community Centre	484.00	1.52
Ground coverage for guard room	24.00	0.08
Ground coverage for ESS	50.00	0.15
Landscape	14137.51	44.42
Road / Paved Area	12558.93	39.46
Total Plot Area	31,824.00	100

7. Population details:

S. No.	Unit Type	DU	PPU	Total Population
Residential				
	Group Housing	382	4.5	1719
	Staff (2%)			34
	Visitors (10%)			172
Grand Total (1+2+3)				1925
Current Occupancy of Project				
	Group Housing	180	4.5	810
	Staff (2%)			16
	Visitors (10%)			81
Total current population residing in project (4+5+6)				907

8. Water requirement details:

S. No.	Description	Area (m ²)	Total Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.	Domestic Water				
a.	Group Housing	--	1719	270	232.06
b.	Staff (2%)	--	30	45	1.35
c.	Visitors (10%)	--	151	15	2.26
Total domestic water demand (A) (a+b+c) = 235.67 Say 236 KLD					
Current Water requirement					
B.	Domestic Water (Current)				
g.	Group Housing		810	135	109.35
h.	Staff (2%)		16	45	0.72
i.	Visitors (10%)		81	15	1.2
Total current Domestic water demand (B) (g + h+ i) = 111.27 say 112 KLD					
C.	Horticulture and Landscape development (Use In STP Water	14,137.51 m ²	--	3l/sq.m	42
D.	DG Sets Cooling (2 x 250+ 2 x 500 KVA)	--	--	0.9 l/kVA/hr	10
E.	Artificial Water body 1	97 m ³		@ 10% of evaporation	10
	Artificial Water body 2	96 m ³		@ 10% of evaporation	10
Total current water requirement (B+D) = 142					
Total current (Fresh) water requirement					142 KLD
Grand Total of water requirement in future (A+D+E) = 266 KLD					
In future total water requirement					270 KLD

9. Solid waste generation details:

S. No.	Category	Total Occupancy	kg per capita per day	Waste generated (kg/day)
Domestic waste from all blocks				
1.	Group Housing	1719	0.45 kg/day	773.55
2.	Staff (2%)	34	0.25 kg/day	8.50
3.	Visitors (10%)	172	0.15 kg/day	25.80
DOMESTIC WASTE GENERATED (All BLOCKS)				807.85
4.	Landscape waste(for green belt)	3.47 acre	5 kg/acre/day	17.35

5.	STP Waste			20.40
TOTAL SOLID WASTE GENERATED				845.6 say 846 kg/day

10. The project proposal falls under category-8(b) as per the MoEF&CC notification dated 14/03/2017 & 08/03/2018.

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter in view of EIA Notification, 2006 (as amended), MoEF&CC Notification dated 08/03/2018 and recommended grant of environmental clearance under violation category for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. The project proponent shall submit a bank guarantee of Rs. 20,05,000/- equivalent to the amount of remediation plan and natural and community resource augmentation plan within 15 days to the SPCB. The bank guarantee shall be released after successful implementation of the EMP, and after the recommendations of the concerned Regional Office of the Ministry, the SEAC and approval of the regulatory authority.
2. The State Govt./SPCB to take action against the project proponent under the provisions of section 19 of Environment Protection Act, 1986.
3. Adequate parking for visitors should be provided at the entrance gate of buildings.
4. Maids working in the flats have to be essentially provided toilets and the rest room in the campus. Similarly the security guards may be provided these facilities separately.
5. A convenient shopping center has to be provided to meet the requirement of the residents on day to day basis.
6. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy.
7. Use of reflecting paints on the roof top and side walls of the building for cooling effect.
8. 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.
9. 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.
10. 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.
11. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
12. 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.
13. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
14. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
15. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
16. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.

18. 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.
19. 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.
20. Corporate Environmental Responsibility (CER) shall be submitted by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provide 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.
21. No parking shall be allowed outside the project boundary.
22. 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.
23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
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.
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. 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. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
33. Roof top water to be only channelized to RWHs. Arrangement shall be made that waste water and storm water do not get mixed.
34. All the internal drains are to be covered till the disposal point.
35. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
36. The bank guarantee shall be released after successful implementation of remediation plan and natural and community resource augmentation plan, and after recommendation by Regional Office of Ministry, Expert Appraisal Committee or State or Union Territory level Expert appraisal committee and approval of the regulatory authority.

6. Proposed Leather Industry at Plot No.- 1154 & 1402, LIDA, Banthar, District- Unnao,U.P., M/s Everest Exports. File No. 5292/Proposal No. SIA/UP/IND/ 47201/2019

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19). The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Proposed Leather Industry at Plot No.- 1154 & 1402, LIDA, Banthar, District- Unnao,U.P., M/s Everest Exports.
2. Project details:

Feature	Description
Site	Plot No – 1154 and 1402 At , LIDA Banther, Unnao - 209 801 (U.P.)
Total area acquired	4.4 Acres (Approx) or 1.7 Ha.
Existing Plant	Nil
Proposed Plant	4.4 Acre (Approx) No Additional Land is required for Expansion
Type of Land	Non Agricultural land (Industrial Estate)
Nearest Port	Nil
Nearest Highway	State Highway (Kanpur, Luck now) 600 M.
Nearest Railway Station	Unnao (10 km)
Nearest Airport	Luck now (45 KM)

3. Land use details:

S.NO.	TOTAL PLOT AREA	
1.	GREEN BELT	18009.60 SQ.MT.
2.	E.T.P.	6000.00 SQ.MT.
3.	SALT RECOVER UNIT & CHROME RECOVERY PLANT	1500.00 SQ.MT.
4.	PLANT & MACHINERY	500.00 SQ.MT.
5.	ROAD	7009.60 SQ.MT.
		3000.00 SQ.MT.

4. Raw material details:

Sr. No.	Name of material	Quantity
1	NO OF RAW HIDES	800 HIDES
2	PER HIDE WIGHT	20 KG
3	SODIUM SULPHITE	900 KG
4	LIME	3150 KG
5	AMONIUM SULPHATE	1125 KG
6	SALT	1575 KG
7	SALPHURIC ACID	675 KG
8	B C S	1350 KG
9	FORMATE	225 KG
10	PESARVATIVE	22 KG
11	SODA BI CARB	900 KG
12	O C	27 KG
13	W T	94 KG
14	A-I	400 KG
15	177	670 KG
16	606	1690 KG
17	ACID BATE	17 KG
18	NEUTRIGUN	135 KG
19	SODA BI CARB	270 KG
20	FORMATE	270 KG
21	AMONIA BI CARB	200 KG
22	L S W	67 KG
23	H S	67 KG

24	M A -30	135 KG
25	1093	135 KG
26	LIQ.AMONIA	67 KG
27	BASYNTAN U R	270 KG
28	DYE	135 KG
29	RELUGAN D	135 KG
30	FORMIC ACID	470 KG
31	PESARVATIVE	40 KG

5. Solid waste generation details:

Sr. No.	Type of Waste	Quantity Generation	Utilization / Disposal Plan
1.	Coal Ash (Generated through Boiler)	50 Kg Per day	Utilization for as per fly ash rule.
2.	ETP sludge	2-3 MT per Day	Dispose through TSDF site.
3.	Used Oil (Generated through stand by DG set)	50 liter/Month	Partial used in Boiler and partial sell to register recycler.
4.	Salt Recovery (recovery from evaporation of ETP treated waste water)	0.50- 0.68 MT/day	Dispose through TSDF Site.
5.	Small pieces of leather	1-2 MT per day	Smaller particle (saver dust) will sell to feeder and fertilizer industry. Bigger part will sell to end user.

6. The project proposal falls under category–4(f) of EIA Notification, 2006 (as amended).

Resolution against agenda no. 06

The committee discussed the matter and recommended following TORs for the conducting EIA studies regarding the proposal:

1. Executive Summary.
2. Introduction:
 - a. Details of the EIA Consultant including NABET accreditation
 - b. Information about the project proponent
 - c. Importance and benefits of the project
3. Project Description
 - a. Cost of project and time of completion.
 - b. Products with capacities for the proposed project.
 - c. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - d. List of raw materials required and their source along with mode of transportation.
 - e. Other chemicals and materials required with quantities and storage capacities
 - f. Details of Emission, effluents, hazardous waste generation and their management.
 - g. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - h. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
 - i. Hazard identification and details of proposed safety systems.
 - j. Expansion/modernization proposal:
 - k. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-

EMP report.

- i. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
4. Site Details
 - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
 - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
 - iii. Details w.r.t. option analysis for selection of site
 - iv. Co-ordinates (lat-long) of all four corners of the site.
 - v. Google map-Earth downloaded of the project site.
 - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
 - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
 - viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
 - ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
 - x. Geological features and Geo-hydrological status of the study area shall be included.
 - xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - xiii. R&R details in respect of land in line with state Government policy
5. Forest and wildlife related issues (if applicable):
 - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
6. Environmental Status
 - i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and

- rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
 - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - xi. Socio-economic status of the study area.
7. Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
 - ii. Water Quality modeling - in case of discharge in water body
 - iii. Mentioned the technology to be adopted in waste water treatment.
 - iv. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
 - v. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
 - vi. Details of stack emission and action plan for control of emissions to meet standards.
 - vii. Measures for fugitive emission control
 - viii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - ix. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - x. Action plan for the green belt development plan in 33% area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - xi. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest

- rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xii. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xiii. Action plan for post-project environmental monitoring shall be submitted.
 - xiv. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
8. Occupational health
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
9. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
10. Corporate Social Responsibility (CSR) plan along with budgetary provision amounting to 2% of project cost shall be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
11. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
12. A tabular chart with index for point wise compliance of above TOR.
13. Justification for engaging a particular type of process (raw hide/skin into semi finishing or finished leather, semi finished leather to finished leather, dry finishing operations, chrome/vegetable tanning, etc.).
14. Details regarding complete leather/skin/ hide processing including the usage of sulfides, nitrogen compounds, chromium or other tanning agents, post-tanning chemicals, biocides, etc., along with the material balance shall be provided.
15. In case of chrome tanning, details of the chrome recovery plant, management of shavings/solid waste including safe disposal.
16. Details on reuse of soak liquor / saline stream from membrane system, if applicable, to the extent possible in pickling activity after required treatment. Also, mention the salt recovery measures.

The project proponent shall also submit:

- 1. Land allotment letter from UPSIDC.
- 2. Location of small ponds as given in form-1 and their distances from the project site.
- 3. Magnetic Flow meters shall be installed on every point of discharge.
- 4. Material balance of Chromium.
- 5. Storm water drain and industrial discharge drains shall be separate.
- 6. Plan for minimum 35% green belt with 10 m peripheral green.

7. Details of membership with TSDF facility for environmentally sound management of hazardous waste.
8. Affidavit regarding zero discharge and its plan.
9. All the drain should be covered. Plan to be submitted.
10. Set back details.
11. NOC from fire department.
12. All internal road width will be provided as per UPSIDC byelaws. Parking details.
13. Location of kutch pond to be shown in lay out plan.
14. Waste management system is to be followed as approved by competent Authority. Plan submitted.
15. Daily water consumption under the stable condition shall be reassessed considering the evaporation losses.
16. Sludge handling in the dried sludge form only shall be incorporated in the system and no wet sludge handling is to be considered.
17. Total cost of the ETP with the budgetary provision duly approved by the Board of Directors is to be incorporated and submitted along with TOR compliance.
18. Monitoring of H₂S in the baseline data shall also be included in the impact analysis.

The project proponent is requested to submit the final EIA/EMP prepared as per TORs to the SEIAA UP for considering the proposal for environmental clearance.

7. M/s Avadh Sugar & Energy Ltd., New India Sugar Mills, Hata (Hata Sugar) has proposed expansion/ modernization of existing Sugar Unit: Sugar Plant from 7000 TCD to 9000 TCD, at Village- Dhandha Bujurg, Post- Sukrauli, Tehsil- Hata, District-Kushinagar, U.P., M/s Avadh Sugar & Energy Ltd. File No. 5564/Proposal No. SIA/UP/IND2/51814/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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: Sugar Plant from 7000 TCD to 9000 TCD at Village- Dhandha Bujurg, Post- Sukrauli, Tehsil- Hata, District-Kushinagar, U.P., M/s Avadh Sugar & Energy Ltd.
2. Details of proposed expansion project:

S.No	Particulars	Details
1.	Proposed capacity of Plant	Proposed expansion of the existing sugar plant 7000 TCD to 9000 TCD
2.	Proposed Project Location	Village: DhadaBujurg, Tehsil: Hata, Block: Sukrauli, District: Kushinagar (U.P.)-274207
3.	Total project cost	Total Project Cost : 1905.29 Lakh (for Sugar expansion)
4.	Total project area and Green Belt Development	The proposed expansion will be done in existing sugar unit of area of 32.94 Hectare (33% of the project area will be covered under green belt plantation of 10.87 Hectare)
5.	Category of Project	Category : B and Schedule : 5 (j)
6.	Process Involve	Cane crushing and extraction of juice, clarification of juice, concentration of juice, Boiling of syrup to granule, separation of crystal from other liquors.
7.	No of Working Days	240 Days/Annum
8.	Raw material and its Quantity	Sugar cane : 9000 TCD
9.	Product and its Quantity	White Crystal Sugar 900 MT/Day
10.	Co gen power generation	33.0 MW (No change) (Existing)

11.	Fresh Water Requirement (Industrial)	Industrial (For 9000 TCD) 1485 KLD @0.165 KL/T of cane crushed) (Net fresh water requirement after recycling) Domestic – 100 KLD Total water Requirement: 1585 KLD
12.	Power requirement	24 MW for 9000 TCD Sugar plant Source –Co Generation Power Plant – 33.0 MW (In House) (Existing)
13.	Fuel and its quantity	Bagasse: 2409 TPD will be used as fuel
14.	Steam requirement	170 TPH for 9000 TCD Sugar plant
15.	Number of boiler proposed	100 TPH Boiler (existing) 120 TPH Boiler (existing)
16.	Air Pollution Control Device	ESP (Efficiency 99 %) along with Stack of height 72 Meters
17.	Waste Water Generation	Effluent : 1728 KLD
18.	Waste Water treatment	<u>For industrial effluents:</u> Existing ETP will be modified for 9000 TCD cane crushing plant. NOTE: 15% treated water will be recycled back in process and As per GSR35 (E) dated 14.01.2016 i.e. Environmental Standards for Sugar Industry. We will discharge 85% of treated effluent of B.O.D less than 30 milligram per liter in surface water.
19.	Waste Water Discharge	Total Treated water available : 1700 KLD 500 KLD in Industry (reuse) 1200 KLD in discharge after Treatment
20.	Solid Waste Generation	Total Ash: 70 MT/Day, Will be utilized as manure mixed with pressmud. Press mud: 405 TPD, will be utilized as manure due to high organic and potash content. ETP sludge: 75kg/day, Used as manure
21.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	208.0 Lakh
22.	Recurring cost towards Environmental control measures	50.0 Lakh per year
23.	CER expenses	19.05 Lakhs (@ 1.0 % of total project cost)
24.	CSR	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).

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

RESOLUTION AGAINST AGENDA NO-7

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

1) Certified compliance report should be submitted at the time of EIA presentation.

2) **Executive Summary.**

3) **Introduction:**

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project.

4) **Project Description:**

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

5) Site Details:

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

- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

6) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

7) Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQMM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area

8) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the

area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

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

9) Occupational health:

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

10) Corporate Environment Policy:

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

iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

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

12) Enterprise Social Commitment (ESC):

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

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

14) A tabular chart with index for point wise compliance of above TOR.

A. Specific Terms of Reference for EIA studies for SUGAR:

1. Complete process flow diagram describing each unit, its processes and operations in production of sugar, along with material and energy inputs and outputs (material and energy balance).
2. Details on water balance including quantity of effluent generated, recycled & reused. Efforts to minimize effluent is charge and to maintain quality of receiving water body.
3. Details of effluent treatment plant, inlet and treated water quality with specific efficiency of each treatment unit in reduction in respect to fall concerned / regulated environmental parameters.
4. Number of working days of the sugar production unit.
5. Details of the use of steam from the boiler.
6. Details of proposed source-specific pollution control schemes and equipments to meet the national standards.
7. Collection, storage, handling and transportation of molasses,
8. Collection, storage and handling of bagasse and pressmud.
9. Flyash management plan for coal based and bagasse and action plan
10. Details on water quality parameters such as Temperature, Colour, pH, BOD, COD, Total Kjeldhal Nitrogen, Phosphates, Oil & Grease, Total Suspended Solids, Total Coli form bacteria etc.
11. Details on existing ambient air quality and expected, stack and fugitive emissions for PM10, PM2.5, SO2, NOx, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards.

8. Expansion/Modernization of Distillery Plant From 45 KLD TO 65.3 KLD, Power Plant from 1.4 MW TO 2 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622 M partly, Village-Rohana Kalan Has Mill, Block Charthawal, Tehsil & District- Muzaffarnagar, U.P. M/s Indian Potash Ltd. File No. 5646/Proposal No. SIA/UP/IND2/52833/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Distillery Plant From 45 KLD TO 65.3 KLD, Power Plant from 1.4 MW TO 2 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622 M partly, Village-RohanaKalan Has Mill, Block Charthawal, Tehsil & District- Muzaffarnagar, U.P. M/s Indian Potash Ltd.
2. Salient Features details:

S.No	Particulars	Details
1.	Proposed capacity of Plant	Proposed expansion/ modernization of Distillery plant from 45 KLD TO 65.3 KLD along with Co-gen power plant having capacity 1.4 MW from 2.0 MW.
2.	Proposed Project Location	Khasra no. 634, 634 M, 633, 631, 627, 626, 624 partly, 622M Partly

		RohanaKalan, Muzaffarnagar (U.P.)
3.	Total project cost	Rs. 11300 Lakhs
4.	Total project area and Green Belt Development	Total Land for Proposed Distillery : 6.988 Hectare (Adjoining existing Sugar Mill) (33% of the project area will be covered under green belt plantation of 2.306 Hectare)
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Process Involve	Molasses Dilution, Fermentation & Distillation
7.	No of Working Days	350 Days / Annum
8.	Raw material and its Quantity	Molasses (All variants like B-Heavy, Final C-Molasses) & Sugarcane Syrup 284 MT/DAY of C-Molasses or 200 MT/Day of B-Heavy Molasses or 218 MT/Day of 50% Sugar Syrup (Above Raw Materials will be procured from own existing Sugar Mills & other nearby Mills)
9.	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol :65.3 KLD
10.	Co gen power generation	2.0 MW Co gen Power.
11.	Fresh Water Requirement (Industrial)	Fresh Water Requirement : 445 KLD (Industrial Use) Source: Treated and Condensate water from adjacent sugar industry as well as surface water through canal.
12.	Power requirement	1.8 MW Source –Co Generation Power Plant – 2.0 MW (In House)
13.	Fuel and its quantity	Slop will be incinerated in boiler along with coal/husk as supporting fuel. Slop:166 TPD Coal Requirement : 60 TPD Or Husk:70 TPD
14.	Steam requirement	17 TPH
15.	Number of boiler proposed	1 No. 22 TPH (Slop Fired Incineration Boiler)
16.	Air Pollution Control Device	ESP (Efficiency 99 %) along with Stack of height 70 Meters
17.	Waste Water	Conc. Spent Wash : 326 KLD (@5 KL/ KL of Product) Other Effluent (ZLD will be followed)
18.	Waste Water treatment	Spent Wash : Concentrated in MEE & Incinerated in Slop Fired Incineration Boiler For Other effluents : Spent Lees & Process Condensate: 100% Recycle to Process & Cooling Tower as Make Up Water after CPU. CT & Boiler Blowdowns - Secondary Treatment Plant shall be installed for treatment and internal recycling/ reuse. ZERO LIQUID DISCHARGE SHALL BE MAINTAINED
19.	Waste Water Discharge	Unit will be Zero Liquid Discharge Based
20.	Solid Waste Generation	Total Ash generated : 35 TPD Fermenter sludge: 2 TPD Disposal: Total Ash will be used as Soil conditioner; Fermenter Sludge will be dried in sludge drying bed and used as Manure.
21.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	40 Crores
22.	Recurring cost towards Environmental control measures	1 Crore
23.	CER expenses	84.75 lakhs (0.75% of project cost)
24.	CSR	2% of total annual Profit as per the CSR Act

	(By Ministry of corporate affairs) Notification GSR 129 (E).
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3. The project proposal falls under category–5(g) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-08

For the preparation of the EIA report, the request was made by the project proponent to consider the exemption from public hearing. The committee discussed the matter and concurred with the request made by the project proponent and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MOEF&CC, OM No.J-11013/41/2008-IA-II(I)(PART) Dated 29/08/2017:

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

- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

6. Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

7. Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM₁₀, PM_{2.5}, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

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

8. Impact and Environment Management Plan

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

9. Occupational health:

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

10. Corporate Environment Policy:

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
11. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

12. Enterprise Social Commitment (ESC):

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
13. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
14. A tabular chart with index for point wise compliance of above TOR.

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

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

9. Establishment of 120 KLD (Ethanol Plant) molasses based distillery along with 4 MW of Co-generation of Power at Village-Sujanpur, Ranet Chouraha Tehsil-Bisauli, District-Badaun, U.P., M/s Yadu Sugar Ltd. File No. 5657/Proposal No. SIA/UP/IND2/152128/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 120 KLD (Ethanol Plant) molasses based distillery along with 4 MW of Co-generation of Power at Village-Sujanpur, Ranet Chouraha Tehsil-Bisauli, District-Badaun, U.P., M/s Yadu Sugar Ltd.
2. Salient Features details:

S.N.	Particulars	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. 53,54k,55,64,66,69,70, 71,72,73,75,70,79, 80,86,92,95,138,247,248,249, 253,295, 320kha, 321, 312, 332k, 353kha, 340,416ka,416kha,417,419,420) Village Sujanpur, RanetChouraha, Tehsil Bisauli, . District Badaun
3.	Total project cost	Rs 160.17 Crores
4.	Total project area and Green Belt development	Total Land for Proposed Distillery: 7.975 Hectare (33% of the project area will be covered under green belt plantation of 2.6 Hectare) (Establishment of new distillery adjacent to existing sugar unit).
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Process Involve	Molasses Dilution, Fermentation & Distillation
7.	No of Working Days	360 Days/ Annum
8.	Raw material and its Quantity	Molasses: 540 KLD
9.	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol 100 KLD
10.	Co gen power generation	4.0 MW Co gen Power.
11.	Fresh Water Requirement (Industrial)	Industrial – 720 KLD (@ 7.2 KL/KL of product) (Net fresh water requirement after recycling) Domestic – 20 KLD
12.	Power requirement	3.5 MW Source –Co Generation Power Plant – 4.0 MW (In House)
13.	Fuel and its quantity	Slop will be incinerated in boiler along with Bagasse as supporting fuel. Slop : 260 KLD Bagasse / Biomass : 132.0 TPD
14.	Steam requirement	28 TPH
15.	Number of boiler proposed	1 No. 45 TPH slop fired boiler
16.	Air Pollution Control Device	ESP (Efficiency 99 %) along with Stack of height 72 Meters
17.	Waste Water Generation	Spent Wash: 600 KLPD @ 6 KL/KL of Product Other Effluents: 965 KLD
18.	Waste Water treatment	For Spent wash: MEE + Incineration (Slop fired Boiler) will be installed. For Other effluent: Condensate Polishing Plant will be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs). For Domestic waste septic tank and soak pit will be installed
19.	Waste Water Discharge	Unit will be Zero Liquid Discharge Based
20.	Solid Waste Generation	Total Ash: 51 MT/Day: will be utilized as manure due to high organic and potash content. Fermenter Sludge: 12 MT/Day, will be used as manure along with ash.
21.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	Rs. 3800.00 lakhs
22.	Recurring cost towards Environmental control measures	Rs. 310.00 Lakhs
23.	CER expenses	240.2 Lakhs @ (1.5% of total project cost)
24.	CSR	2% of total annual Profit as per the CSR Act

		(By Ministry of corporate affairs) Notification GSR 129 (E).
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3. The project proposal falls under category–1(d) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-09

For the preparation of the EIA report, the request was made by the project proponent to consider the exemption from public hearing and 3 months base line study. The committee discussed the matter and concurred with the request made by the project proponent and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MOEF&CC, OM No. J-11013/41/2008-IA-II(I)(PART) Dated 29/08/2017:

1) Executive Summary.

2) Introduction:

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project.

3) Project Description:

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

4) Site Details:

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.

- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

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

7) Impact and Environment Management Plan

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

8) Occupational health:

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

9) Corporate Environment Policy:

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

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

11) Enterprise Social Commitment (ESC):

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

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

13) A tabular chart with index for point wise compliance of above TOR.

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

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

10. Manufacturing of ICT components and modules for mobile phones & tablet "Electronic Industries" at Plot No.-A-3, Ecotech-VI, Greater Noida, Gautam Buddha Nagar., M/s KHVA TEC India Pvt. Ltd. File No. 5508/Proposal No.SIA/UP/NCP/ 50970/2020

RESOLUTION AGAINST AGENDA NO-10

During the presentation the project proponent informed that due to some reason they have withdrawn the above application for the TOR. The committee directed to close the file no. 5158.

11. Group Housing Project "Bogainvillae Gardens" at Sector,-150, Noida, District- Gautam Buddha Nagar, M/s Allure Developers Pvt. Ltd. File No. 5601/Proposal No. SIA/UP/NCP/52298/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Group Housing Project "Bogainvillae Gardens" at Sector,- 150, Noida, District- Gautam Buddha Nagar, M/s Allure Developers Pvt. Ltd.
2. Plot Area of the project is 60,000 sq. m, whereas, total Built-up Area is 2,80,902 sq. m. Max. No of floors are 2B+ST/G+23. Total Saleable DU's dwelling units is 1080.
3. Salient features of the project:

Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	60000	SQMT
2	Proposed Built Up Area	280902	SQMT
3	Total no of Saleable DU's	1080	No.
4	Max Height - (Height of tallest block)	83	M
5	No of Building Blocks (Residential+Community facilities)	14(12+2)	
6	Max No of Floors	2B+ST/G+23	No.
7	Expected Population (6472 Residential+2335 Floating)	8707	No.
8	Total Cost of Project	502	CR
9	Proj Activity : Group Housing, with club, sports & health club facilities		
AREAS			
10	Total Permissible FAR Area (250+5% for Green Certification)	155264.55	SQMT
11	Total Proposed FAR Area	155264	SQMT
12	Other Non FAR Areas	56113.30	SQMT
13	Non FAR areas - Total Basement Area	69525.26	SQMT
14	Proposed Total Built Up Area	280902.56	SQMT
WATER			
15	Total Water Requirement	666.02	KLD
16	Fresh water requirement	452.73	KLD
17	Treated Water Requirement	213.29	KLD
18	Waste water Generation	513.79	KLD
19	Proposed Capacity of STP	620	KLD
20	Treated Water Available for Reuse	462.41	KLD
21	Treated Water Recycled	213.29	KLD
22	Surplus treated water to be discharged in Municipal Sewer with Prior permission	249.12	KLD
RAIN WATER HARVESTING			
23	Rain Water Harvesting - Recharge Pits	15	No.
PARKING			
24	Total Parking Required as / Building Bye Laws	1938	ECS
25	Proposed Total Parking	1938	ECS
26	Parking on Surface	84	ECS
27	Parking in Basements	1854	ECS
GREEN AREA			
28	Proposed Green Area (35.1 % of plot area)	21050	SQMT
WASTE			
29	Total Solid Waste Generation	3.5	TPD
30	Organic waste	2.14	TPD
31	Quantity of E-Waste Generation- Kg/Day	41.90	KG/DAY
32	Quantity of Hazardous waste Generation	5.75	LPD

33	Quantity of Sludge Generated from STP	36	KG/DAY
ENERGY			
34	Total Power Requirement	7000	KW
35	DG set backup	9065	KVA
36	No of DG Sets	10	No.

4. Water requirement details:

	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN KL
RESIDENTIAL			
DOMESTIC	6372	65	414.18
FLUSHING	6372	21	133.81
NON RESIDENTIAL (Working)			
DOMESTIC	244	25	6.09
FLUSHING	244	20	4.87
VISITORS			
DOMESTIC	2092	5	10.46
FLUSHING	2092	10	20.92
TOTAL POPULATION	8707		
SWIMMING POOL	1	LS	10
FILTER BACK WASH		LS	12
GARDENING	21050	1	21.05
	KVA		
D G COOLING	9065	0.9	32.63
TOTAL WATER REQUIREMENT			666.02
<ul style="list-style-type: none"> ➤ Estimated Sewage Generation: 514 KLD ➤ Waste water generated will be treated in on-site STP. ➤ Proposed treatment methodology : MBBR ➤ Proposed STP (Capacity): 620 KLD 			

5. Waste generation details:

Total Waste Generation	3.52	TPD
Organic Waste Generation	2.14	TPD
E- Waste Generation	42	KG/Day
Sludge Generation	36	KG/Day
Hazardous Waste Generation (DG Waste Oil)	5.75	Lts/ Day

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

RESOLUTION AGAINST AGENDA NO-11

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

1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
2. Allotment letter from concerned development authority.
3. All approved drawings/maps alongwith approved services plans.
4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
6. Complete Gata/Khasra no. of the project alongwith soft and hard copy should be submitted in table format with proper calculation.
7. Physical features within 30 m of the project sites with their ownership.
8. Complete Details of facilities to be developed by the project proponent i.e. for which environment

clearance is sought.

9. Use of reflecting paints on roof top and side walls.
10. Details of rain water harvesting are to be given.
11. Provision of 100% solar lighting along the road site, stair cases, common places.
12. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
13. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
14. Water requirement and its management plan along with necessary permissions for discharge.
15. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
16. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
17. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
18. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
19. Landscape plan, green belts and open spaces may be described separately.
20. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
21. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
22. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
23. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
24. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
25. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
26. Identification of recyclable wastes and waste utilization arrangements may be made.
27. Explore possibility of generating biogas from biodegradable wastes.
28. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
29. Provisions made for safety in storage of materials, products and wastes may be described.
30. Disaster management plan should be prepared.
31. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
32. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
33. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
34. Provide service road for entry and exit to project site.
35. Use of local building materials should be described.
36. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions

of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.

37. Work out MGLC for the combined capacity of DG sets.
38. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
39. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
40. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
41. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
42. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
43. Project falling within 10 Km. area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco- sensitive zone is not earmarked.
44. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
45. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

- a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:
 - I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."
 - II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
 - III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
 - IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.
- b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.
- c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
- d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness

and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.

- e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
- f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
- g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
- h. The EIA document shall be printed on both sides, as far as possible.

The Information's no (a I , II, III & c) asked under the general guidelines is to be submitted within 15 days from the date of receipt of the letter and remaining of the information's is to be submitted along with the EIA.

12. Expansion of APIS and Bulk Drugs Manufacturing Unit from 28.70 TPA to 324 TPA at 8th km. Jansath road, District- Muzaffarnagar, U.P., M/s Rati Pushp Intermediates Pvt. Ltd. File No. 5667/Proposal No. SIA/UP/MIS/154274/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s EQMS India Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Expansion of APIS and Bulk Drugs Manufacturing Unit from 28.70 TPA to 324 TPA at 8th km. Jansath road, District- Muzaffarnagar, U.P., M/s Rati Pushp Intermediates Pvt. Ltd.
2. Environmental Clearance for the existing proposal was issued by MOEF&CC, Govt. of India vide letter No. F.NO./J-11011/204/2010/IA-II(I) dated 22 July 2013.
3. The present manufacturing capacity and Products: 28.70 TPA, L-Base, D-Base, Chloramphenicol Powder and Chloramphenicol Palmitate.
4. MOEF&CC GOI has issued Office Memorandum Dated 13.04.2020 wherein proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API), received up to the 30th September 2020, shall be appraised, as Category B2' projects for expediting the prior Environmental Clearances so as to ensure drug availability or production to reduce the impact of the Novel Corona Virus (COVID-19).
5. Salient Features of the project as submitted by the project proponent:

Sl. No.	Parameter	Description
1	Name of the project	Expansion of APIs and Bulk Drugs Manufacturing
2	Category of Project as per EIA Notification & Amendments	5(f) ' Manufacturing / Production of Synthetic Organic Chemicals , (API) Category "B2"
3	Plot/ Survey/ Khasra No.	8th km. Jansath Road Muzaffarnagar, U.P.
4	Project cost	4 Crores
5	Existing capacity/ area etc.	28.70 TPA
6	Proposed capacity	28.70 TPA to 324 TPA.
7	Land requirement	No additional land required. Expansion within existing plant Total Land available: 1805 m2 Area required for proposed expansion- 534 m2

		Green belt area: (610 m2)
8	Water Requirement & Source	Existing: 2.02 KLD (ground water) Proposed: 3.1 KLD Total (after expansion): 5.12 KLD Source: From ground water.
9	Waste water generation	Existing: 0.52 KLD (Treated in ETP) Proposed : 1.1 KLD (to be treated in ETP) Total (after Expansion): 1.62 KLD Treatment : ETP (2 KLD), ZLD system. .
10	Power/Fuel Requirement& Source	Existing: 63 KVA (being sourced from state electricity board) After expansion: Total power requirement will be 213 KVA Source: from state electricity board.
11	Emergency Power	2 D. G. Sets 30KVA & 63 KVA. – Existing 1 D.G. Set 160KVA - Proposed
11	Fuel Requirement	Existing: approx 40 lit/day Diesel for 300 kg Boiler and approx 8 LPH Diesel for DG Proposed: approx 120 lit/day Diesel for 1000 kg Boiler and approx 18 LPH Diesel for DG
11	Man Power/ Employment	Direct employment : 18 person indirect employment: for 30 persons.
12	Solid and Hazardous Waste	Shall be disposed as per Norms

6. Area details:

S. No.	Land Use	Existing Area in sq. m.	**Proposed Area in sq. m.	%
1	Ground Coverage	467	320.00	68%
2	First Floor Coverage	Nil	214.00	100%
3	Green Area	610	Nil Nil	0%
4	Parking Area	41	Nil Nil	0%
5	Road & Open area	363	Nil Nil	0%
6	ETP TANK	26	Nil Nil	0%
7				
8				
	Total Plot area	1805	534.00	

7. Product details : Existing and Proposed:

Sr.No.	Products/By-Product Name	Existing (TPA)	Proposed (TPA)	Total (TPA)	CAS number
1	L-Base	4.328	36.5	40.8	716-61-0
2	D-Base	12.48	NIL	12.48	2664-48-9
3	Chloramphenicol Powder	7.2	52.8	60	56-75-7
4	Chloramphenicol Palmitate	4.687	NIL	4.687	530-43-8
5	Glimepiride	-	4	4	93479-97-1
6	Glipizide	-	4	4	29094-61-9
7	Chlorphenamine Maleate	-	18	18	113-92-8
8	AmbroxolHcl	-	60	60	23828-92-4
9	Levofloxacin	-	60	60	100986-85-4
10	Ofloxacin	-	60	60	82419-36-1
Total		28.70	295.3	323.967	-

8. Water requirement details:

S. No	Activity	Existing Requirement	Water Proposed Required (KLD)	Total After Expansion (KLD)
1	Domestic	0.5	0.5	1
2	Process Water	0.32	0.6	0.92
3	Wash Water	0.2	0.5	0.7
4	Scrubbing	Nil	Nil	Nil
5	Cooling Tower &Boiller	0.5	1.5	2
7	Gardening	0.5	0.5	1

	Total	2.02	3.6	5.62
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9. Liquid waste generation details:

Type of Effluent	Existing	Proposed	Total	Treatment method
Plant Processes / Manufacturing	0.32	0.6	0.92	ETP (1 KLD Existing and 1 KLD Proposed)
Washing of Pant Machinery and others	0.2	0.5	0.7	
Total	0.52	1.1	1.62	
Domestic	0.5	0.5	1.0	Disposed in Septic Tank Soak Pit
<ul style="list-style-type: none"> Total effluent generated from the unit (after expansion) will be 1.62 KLD and propose treat in-house zero liquid discharge system. Treated effluent is proposed to be use for utility operations, floor washing and toilet flushing's. Domestic waste shall be disposed in soak pit and septic tank. 				

10. The wastewater generated (1.62 KLD) will be treated in an on-site ETP (2 KLD capacity).

11. Solid waste generation details:

Type of waste	Details of the waste	Generation	Management
Municipal solid waste	Bio Degradable and non Bio Degradable	18 Kg/day	Authorized Recycler and Municipal Land fill site
Process waste Non Hazardous	Waste Papers And Plastic Products such as Bags etc.	0.3 MTA	Sale to Recyclers
	Battery Waste	0.15 MTA	Return to battery manufacturer through authorized dealer on buy back procurement program
	E-Waste	0.1 MTA	Sale to Recyclers
Hazardous waste	ETP Sludge	1.0 MTA	Will be collected in HDPE bags and stored and Will be disposed off to TSDF site
	Spent Carbon	0.08 MTA	

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

RESOLUTION AGAINST AGENDA NO-12

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

1. Certified compliance report for the earlier environmental clearance should be submitted within 03 months. In case of failure, the environmental clearance shall automatically deemed to be cancelled.
2. Zero liquid discharge should be practiced.
3. Statutory compliance:
 - i. The project proponent should obtain necessary permission from Drug Controller, Govt. of India, within time frame.
 - ii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 - iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iv. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule species in the study area).
 - v. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

- vii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
4. Air quality monitoring and preservation:
- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
 - iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
 - iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
 - v. Storage of raw materials, coal etc, shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
 - vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
 - vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied.
5. Water quality monitoring and preservation:
- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
 - ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
 - iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever, is more stringent.
 - iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
 - v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
 - vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
 - vii. The DG sets shall be equipped with suitable pollution control devices and the adequate

stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

6. 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.
7. Energy Conservation measures:
 - i. The energy sources for lighting purposes shall preferably be LED based.
8. Waste management:
 - i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
 - ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
 - iii. The company shall undertake waste minimization measures as below:-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation
9. Green Belt:
 - i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
10. Safety, Public hearing and Human health issues:
 - i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
 - iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
 - iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
 - v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
11. Corporate Environment Responsibility:
 - i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-

- 65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation /violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.
 - v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
12. Miscellaneous:
- i. Environment Clearance subjected to condition of necessary permission from Drug Controller and Department of Industry.
 - ii. Monitoring of dioxin and furon from biomass fueled boiler should be done.
 - iii. Agreement with TSDF vendors shall be submitted.
 - iv. 100% waste water is to be treated in ETP conforming to prescribed standards of receiving body for designated use.
 - v. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
 - vi. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - vii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - viii. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 - ix. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - x. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - xi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 - xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control

Board and the State Government.

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

13. Proposed for 60 KLPD Grain or Molasses based Distillery along with 2.5 MW co-gen power plant at Khasra No.- 201, 202, 205, 206, Village-Daulatpur, Post- Aurangabad, Tehsil-Mitauli, District- Kheri, U.P., M/s Goyla Distillery LLP. File No. 5511/Proposal No. SIA/UP/IND2/50828/2020

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Paramarsh Servicing Environment & Development. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Proposed for 60 KLPD Grain or Molasses based Distillery along with 2.5 MW co-gen power plant at Khasra No.- 201, 202, 205, 206, Village-Daulatpur, Post- Aurangabad, Tehsil- Mitauli, District- Kheri, U.P., M/s Goyla Distillery LLP.
2. The project proposed is to be developed in an area of approx. 36160 m².
3. Salient features of the project:

S. No.	Item	Details
1.	Name of the Project	M/s Goyla Distillery LLP. (Distillery Division)
2.	Location of the Project	Village- Daulatpur, Post- Aurangabad, Tehsil- Mitauli, District- Kheri, Uttar Pradesh.
3.	Category of Projects	Category "B" and Schedule – 5(g)
4.	Total Project Area	3.616 ha (For establishment of New Industry) (Khasra No. 201, 202, 205, 206, 5, 6 of Daulatpr Village)
	Green Belt	1.2 hectare (33 % of Total Project area)
5.	Proposed Capacity of Distillery	Grain & Molasses based Distillery of capacity 60 KLPD (RS/ENA/AA) along with 2.5 MW Co gen Power having Boiler capacity of 15 TPH

6.	Product	60,000 lit per day RS (Rectified Spirit) @ 95% v/v ethanol content OR 60,000 lit per day ENA (Extra Neutral Alcohol) @ 96% v/v ethanol content OR 60,000 lit per day Absolute Alcohol @ 99.80% v/v ethanol content.			
7.	Raw Material (Quantity)	~160 tons per day Grain with 62% w/w (min.) starch content OR ~260 tons per day Molasses with 42% w/w (min.) sugar content			
8.	Boiler	1 No. (15 TPH)			
9.	Power Requirement	1300 – 1700 kW			
10.	Fresh Water Requirement	Industrial use : 600 KLD Domestic use: 10 KLD Total Water Requirement : 610 KLD			
11.	Source of water and area categorization as per CGWA	SOURCE: Ground water (from Tube well) AS PER CGWA CATEGORIZATION ; UNIT LIES IN “SAFE AREA”			
12.	Waste Water Generation	Spentwash:500 KLD (Spent wash will be initially treated in decanter centrifuge then will be treated via multi effect evaporator (MEE)) Other Effluent: 520 KLD (like Spent Leese, MEE Condensate , Blow Down and Floor washing) Will be treated in Secondary Effluent treatment Plant.			
13.	Waste water discharge	Zero liquid discharge			
14.	Number of working days	350 days/annum			
15.	Waste Water Treatment	UASB Reactor and Multi-Effect Evaporation (MEE)			
16.	Air Pollution Control Device	Wet Scrubber, Cyclone and Bag Filter			
17.	Nos. of Stack	1 No. of Stack			
18.	Total Project Cost	100.30 Crore			
19.	Cost towards Corporate Social Responsibility (CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).			
20.	Cost towards CER	The proposed CER Cost is 2.28 Crores @1.5% of capital investment), as per office memorandum no. F. No. 22-65/2017-IA.III dated 1st May 2018 as project is green field (New Distillery Project).			
21	Waste water treatment strategy	For Spent wash : 500 KLD			MEE followed by Incineration (Slop fired Boiler) Effluent in the form of spent wash will be 500 KLD. It will be concentrated in Multi effect evaporation (MEE) and then concentrate from MEE will be incinerated in Incineration boiler as a fuel along with bagasse.
		For Other Effluent : 520 KLD			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			STP will be installed.
22	Solid Waste Generation and its management	Particular	Source	Quantity	Management
		Ash generation	From Slop Fired Boiler, APCS	25 MT/Day	Will be converted into manure via granulation plant and manure shall be provided to the farmer.
		Fermenter Sludge	From process	6 MT/Day	

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

RESOLUTION AGAINST AGENDA NO-13

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

1. Executive Summary.

2. Introduction:

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project.

3. Project Description:

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

4. Site Details:

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

- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5. Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM₁₀, PM_{2.5}, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area

7. Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be

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

8. Occupational health:

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

9. Corporate Environment Policy:

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

- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11. Enterprise Social Commitment (ESC):

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13. A tabular chart with index for point wise compliance of above TOR.

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

- 1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
- 2. Number of working days of the distillery unit.
- 3. Details of raw materials such as molasses/grains, their source with availability.
- 4. Details of the use of steam from the boiler.
- 5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
- 6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
- 7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
- 8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
- 9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
- 10. Action plan to control ground water pollution.
- 11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
- 12. Details of bio-composting yard (if applicable).
- 13. Action plan to control odour pollution.
- 14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Meraj Uddin)
Member

(Dr. Ajoy Mandal)
Member

(Shri Rajiv Kumar)
Member

(Prof. S.K. Upadhyay)
Member

(Dr. Sarita Sinha)
Member

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

