

Minutes of 329th SEAC Meeting Date 05/04/2018

The 329th meeting of SEAC was held in Directorate of Environment, U.P. on 05/04/2018 following members were present in the meeting:

1.	Dr. (Prof.) S.N. Singh,	Chairman
2.	Dr. Sarita Sinha,	Member
3.	Dr. Arvind Mathur,	Member
4.	Dr. Virendra Mishra,	Member
5.	Dr. Pramod Kumar Mishra,	Member
6.	Dr. Richhpal Singh Sangu,	Member
7.	Prof. D.P. Singh,	Member
8.	Dr. Ranjeet Kumar Dalela,	Member
9.	Shri Ramesh Chand Kataria,	Member
10.	Shri Meraj Uddin,	Member
11.	Shri Rajive Kumar,	Member

The Chairman welcomed the members to the 329th SEAC meeting.

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

General decision :-

The SEAC has decided to hold the meeting twice in a month each of consisting 3 days. The SEAC members opined to finalize the meeting minutes properly at least 5 days are required.

1. Affordable Housing Project "Sangwan's Aanandam", under Pradhan Mantri Awas Yojan, located at Khasra No.-250, 263, 251, 259, 249M, & 265, Village-Mahua Khera, District- Aligarh, U.P. M/s Sangwan Landco Pvt Ltd. File No.- 3853

The committee noted that the matter was earlier discussed in SEAC meeting dated 29-12-2017 wherein the project proponent was directed to submit following information:

1. Approved building plan with services.
2. Pillar coordinates of the project site.
3. Total cost of the project. Corporate Social Responsibility (CSR) plan along with budgetary provision amounting to 2% shall be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority.
4. Copy of land allotment letter from the competent authority.

The project proponent submitted their replies through letter dated 02/02/2018. A presentation was made by Shri Narendra Kumar, representative of project proponent along with their consultant M/s GRC India Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The Environmental Clearance is sought for M/s Sangwan Landco Pvt. Ltd. proposes an Affordable Housing Project under the Pradhan Mantri Awas Yojna (formerly Samajwadi Awas Yojna) at Khasra No. 250, 263, 251, 259, 249 M & 265, Village Mahua Khera, Aligarh, Uttar Pradesh.
- 2- The total plot area measures 5.345 acre (21,635 sqm) and estimated built-up area is 30,133.59 m².
- 3- Detailed Area Statement

S. No.	Particulars	Area (m ²)
1.	Plot Area	21,635
2.	Permissible Ground Coverage (@50%)	10,817.5
3.	Proposed Ground Coverage (@29.44%)	6370.27
4.	Permissible FAR (@150%)	27,585
5.	Proposed FAR (@138.47%)	25,668.52
6.	Convenient Shopping (@0.47% of Proposed FAR)	130.31
7.	Non-FAR Area (Towers, Commercial, Guard Room, Transformer, Pump Rooms, etc)	4,334.76
8.	Built up Area (5 + 6 + 7)	30,133.59
9.	Required Green Area (@15%)	3245.25
10.	Proposed Green Area (@15.01%)	3248.93
11.	Number of Dwelling Units	456
12.	Maximum Height of the building (m)	12.45

4- salient features of project:-

PROJECT FEATURES	DESCRIPTION
Estimated Population	2670 persons (fixed + floating)
Project Cost	INR 67.118 Crore
Water Requirement	336.5 KLD (Fresh water = 222 KLD)
Wastewater Generation	273.5 KLD
Power Demand	1219 kVA
Power Back-up	400 kVA
Source of Power	Uttar Pradesh State Electricity Board (UPSEB)
Rain Water Harvesting Pits	04
Solid Waste	1239 kg/day
Parking Facilities Required	128 ECS + 368 two wheeler parking
Proposed	129 ECS + 368 two wheeler parking

5- population break-up:-

S. No.	Description	Dwelling units	Norms	Total Population
1.	Residents	456	5 persons/DU	2280
2.	Maintenance Staff	@ 5% of residents		114
3.	Visitors	@ 10% of residents		228
4.	Convenient Shopping	@ 1 person/6 m ² FAR		48
	• Staff	@ 20%		10
	• Visitors	@ 80%		38
TOTAL POPULATION				2670

6- water requirement calculation:-

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Water Requirement (KLD)
A.	Domestic Water			
1)	Residents	2280	135	308
2)	Maintenance Staff	114	45	5
3)	Visitors	228	15	3.5
4)	Convenient Shopping			
	• Staff	10	45	0.5
	• Visitors	38	15	0.5
Total Domestic Water				317.5 KLD
B.	Horticulture (3248.93 m ²)		6 l/sqm/day	19
Grand Total Water (A+B) = 336.5 KLD				

7- solid waste generation:-

S. No.	Description	Norms (kg/capita/day)	Waste generated (kg/day)
1.	Domestic Waste:		
	• Residents (2280)	@ 0.5	1140
	• Total Staff (124)	@ 0.25	31
	• Total Visitors (266)	@ 0.15	40
2.	Landscape waste (0.802 acre)	@ 0.2 kg/acre/day	0.16
3.	STP sludge		28
	TOTAL SOLID WASTE		1239 kg/day

8- Parking details :-

PARTICULARS	PARKING REQUIRED
AS PER BYE LAWS:	
Flats below 50 sqm	= One 2 two wheeler/flat = 2 x 184 = 368 two wheeler parking
Flats between 50-70 sqm	= 2 flats / ECS = 256/2 = 128 ECS
Total Parking Required as per bye laws	128 ECS + 368 two wheeler parking

9- Rain water harvesting

Type of Area	Area (m ²)	Coefficient of run-off	Peak rainfall intensity during one hour of rainfall (m)	Rain water harvesting potential (m3/hr)
Roof-top area	6370.27	0.8	0.050	254.810
Green Area	3248.93	0.2	0.050	32.489
Paved Area	12,015.8	0.7	0.050	420.553
Considering 15 minutes retention time, total storm water will become				176.963
Taking size of the recharge pit as 3 m, 5 m and 3 m respectively, volume of single recharge pit will be				45 m3
Hence no. of pits required				176.963/45 = 3.93 Say 4 pits
No. of RWH pits proposed				4

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

Resolution against agenda no-1

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

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy.
2. 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.
3. 15% area of the total plot area shall be compulsorily made available for the green belt development including the peripheral green belt. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. 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.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. 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.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
11. 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.
12. 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.
13. 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.
14. Bio medical waste management shall be followed as per the Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal.
15. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
16. Corporate Social Responsibility (CSR) phase wise plan along with budgetary provision amounting to 2% of the total 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. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
17. No parking shall be allowed outside the project boundary.

18. 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.
19. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
20. For any extraction of ground water, prior permission from CGWB shall be taken.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. The green belt 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 Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
27. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
28. 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.
29. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
30. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
31. RWH to be done only from roof top. Arrangement shall be made that waste water and storm water do not get mixed.
32. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
33. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
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.

2. Group Housing Project “Amaatra Homes” located at Plot No-GH-2C, Sector-10, Tehsil- Greater Noida, District- Gautam Buddha Nagar, Sri Bharat Kalra, M/s Nandi Infratech Pvt. Ltd. File No.- 2914

The committee noted that the matter was earlier discussed in SEAC meeting 08/02/2018 wherein the project proponent was directed to submit following information:

The committee discussed the matter and directed the project proponent to submit information as per the queries raised in SEAC meeting dated 09-01-2016. Submitted information is not satisfactory.

The matter will be discussed only after submission of online information on aforesaid queries on prescribed portal.

The project proponent submitted their replies through letter dated 19/02/2018. A presentation was made by Shri Ankit Sachdeva, representative of project proponent along with their consultant M/s Ascenso Environ 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 Group Housing Project “AMAATRA HOMES” At Plot No.GH-2C, Sector-10, Greater Noida, Uttar Pradesh . M/S Nandi Infratech PVT. LTD.
- 2.A total of five towers (B,C,D,F and G) were proposed for which Environment Clearance has been obtained on 12th October 2013 vide reference number 1936/Parya/SEAC /1683 /2013 / AA(S).
- 3.No construction work has begun on newly proposed towers namely, A, E, H, I and J
4. **Construction status of these towers are as under:**

Name of Tower	Number of floors	Current status of construction
Tower B	S+21	1 st floor constructed
Tower C	S+21	1 st to 3 rd floor constructed
Tower D	S+21	1 st to 7 th floor constructed
Tower F	S+21	1 st to 15 th floor constructed
Tower G	S+21	1 st to 13 th floor constructed

5.INFRASTRUCTURAL DETAILS

Name and Location of the Project	Expansion of Group Housing project “Amaatra Homes” at Plot No-GH-2C, Sector-10, G.Noida, U.P
Developers of the project	M/s Nandi Infratech Pvt.Ltd.
Total Plot Area	20,300 sq. m. (total) (19,335 sq.m.: existing, 965 sq.m.:expansion)
Built-up Area	1,09,382.251 sq. m. (total) (97755.56 sq.m: existing, 11626.7 sq.m.: expansion)
Total Water Consumption	715 KLD (total) (284 KLD: existing, 431 KLD :expansion)
Total Freshwater Requirement	476 KLD (total) (187 KLD: existing, 289 KLD: expansion) Source: Municipal Supply
Power Requirement	3570.9 KVA.(total) (3062.5 KVA: existing, 508.4 KVA: expansion) Source: Paschimanchal Vidut Vitran Nigam Limited
Power Backup	4 DG sets of total capacity of 750 kVA
Total Parking provided	891 ECS
Solid Waste to be Generated	3599.35 kg / day (total) (1585.95 kg/day: existing, 2162.9 kg/day: expansion)

No. of RWH Pits	3 RWH Pits
Height of building	82 meters

6. LAND USE DETAILS

S. No.	Particulars	Area in Sq.m.	In Percentage
1.	Plot Area	20,300	--
2.	Achieved Ground Coverage	4637.14	22.84% of Plot Area
	Residential	3491.73	17.2% of plot area
	Community	435.41	2.14% of plot area
	Commercial	710	3.49% of plot area
3.	Landscape Area	8034	39.57% of Plot Area
	Green Belt	4060	20% of plot Area
	Lawns	3972.71	19.57 % of plot Area
4.	Road Area	7612.5	37.5% of Plot Area

7. DETAILED AREA STATEMENT

S. No.	Particulars	Area in Sq.m.			
		Existing	Expansion	Total	In percentage (%)
1	Total Plot Area	19,335.000	965	20300.000	---
2.	Permissible Ground Coverage	6767.25	337.75	7105	35 % of plot area
(a)					
(b)	Achieved Ground Coverage	3461.205	1175.941	4637.14	22.84% of plot area
3.	Permissible FAR (@2.75)	53171.250	2653.750	55825.00	275% of plot area
(a)					
(b)	Purchasable FAR(@.75)	.....	15225	15225.00	75 % of plot area
(c)	Total permissible FAR (@ 3.5)			71050.00	350 % of plot area
(d)	Permissible 15 % Services Area of FAR	7975.688	2,679.858	10655.54	15% of permissible FAR
(e)	Community Centre FAR	435.41	....	...	...
(f)	Commercial area FAR	528	182.5	710.5	...
4.	Proposed FAR	51153.300	19894.106	71047.40	3.49 of plot area
(a)					
(b)	Proposed additional FAR	5548.568	22329.185	27877.75	1.3 of plot area
5	Total NON FAR Area	41,053.69	- 13,376.983	27676.70	1.3 of plot area
6	Basement Floor Area-1 and 2	31,831.42	- 15,029.214	16802.20	60.7 % of Non FAR
7	Stilt Area	2,462.016	102.034	2564.05	9.26 % of Non FAR
8	Podium Area	6,760.253	1,550.197	8310.45	30.02% of Non FAR
9	Builtup Area (FAR+Non-FAR)	97755.56	11,626.7	109382.25	...
10	Total Open Area (Plot Area-Ground Coverage)	15873.795	-210.94	15662.85	77.15% of plot area
11	Required Green Area	7936.898	-105.471	7831.42	38.57% of plot area
12	Proposed Green Area	8034.999	-186.9990	7848.00	38.66% of plot area

8. DETAILS OF BUILDING BLOCKS

Existing			Expansion			Total
Name of tower	Number of floors	Number of Dwelling Units	Name of tower	Number of floors	Number of Dwelling Units	Number of dwelling units

Tower-A	---	---	Tower-A	S+24	96	96
Tower-B	S+21	152	Tower-B	S+24	94	246
Tower-C	S+21	82	Tower-C	S+24	94	176
Tower-D	S+21	82	Tower-D	S+24	96	178
Tower-E	---	---	Tower-E	S+23	92	92
Tower-F	S+21	152	Tower-F	S+23	92	244
Tower-G	S+21	152	Tower-G	S+24	94	246
Tower-H	---	---	Tower-H	S+24	94	94
Tower-I	---	---	Tower-I	S+24	94	94
Tower-J	---	---	Tower-J	S+24	96	96
Total		620			942	1562

9. POPULATION DETAILS

Population Calculation	Existing		Expansion		Total
Total Dwelling unit provided (Nos.)	620		942		1562
Population @ 4.5 persons/du	2790	persons	4239	persons	7029
Visitors Population@10% of main population	279	persons	423.9	persons	702.9
Community area @ 1 person/1.5 sq.m of FAR	290	persons	290	persons	580
Commercial @1 person /3 sq.m of FAR	176	persons	236.8	persons	412.8
Total Population	3535	persons	5189	persons	8724

10. WATER CALCULATION (EXISTING + EXPANSION)

Description	Existing	Expansion	Total
Residential	239.94	364.55	604.49
Club House/Community	4.35	4.35	8.7
Commercial	7.92	10.65	18.57
Horticulture	8.03	23.54	31.58
DG cooling	16.2	16.2	32.4
Swimming Pool	3.36	5.00	8.36
Visitors	4.19	6.36	10.54
Total	283.98	430.65	714.64

11. WATER CALCULATION (EXISTING + EXPANSION=TOTAL)

S. No	Description	Unit Population	Area	Population	Unit water consumption (litres)	Total water required (kld)	Water requirement for domestic use (kld)	Flushing / Recycled water (kld)
1	Residential		....	7029	86	604.49	456.8	147.6
2	Visitors	....	....	702.9	15	10.54	5.4	5.0
3	Club House/Community	....	....	580	15	8.70	4.3	4.3
4	Commercial	....	....	412.83	45	18.57	9.7	8.8
5	Horticulture	....	11102.1	....	4	31.58	.....	....

			2					
6	DG cooling	3000	6000.00		0.9lit /kva*6	32.40	....	....
7	Swimming Pool					8.36		
	TOTAL	....	....	8724.73	....	714.64	476.46	165.84
						say 714	say 476	say 166

12. WASTE WATER GENERATION (TOTAL)

Details	Water (KLD)
Water requirement for domestic purpose	476
Wastewater generated from domestic use (@ 80% of domestic water requirement)	381
Water requirement for Flushing Purpose	166
Wastewater generated from Flushing (@ 100% of flushing requirement)	166
Total Wastewater generated	381+166=547

13. RWH PITS CALCULATION AND PROVISION

S.No.	Type of Surface	Catchment Area (m ²)	Runoff Coefficient	Intensity of Rainfall (mm/hr)	Intensity of Rainfall (m/hr)	Runoff (m ³ /hr)
1.	Total Roof /Terrace Area	4637.146	0.8	11	0.011	40.81
	Total Runoff (m ³ /hr)					40.81
	. Diameter of the Pit	Depth of the Pit	Volume of the Pit	Runoff in 15 minutes	No. of pits required	No. of pits proposed
	2.5 m	3 m	14.72 m ³	30.64	2.1	3

14. PARKING DETAIL

Parking Calculation	Existing	Expansion	Total
Residential ECS required @ 1ECS/80sq.m	639.41	248.67	888.09
Total ECS required	639.41	248.67	888.12
Say	639	249	888
Proposed Stilts area	2462.01	102.34	2564.05
Proposed ECS is stilts @1 ECS /30 sqm.	82	3.41	85.46
Say	82	3	85
Proposed Podium area	6760.25	1550.19	8310.45
Proposed ECS in Podium @ 1 ECS/30 Sqm.	225	51.67	277.01
Say	225	52	277
Proposed Upper Basement Parking Area	14063.85	1819.71	15883.56
Proposed ECS in Basement @ 1 ECS/30sq.m	469	60.65	529.45
Say	469.000	60	529
Proposed Lower Basement Parking Area	14400.45		....
Proposed ECS in Basement @ 1 ECS/30sq.m	480		....
Total ECS provided	1256.21		891
Say	1256		891

15. POWER REQUIREMENT AND ITS SOURCE

Power Requirement	3570.9 KVA
Power Backup	4 DG sets of total capacity of 750 KVA

Source	Paschimanchal Vidut Vitran Nigam Limited. (PVVNL)
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16. SOLID WASTE CALCULATION (EXISTING)

S.No.	Category of Solid Waste	Waste Generation Rate	Formula	Total Population	Waste Generated (kg/day)
1	Residential Refuse(Residents+visitors)	0.3 to 0.6 kg/cap/day	Total Population*0.45	3069	1381.05
2	Club House	0.05 to 0.2 kg/cap/day	Total Population*0.1	290	29
3	Commercial	0.1 to 0.2 kg/cap/day	Total Population*0.1	176	175.9
	Total				1585.95

17. SOLID WASTE CALCULATION (EXPANSION)

S.No.	Category of Solid Waste	Waste Generation Rate	Formula	Total Population	Waste Generated (kg/day)
1	Residential Refuse(Residents+visitors)	0.3 to 0.6 kg/cap/day	Total Population*0.45	4663	2098.35
2	Community area	0.05 to 0.2 kg/cap/day	Total Population*0.1	290	29
3	Commercial	0.1 to 0.2 kg/cap/day	Total Population*0.1	237	35.55
	Total				2162.9

18. SOLID WASTE CALCULATION (TOTAL)

S.No.	Category of Solid Waste	Waste Generation Rate	Formula	Total Population	Waste Generated (kg/day)
1	Residential Refuse(Residents+visitors)	0.3 to 0.6 kg/cap/day	Total Population*0.45	7732	3479.4
2	Community area	0.05 to 0.2 kg/cap/day	Total Population*0.1	580	58
3	Commercial	0.1 to 0.2 kg/cap/day	Total Population*0.1	413	61.95
	Total				3599.35

19. The project proposal are covered under category 8"a" of EIA Notification, 2006.

Resolution against agenda no-02

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

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy.
2. 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.
3. 15% area of the total plot area shall be compulsorily made available for the green belt development including the peripheral green belt. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.

4. 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.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. 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.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
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22. 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.
 23. 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.
 24. 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.
 25. 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.
 26. The green belt 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 Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
 27. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 28. 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.
 29. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
 30. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
 31. RWH to be done only from root top. Arrangement shall be made that waste water and storm water do not get mixed.
 32. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
 33. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
 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.
- 3. Tannery Project (Unit-2) at F-68, 69, UPSIDC Industrial Area, Site-2, Dahi Chauki, District-Unnao- Sri Zeeshan Alam, File No.- 3329**

The committee noted that the consultant is not QCI accredited. As per Notification S.O. 1533 dated 14/09/2006 (as mended thereof) clause -13 State that:

“...The Environmental consultant organizations which are accredited for a particular sector and the category of project for that sector with the Quality Council of India (QCI) or National Accreditation Board for Education and Training (NABET) or any other agency as may be notified by the Ministry of Environment, Forest and Climate Change from time to time shall be allowed to prepare the Environmental Impact Assessment report and Environmental Management Plan of a project in that sector and category and to appear before the concerned Expert Appraisal Committee (EAC) or the State Expert Appraisal Committee (SEAC). The

Ministry will also prepare a panel of national level reputed educational and research institutions to work as Environmental Consultant Organizations.”

However, the Hon’ble Supreme Court of India has passed a stay order in the writ petition case no- T.P. (C) no- point 001682 -001722/2014 registered on 27-11-2014.

The committee discussed the matter in light of writ petition of 1687/2014 case status. A presentation was made by project proponent along with their consultant M/s Prakriti Consultants Services, Lucknow. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for leather processing unit, plot no: F-68,69, U.P.S.I.D.C Industrial Area, Site-2, Dahi Chauki, Banthar , Unnao, U.P M/s Model Tanners, Unit-II.
- 2- Project Details:-

1.Project Name:	M/s Model Tanners, Unit II
2.Project Location:	PLOT NO: F-68,69, at U.P.S.I.D.C Industrial Area, Site-2, Dahi Chauki, Unnao, U.P
3.Production:	Wet Blue to Finished leather
4.Proposed Capacity:	45 Tonns or 45000 kg/day (1800Hides/day, depending on thickness)
5.Total Plot Area	5343.60 sqm
6.Green Belt	1783 sqm (33 % of Total Plot area).
7.Partner of Company:	Mr. Zishaan Alam
8.Registered Address of Company	60-A, Jajmau, Kanpur ,Uttar Pradesh

- 3- Total waste water generated is 552 KLD
- 4- Proposed ETP Capacity: 500 KLD
- 5- The TSS will be less than 100 mg/l, pH 6.5-9.5, Chromium less than 2.0 mg/l
- 6- Water Demand Of Project

Water requirement in Process	Minimum	Maximum	Unit
Wet blue to finish leather	8	12	l/kg

- 7- Total hides to be processed: 45000 kg / day (From Wet to finish cycle)
- 8- Water consumption for process activities: 12lts per Kg of Hide = 552 KLD
- 9- Water calculation

S. No	Purpose	Consumption rate	Usage	Total Water requirement (KLD)	Approx Waste water generation (KLD)
1	Process	@ 10 lts per Kg hide	To process 45000kg hides	540	432
2	Boiler (3 TPH)	2.5 KLD	Boiler feed water	2.5	2
3	Staff	@45 lts. Per capita	100 person	4.5	6.4
4.	Visitors	@ 15 lts. Per capita	10	2	

5.	Gardening	1 l/sqm	783 sqm	1.5	
6.	Cooling	0.9 l/KVA @ 8hrs	2*400 KVA	1.5	1.2
				552 KLD	442 KLD

10- 550 KVA for continuous supply of electricity to the industry.

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

Resolution against agenda no- 3

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

Additional TORs

1. Source of data of treated effluent should be mentioned.
2. Mentioned of the technology to be adopted in waste water treatment.
3. Executive Summary.
4. Introduction:
 - a. Details of the EIA Consultant including NABET accreditation
 - b. Information about the project proponent
 - c. Importance and benefits of the project
5. 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 Iexisting 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.
6. 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
7. 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.

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

9. Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed

- standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
 - vi. Measures for fugitive emission control
 - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - ix. Action plan for the green belt development plan in 33% area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - i. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - ii. Action plan for post-project environmental monitoring shall be submitted.
 - iii. 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.
10. 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.
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. 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.

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.
15. 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.).
16. 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.
17. In case of chrome tanning, details of the chrome recovery plant, management of shavings/solid waste including safe disposal.
18. 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.

4. “Mega Leather Cluster” located at Village- Kuraina Bahadurnagar & Senpurab Para Near Ramaipur, District-Kanpur, U.P. Sri Ashraf Rizwan, Director, C/o Sultan Tanners, Jajmau, Kanpur, U.P. File No.- 2070

The SEAC observed that the matter was considered in the 301st SEAC meeting dated 26/12/2016 wherein the SEAC noted that the SEIAA in its meeting dated 26/08/2016 considered the matter and directed the project proponent to make a presentation before the SEIAA along with their consultant before the SEIAA regarding the zero liquid discharge proposed in the proposal to take necessary action.

In this regard, the project proponent made presentation along with their consultant before the SEIAA. The SEIAA gone through the project proponent presentation and observed that the project proponent has not presented the details of the zero liquid discharge which is essential for the cluster of Industries, particularly for the leather industries. The SEIAA noted that regarding the zero liquid discharge, the discussion is going on at the level of Hon’ble NGT, CPCB & Govt. of India. In this regard, the SEIAA is of the view that the project proponent should submit the details of the zero liquid discharge for the proposal.

The SEIAA also observed that the project proponent informed that the effluent from ETP will be mixed to the treated sewerage of U.P. Jal Nigam for dilution purpose. Such dilution from treated sewerage from U.P. Jal Nigam with effluents of ETP of proposal is not acceptable to the SEIAA, because project proponent has not submitted the details and quality of discharge of ETP. The SEIAA is of the view that there is no legal system by which the project proponent or U.P. Jal Nigam will monitor the quality of waste water discharge after the mixing/ dilution. The project proponent have to submit the details and quality of the discharge of ETP proposed in the proposal as well as final discharge of waste water separately. The SEIAA is also of the opinion that CPCB, Govt. of India has also not approved such type of treatment process. The SEIAA directed the project proponent to submit the hazardous waste management system for at least 25 year time period complying the guidelines of Govt. of India regarding the same.

The SEIAA directed the Project proponent to submit the above information to the SEAC and the SEAC recommendation shall be considered by the SEIAA. In this regard, the matter was considered in the SEAC meeting dated 26-11-2016. A presentation was made by Shri Ashraj Rizwan, of project proponent along with their consultant M/s Perfact Enviro Solutions Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for “MEGA LEATHER CLUSTER” At Village Kurauna Bahadur Nagar & Village Senpurab Para, Ramaipur, Kanpur District, U.P.
2. Proposed Industrial Estate “Mega Leather Cluster” will be developed at Villages Kurauna Bahadur Nagar & Senpurab Para near Ramaipur District, Kanpur Nagar District, U.P. on land admeasuring 708202.78 sqm (175 acres) land having 138 tannery units. The units proposed to be set up would house tanners as well as finished leather product manufacturers.
3. Some leading Tannery Owners have formed the SPV “Leather Cluster Development Limited” with an objective of setting up of the Mega Leather Cluster under the “Scheme for Setting up of Mega Leather Clusters” under the Integrated Leather Development Programme (ILDP) of Ministry of Commerce and Industry (MoCI), Department of Industrial Policy and Promotion (DIPP), Government of India (GoI).

4. The land has been allotted by U.P.S.I.D.C. The land will be allotted to SPV “M/s Mega Leather Cluster Development (U.P.) Ltd.” by UPSIDC for setting up of the Park under the Mega Leather Cluster scheme of DIPP. The area is in a proposed new industrial estate. The allotment of land to the SPV by UPSIDC is under progress.
5. The plots shall be of two categories with size ranging from 2000 sqm to 4000 sqm with total 138 units. Total Proposed capacity for 138 Tannery Units: 73, 71,000 Hides/Skins per annum i.e. 561.6 TPD.
6. The project falls under category B of schedule 7 (c) as per the EIA Notification dated 14th September 2006.
7. The Terms of Reference (TOR) for the proposed Leather clusters vide Reference No. 337/Parya./2070/SEAC/2013/OSD-T Dated 19 May, 2014 was issued & EIA Report with compliance of TOR was submitted to the SEAC on 28th May, 2014.
8. The case was appraised in 183rd meeting held on 27th June, 2014 in SEAC, U.P. Subsequently, few queries were raised vide minutes of meeting for which the reply along with revised EIA report was submitted in SEAC, U.P. on 14-08-2014.
9. Then the case was appraised for reconsideration on 193rd SEAC meeting held on 7th Oct., 2014. The reply for the minutes of meeting was submitted in SEAC & SEIAA, U.P. on 02-02-15.
10. Then, the case was appraised for reconsideration in SEAC 204th meeting held on 21-02-2015. The reply of the Letter which was made available to us during the meeting was submitted in SEAC on 23-02-15 & again on 13-05-15.
11. Then, the case was appraised in SEAC 254th meeting held on 09-01-2016 and the replies of the queries raised were submitted in SEAC, U.P.
12. Then, the case was appraised in SEAC 258th meeting held on 15-02-2016 and the replies of the queries raised were submitted in SEAC, U.P. on 09-06-16.
13. Then, the case was appraised in 275th SEAC Meeting held on 17-06-2016 and the case was recommended to SEIAA for Environmental Clearance.
14. Then, the case was appraised in 275th SEAC Meeting held on 17-06-2016 and the case was recommended to SEIAA for Environmental Clearance.
15. Then, the case was appraised in 165th SEIAA Meeting held on 18-07-2016 and the replies of the queries raised were submitted in SEIAA, U.P. on 08-08-16.
16. Then, the case was appraised in 167th SEIAA Meeting held on 26-08-2016 and the SEIAA directed the proponent to make a presentation before SEIAA regarding the Zero Liquid Discharge proposed in the proposal.
17. Then the case was appraised in 168th SEIAA Meeting held on 14.09.2016 and the replies of the queries raised were submitted in SEIAA & SEAC, U.P. on 21-11-16. .
18. As per due consideration of SEIAA suggestion the project proponent has informed that “we have done certain changes in leather processing technology by adopting low Salt Usage technology and Water Less Chrome Tanning Technology approved by CLRI (Central Leather Research Institute). This will reduce the waste water generation and also the TDS & chrome reduction in waste water. Thus, the pollution load on environment will be decreased.”
19. Revised Leather Processing Technology, Revised Water Management, Water Balance & Waste Water Treatment Scheme, Revised Characteristics of effluent, CETP discharge to STP discharge of UP Jal Nigam and the hazardous waste management plan for 25 years is discussed in next slides.

20. Now, the case is being appraised in SEAC Meeting being held on 26.12.2016

21. Brief Description Of The Project :-

Particulars	Details
Capacity	7371000 Hides/Skins per annum i.e. 561.6 TPD
Estimated Project Cost	Rs. 2717 Crores
Total Employees	4800
Rehabilitation of Local Inhabitants	Not applicable
Total no. of tannery units	138 Units (The plots shall be of two categories : Plot type 1 (4000 sq.m) – 30 Units Plot type 2 (2000 sq.m) – 108 Units
Power Requirement	15750 KW (Plot type I – 4950 KW, Plot type II – 10800 KW)
Power back up	-1 no. of 62.5 KVA for each leather industry unit. -DG sets of capacity 2 x 250 KVA which shall be installed for emergency use during power failure for common services.
Boiler capacity	3 TPH for each leather industry unit.
Total water requirement	17576 KLD (fresh water requirement - 17212 KLD & Treated water reuse - 364 KLD)
Total Waste-water discharge	15534 KLD
Parking provision	3360

22. Present Land-Use of the area is Vacant Land Break-up of total Land Area :-

Land Use	Area in sq. m.	Area in Acres	%
Area Under Plots	290363.14	71.75	41.0
Road & Parking area	139303.49	34.42	19.67
Green Spaces	149430.79	36.93	21.10
Utilities & Amenities	27053.35	6.69	3.82
Common Facilities	102052.02	25.22	14.41
Total Area	708202.78 sq. m.	175 acres	100.00

23. PROPOSED CAPACITY

Type of Plot	Hides/Skins per day per industry	No. of industries	Hides/Skins per day	Hides/Skins weight in Kg per day	Hides/Skins weight in Tons per day
Plot type 1 (4000 sq.m)	240	30	7200	172800	172.8
Plot type 2 (2000 sq.m)	150	108	16200	388800	388.8
Total	390	138	23400	561600	561.6

24. Total Proposed capacity for 138 Tannery Units: 7371000 Hides/Skins per annum i.e. 561.6 TPD

25. Revised Leather Processing- Benefits:-

- There will less use of salts during the leather processing.
- There will be a complete elimination of water input for chrome tanning and thus reduction in water usage by adopting Water Less Chrome Tanning Technology.
- There will be no discharge of waste water from chrome tanning and thus reduction in waste water volume
- There will be elimination of intermediate process of pickling & Basification/Neutralization process
- There will be reduction in chemical usage. No additional new chemical is required in the process
- Its suitable for both hides & skins
- There will be no need of chrome recovery unit.
- In the proposed Leather Cluster by adopting waterless chrome tanning & low salt technology, the total water requirement shall be reduced from 20821 KLD to 17576 KLD, the process water requirement shall be reduced from 20218 KLD to 17576 KLD and process waste water generation shall be reduced from 18196 KLD to 15276 KLD.
- The Excess Treated water disposed off in the STP (210 MLD), Bingawa-kanpur, U.P shall be reduced from 13710 KLD to 13379 KLD.
- There will be high chrome content in leather and ZERO Cr. content in waste water generated.
- The TDS content in waste water generated shall be reduced.
- CETP Sludge generation shall be reduced from Approx. 29117 kg/day to 23000 kg/day.

26. Process Water Consumption :-

Raw to tanning	Volume of effluent generated (in lt.) per tonne of raw material	Volume of effluent generated per day @ 561.6 t/d, Lt	Volume of effluent generated per day @ 561.6 t/d, KL
Soaking	1900	1067040	1067
Liming	3600	2021760	2022
Fleshing	3000	1684800	1685
Washing	3900	2190240	2190
Deliming	3800	2134080	2134
Washing	3300	1853280	1853
Chrome tanning	0	0	0
Retanning, dyeing fatliquoring	4500	2527200	2527
Finishing	3200	1797120	1797
Total effluent generation	27200	15275520	15276

27. Water Management :-

Usage	Population	Factor in LPCD	Total requirement Water in KLD	Waste Water Discharge in KLD
Domestic				
Staff	4800	45	216	
Visitor	1500	15	23	

Sub-Total			239	191
Process				
Water use in Type-1			5222	4700
Water use in Type-2			11751	10576
Sub-Total			16973	15276
Gardening			95	Nil
D.G. cooling			39	2
Water Body			100	Nil
Misc			130	65
Total	6300		17576 KLD	15534 KLD

28. Waste Water Management Scheme (Zld) :-

- Total waste water of 15534 KLD shall be generated, out of which total Process waste water generated from the proposed Leather Cluster will be approx. 15276 KLD and other waste from domestic, DG cooling and misc use will be 258 KLD. Water Less Chrome Tanning Shall be adopted.
- Each tannery unit within the cluster will be directed to discharge the waste water separately at the utility area into two categories namely Soaking waste water having high TDS & other general waste water.
- Apart from segregation of waste water at individual units, there will be provision of one day storage of waste water in CETP of 17360 KLD.
- The total high TDS waste water shall be collected from each unit at CETP in a separate tank and then pumped into the pond. The pond will have spraying system for faster evaporation. The salt received from it shall be reused.

29. Pond/Tank Size :-

- Volume of Waste water = 1067 KLD = 1067 cu m
- Evaporation Time: 7 days
- Total Volume of waste water = 7469 cum
- No. of tanks provided: 7 No.
- Size of each tank = 18 m x 20 m x 3 m
- The general waste water shall also be treated in CETP.
- 364 KLD of treated water shall be reused in DG cooling, gardening, water body and misc purposes.
- Excess Treated water 13379 KLD shall be disposed off in the STP (210 MLD), Bingawa-kanpur, U.P. Agreement with U.P. Jal Nigam for permission to discharge treated water generated from the units in proposed Mega Leather Cluster in the STP (210 MLD), Bingawa-kanpur, U.P. has been done.
- All the waste water will be treated within the cluster. No waste water directly or indirectly will be discharged outside the cluster.
- Online monitoring system will be installed at outlet of CETP.
- There will be no by-pass of any type of effluents or omission or leakage in primary treatment inside tanneries and hence, there will be no increase in the pollution load.
- In proposed leather cluster an agreement among the individual tannery owners and SPV shall be made to discharge the waste water separately at the utility area into two categories namely Soaking waste water having high TDS & other general waste water.

- In the proposed leather cluster proper care shall be taken for operation and maintenance of waste water treatment as prescribed.. However, for any eventually discharge, responsible Authority will be M/s Mega Leather Cluster Development (U.P.) Limited.
- **Excess Treated Water** Excess Treated water 13379 KLD shall be disposed off in the STP (210 MLD), Bingawa-kanpur, U.P. Agreement with U.P. Jal Nigam for permission to discharge treated water generated from the units in proposed Mega Leather Cluster in the STP (210 MLD), Bingawa-kanpur, U.P. has been done.
- **Salt received from high TDS waste water treatment:** The salt received from it shall be reused.
- **CETP Sludge:** Approx. 23000 kg/day of CETP Sludge shall be generated. CETP Sludge shall be stored within the project site as per CPCB/MOEF guidelines and shall be given to brick manufacturer for reuse.
- **Used Oil:** Approx. 14.6 Lt/day of Used oil from machineries/D.G. Set will be carefully stored in HDPE drums in isolated covered facility. The used oil will be sold to vendors authorized by Central Pollution Control Board for the treatment of the same. Suitable care will be taken so that spills / leaks of used oil from storage could be avoided.
- **CETP Sludge:** Approx. 23000 kg/day CETP sludge shall be generated. The supernatant from CRU outlet will have less than 40 mg/l concentration of total chromium & supernatant from CETP outlet will have less than 2.0 mg/l concentration of total chromium. CETP Sludge shall be stored within the project site as per CPCB/MOEF guidelines and shall be given to brick manufacturer for reuse.

30. Area Requirement Calculation For CETP Sludge Storage :-

- Quantity of Waste to be handled per day = 23 tons/day
= 12.77 cum
(Assuming Density of waste as 1.8 tons/cum)
- Quantity of Waste to be handled for 25 years = 95775 cum
- Hence, assuming 3 m height, the area requirement for storage of CETP sludge = 31925 sqm
= 7.9 acre approx.

The committee discussed the replies and recommended grant of environmental clearance along with following general and specific conditions:

SPECIFIC CONDITIONS:

- 1- Online water analysis monitoring equipment should be installed at the influent and the effluent point of the ETP.
- 2- Any order (judiciary) and CPCB passed should be complied.
- 3- Approval of layout along with letter from sanctioning authority (UPSIDA) with stamped layout on maps to be submitted within a month. This EC will deemed to be cancelled if the project proponent fail to submit the approved map.
- 4- The proponent should submit an affidavit to comply all the orders of NGT/Hon'ble Supreme Court regarding the ZLD as an alternative waste handling technology.
- 5- All the maps and drawings should be signed by the architect.

- 6- Agreement between Mega leather cluster and UP Ganga Pollution Control Unit as made on 07/06/2016 has to be submitted with the undertaking that the project proponent comply with the conditions mentioned.
- 7- All service plan to be submitted within a month. Under this service plan electrical poles, water, waste water, sewer, storm water drainage, rain water harvesting, STP, external electrification be marked.
- 8- Industrial and storm water drains to be covered.
- 9- Submit undertaking that all development works will be executed as per UPSIDA bye-laws within a month.
- 10- It will be the responsibility of each industrial unit to earmark atleast 2% project cost for CSR activities.
- 11- The project authority shall install the complete treatment plant with zero liquid discharge prior to start of the project to achieve the standards prescribed by Uttar Pradesh Pollution Control Board.
- 12- Provision of Online monitoring before recycling of treated water should be made.
- 13- Chromium recovery plant shall be installed to recover the Chromium to the maximum extent as per standards and proper disposal of the Chromium bearing sludge should be ensured as per the Hazardous Waste (Management & Handling) Rules,1989 and as amended.
- 14- The site for Hazardous Waste disposal should be identified and earmarked. Information should be submitted to SEIAA.
- 15- To reduce the TDS concentration in the primary treated effluent, cleaner technologies as recommended in the EIA report e.g. dry salting for reduction of TDS in waste water, counter current soaking to reduce wastewater quantity, enzyme assisted liming process, combined pickling tanning process, pretreatment and segregation of wastes etc. shall be practiced and soak liquor shall be segregated and evaporated in the solar evaporation ponds.
- 16- The spent soak liquor containing high concentration of salt shall be discharged into the Solar Evaporation Pond (SEP).
- 17- Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the UP State Pollution Control Board. Regular effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation shall be submitted to the Regional office of this Ministry at Lucknow once in six months and to the UP State Pollution Control Board once in three months.
- 18- The company shall dispose off solid waste in the secured double lined landfill site. The flashings from the tannery shall be supplied to the manufacturers of dog chew and glue. Manufacturing approved by UPPCB.
- 19- Environment Corporate Responsibility (ECR) plan with budgetary provision of minimum 2% of project cost shall be prepared and submitted on need base assessment study in the study area. Details of CSR activities and list of beneficiaries with their mobile nos. also be submitted.
- 20- Location of fire hydrant as per provision in building bye-laws to be mentioned in layout plan and is to be submitted.
- 21- Cross section of the roads showing all services is to be submitted.

- 22- The tannery unit shall adopt recovery and reuse of chrome/Alutan BCS/closed-loop Alutan-BCS combined tanning process to ensure maximum chromium recovery and minimum chromium discharge in the effluent.
- 23- The project authorities shall develop 33% of the total area as green belt as per the guidelines of State Govt. to mitigate the effect of odour nuisance from the plant with peripheral green and tree plantation in road at 05 m.
- 24- The project authorities shall undertake environmental auditing on annual basis.
- 25- An adequate municipal waste treatment and disposal treatment facility shall be installed/ identified for the project.
- 26- Structural design duly weighted by IIT to be submitted within a month in the office of Directorate.
- 27- All bases and contender of hazardous chemicals to be used in the possess shall be toughly cleaned and disposal shall be in the accordance with law.
- 28- Adequate collection treatment and disposal facility for leachate shall be ensured prior to commissioning of the project.
- 29- The common facility must insure proper collection of process waste including metering of waste generated form tannery unit.
- 30- The total cost of the project is Rs. 2717.0 Cr. The CSR cost is Rs. 54.34 Cr. Details of CSR cost with phase wise, project wise development works along with list of beneficiaries and address is to be submitted with photographs.

B. GENERAL CONDITIONS:

- 1- The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- 2- All the effluent shall be properly treated and finally treated effluent shall meet the norms stipulated by the UP Pollution Control Board or under Environment (P) Rules 1986.
- 3- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 4- The locations of ambient air quality monitoring stations shall be installed in consultation with the State Pollution Control Board (SPCB) and in the downwind direction as well as where maximum ground level concentrations are anticipated.
- 5- Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems will be laid in accordance with Factories Act.
- 6- The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- 7- 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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- 8- The company shall develop rain water harvesting structures only from roof top to harvest the runoff water for recharge of ground water.
- 9- The company shall obtain permission from the State Ground water Authorities to draw the ground water. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
- 10- The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 11- The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.
- 12- A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 13- The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- 14- The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and posted on the website of the Company.
- 15- The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the SEIAA. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 16- The SEIAA/ MoEF may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 17- The SEIAA/MoEF reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 18- The above conditions will be enforced, inter-alia under the provisions of the Water(Prevention & Control of Pollution) Act,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

With the above recommendation the committee referred the case to SEIAA with compliance submitted by the Project proponent as directed by the SEIAA.

The SEAC also noted that the matter was considered in the SEIAA in its meeting dated 13/2/2017 wherein it was observed that the matter was earlier considered in the SEIAA in its meeting dated 14/9/2016 and the SEIAA had following observation regarding the project proposal –

- The project proponent should submit the details of the zero liquid discharge for the proposal.

- The project proponent informed that effluent from ETP will be mixed to the treated sewerage of U.P. Jal Nigam for dilution purpose. Such dilution from treated sewerage from U.P. Jal Nigam with effluents of ETP of proposal is not acceptable to the SEIAA, because project proponent has not submitted the details and quality of discharge of ETP.
- There is no legal system by which the project proponent or U.P. Jal Nigam will monitor the quality of waste water discharge after the mixing/dilution.
- The project proponent have to submit the details and quality of the discharge of ETP proposed in the proposal as well as the details and quality of the final discharge of waste water separately.
- The CPCB, Govt. of India has also not approved such type of treatment process.
- The project proponent had to submit the hazardous waste management system for at least 25 year time period complying the guidelines of Govt. of India.
- The SEIAA directed the Project proponent to submit the above information to the SEAC and the SEAC recommendation shall be considered by the SEIAA.

In light of the above direction of SEIAA the SEAC considered the matter in its meeting dated 26/12/2016. The SEIAA gone through the recommendation of the SEAC meeting dated 26/12/2016 regarding the matter and noted that observation of the SEIAA meeting dated 19/9/2016 as above has not been taken care of properly, which are essential in respect of environmental aspects, so that the SEIAA directed the SEAC to consider the matter again in light of above points and submit its recommendation to the SEIAA to take necessary action. The SEIAA also directed the project proponent to submit the required essential documents (Approval/agreements copy/affidavit) to the SEAC.

The SEAC noted that the matter was considered in the SEIAA in its meeting dated 13/2/2017 wherein above queries were raised. The committee discussed the matter and asked the project proponent to submit the following information:-

- 1- Para wise reply with supporting documents/ evidence of all the queries raised by the SEAC/SEIAA earlier meetings shall be submitted.
- 2- For the management of hazardous waste, specifically the oil waste and the ETP sludge, the storage facility proposed by the project proponent should be provided in details. The design details of the storage facility proposed should be submitted.

Consequently the case was considered in SEIAA meeting dated: 03-01-2018 wherein the SEIAA agreed with the recommendations of the SEAC that the project proponent is to be asked to submit information regarding the matter as suggested by the SEAC.

The Project proponent to submit the above information vide letter dated: 09-01-2018. Hence, the case was considered in SEAC meeting dated: 07-02-2018 wherein the committee discussed the matter and directed the project proponent to submit following information:

- 1- Details of proposed online monitoring including equipments should be provided.
- 2- Location and details of hazardous waste storage facilities for used waste oil sludge to be provided as per hazardous waste management rules, 2008.
- 3- The report of CLRI in support of the technology proposed for the reduction in pollution load as well as quantity of effluent to be submitted.

Consequently the case was considered in SEIAA meeting dated: 15-02-2018 wherein the SEIAA agreed with the recommendations of the SEAC that the project proponent is to be asked to submit information regarding the matter as suggested by the SEAC.

The Project proponent to submit the above information vide letter dated 27-02-2018. Hence, the case was considered in SEAC meeting dated: 05 -04-2018. A presentation was made by Shri Ashraj Rizwan, of project proponent along with their consultant M/s Perfect Enviro Solutions Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

The SEAC Meeting in its meeting held on 26.12.2016 recommended the project to SEIAA for Environmental Clearance. The SEAC noted that the SEIAA in its 173rd Meeting of SEIAA, U.P. on 13/2/2017 asked for certain details like

1. Proposal of zero liquid discharge
2. The project proponent informed the effluent from the CETP will be mixed to the treated sewerage of U.P. Jal Nigam for dilution purpose. Project proponent shall submit the details & quality of discharge of CETP.
3. There is no legal system by which the project proponent or U.P. Jal Nigam will monitor the quality of waste water discharge after the mixing/dilution.
4. The project proponent have to submit the details & quality of the discharge of ETP proposed in the proposal as well as the details & quality of the final discharge of waste water separately.
5. The CPCB, Govt. of India has also not approved such type of treatment process. 6. The project proponent had to submit the hazardous waste management system for at least 25 years' time period complying the guidelines of Govt. of India.

The SEIAA directed the Project proponent to submit the above information to the SEAC and the SEAC recommendation shall be considered by the SEIAA. In this regard, the matter was considered in the SEAC meeting dated 27/12/2017, 17-02-2018 & 05-04-2018. A presentation was made by Shri Ashraj Rizwan, of project proponent along with their consultant M/s Perfect Enviro Solutions Pvt. Ltd.

The SEAC in its meeting directed the proponent to resubmit detailed reply of queries raised by SEIAA and details of proposed online monitoring including equipment should be provided, Location and details of hazardous waste storage facilities for used waste oil sludge to be provided as per hazardous waste management rules, the report of CLRI in support of the technology proposed for the reduction in pollution load as well as quantity of effluent to be submitted.

The replies of all the queries raised by SEIAA & SEAC was submitted. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for "MEGA LEATHER CLUSTER" at Villages Kurauna Bahadur Nagar & Senpurab Para near Ramaipur District, Kanpur Nagar District, U.P.
2. Proposed Industrial Estate "Mega Leather Cluster" will be developed on land admeasuring 708202.78 sqm (175 acres) land having 138 tannery units. The units proposed to be set up would house tanners as well as finished leather product manufacturers.

3. The land has been allotted to SPV “M/s Mega Leather Cluster Development (U.P.) Ltd.” by UPSIDC for setting up of the Park under the Mega Leather Cluster scheme of DIPP. The plots shall be of two categories with size ranging from 4000 sqm to 2000 sqm with total 138 units. The green belt development area has been kept 149430.79 sqm (21.1% of the plot area).
4. Total Proposed capacity of processing of raw hides/skins for 138 Tannery Units: 7371000 Hides/Skins per annum i.e. 561.6 TPD. The project falls under category B of schedule 7 (c) as per the EIA Notification dated 14th September 2006.
5. Chronology of the project till date:
 - a) The Terms of Reference (TOR) for the proposed Leather clusters vide Reference No. 337/Parya./2070/SEAC/2013/OSD-T Dated 19 May, 2014 was issued & EIA Report with compliance of TOR was submitted to the SEAC on 28th May, 2014.
 - b) Our case was appraised in 183rd meeting held on 27th June, 2014 in SEAC, U.P. Subsequently, few queries were raised vide minutes of meeting for which the reply along with revised EIA report was submitted in SEAC, U.P. on 14-08-2014.
 - c) Then the case was appraised for reconsideration on 193rd SEAC meeting held on 7th Oct., 2014. The reply for the minutes of meeting was submitted in SEAC & SEIAA, U.P. on 02-02-15.
 - d) Then, the case was appraised for reconsideration in SEAC 204th meeting held on 21-02-2015. The reply of the Letter which was made available to us during the meeting was submitted in SEAC on 23-02-15 & again on 13-05-15.
 - e) Then, the case was appraised in SEAC 254th meeting held on 09-01-2016 and the reply of the queries raised were submitted in SEAC, U.P. on 12-02-16.
 - f) Then, the case was appraised in SEAC 258th meeting held on 15-02-2016 and the reply of the queries raised were submitted in SEAC, U.P. on 09-06-16.
 - g) Then, the case was appraised in 275th SEAC Meeting held on 17-06-2016 and upon the request of the project proponent the case is deferred to next SEAC meeting dated 18-06-2016.
 - h) Then, the case was appraised in 276th SEAC Meeting held on 18-06-2016 and the case was recommended to SEIAA for Environmental Clearance.
 - i) Then, the case was appraised in 165th SEIAA Meeting held on 18-07-2016 and the reply of the queries raised were submitted in SEIAA, U.P. on 08-08-16.
 - j) Then, the case was appraised in 167th SEIAA Meeting held on 26-08-2016.
 - k) Then our case was appraised in 168th SEIAA Meeting held on 14.09.2016 and the reply of the queries raised were submitted in SEIAA & SEAC, U.P. on 21-11-16.
 - l) Then, our case was appraised in SEAC Meeting being held on 26.12.2016 and was recommended to SEIAA for Environmental Clearance.
 - m) Then project was appraised in 173rd SEIAA, U.P. meeting dated 13/02/2017 & certain queries were raised for which the reply was submitted to SEIAA & SEAC on 20-02-17
 - n) Then, the case was reappraised in 305th SEAC Meeting being held on 27/12/2017 & 17-02-2018.
 - o) Then, the case was appraised for reconsideration in SEAC Meeting being held on 05.04.2018

Brief description of the project and details of revised technology as directed by SEIAA along with reply of the queries submitted are given below: -

1. Project Detail

Particulars	Details
Capacity	7371000 Hides/Skins per annum i.e. 561.6 TPD
Estimated Project Cost	Rs. 2717 Crores
Total Employees	4800
Total no. of tannery units	138 Units
Power Requirement	15750 KW
Power back up	1 no. of 62.5 KVA for each leather industry unit. -DG sets of capacity 2 x 250 KVA which shall be installed for emergency use during power failure for common services.
Boiler capacity	3 TPH for each leather industry unit.
Total water requirement	17576 KLD
Total Waste-water discharge	15534 KLD
Parking provision	3360 ECS

2. Present Land-Use of the area is Vacant Land Break-up of total Land Area

Land Use	Area in sq. m.	Area in Acres	%
Area Under Plots	290363.14	71.75	41.0
Road & Parking area	139303.49	34.42	19.67
Green Spaces	149430.79	36.93	21.10
Utilities & Amenities	27053.35	6.69	3.82
Common Facilities	102052.02	25.22	14.41
Total Area	708202.78sq. m.	175 acres	100.00

3. Proposed Capacity

Type of Plot	Hides/Skins per day per industry	No. of industries	Hides/Skins per day	Hides/Skins weight in Kg per day	Hides/Skins weight in Tons per day
Plot type 1 (4000 sq.m)	240	30	7200	172800	172.8
Plot type 2 (2000 sq.m)	150	108	16200	388800	388.8
Total	390	138	23400	561600	561.6

4. As per NGT order, Zero Discharge proposal is not feasible across the board, especially for smaller capacity units. Thus, it shall not be imposed upon the industries. In line with suggestion by NGT that tanning industries should be encouraged to adopt the methodology or processing of hides as per CLRI. Thus, as per due consideration of SEIAA, we have done certain changes in leather processing technology by adopting Low Salt Usage technology and Water Less Chrome Tanning Technology approved by CLRI (Central Leather Research Institute). Low Salt Usage technology and Water Less Chrome Tanning Technology approved by CLRI (Central Leather Research Institute) shall be adopted. The report of CLRI for proposed revised technology was submitted. Revised

technology will reduce the water requirement, waste water generation and also the TDS & chrome reduction in waste water will be there. Thus, the pollution load on environment will be decreased. There will be a complete elimination of water input for chrome tanning and thus reduction in water usage by adopting Water Less Chrome Tanning Technology. There will be no discharge of waste water from chrome tanning and thus reduction in waste water volume. There will be elimination of intermediate process of pickling & Basification/Neutralization process and also there will be no need of chrome recovery unit.

5. Also, as desired by SEIAA& SEAC, the quality of discharge of CETP as well as the details & quality of the final discharge of waste water was submitted separately. The water will be required mainly for Domestic, process & wash, D.G. cooling, Water Body, Gardening and misc. purpose. Total water requirement has been computed as 17576 KLD. Fresh water requirement will be 17212 KLD. The water requirement will be met from Public water supply system provided within the Industrial Estate or Ground water supply after getting permission from CGWA. Total waste water of 15534 KLD shall be generated, out of which total Process waste water generated from the proposed Leather Cluster will be approx. 15276 KLD and other waste from domestic, DG cooling and misc. use will be 258 KLD. Water Less Chrome Tanning Shall be adopted. Each tannery unit within the cluster will be directed to discharge the waste water separately at the utility area into two categories namely Soaking waste water having high TDS & other general waste water. Apart from segregation of waste water at individual units, there will be provision of one day storage of waste water in CETP of 17360 KLD. The total high TDS waste water shall be collected from each unit at CETP in a separate tank and then pumped into the pond.

Pond/Tank Size

Volume of Waste water = 1067 KLD = 1067 cu m

Evaporation Time: 7 days

Total Volume of waste water = 7469 cum

No. of tanks provided: 7 No.

Size of each tank = 18 m x 20 m x 3 m

Each tank will have spraying system for fast evaporation. The salt received from it shall be reused. The general waste water shall also be treated in CETP. 364 KLD of treated water shall be reused in DG cooling, gardening, water body and misc. purposes. Excess Treated water 13379 KLD shall be disposed off in the STP (210 MLD), Bingawa-kanpur, U.P. Agreement with U.P. Jal Nigam for permission to discharge treated water generated from the units in proposed Mega Leather Cluster in the STP (210 MLD), Bingawa-kanpur, U.P. has been done.

6. PROCESS WATER CONSUMPTION

Raw to tanning	Volume of effluent generated (in lt.) per tonne of raw material	Volume of effluent generated per day @ 561.6 t/d, Lt	Volume of effluent generated per day @ 561.6 t/d, KL
Soaking	1900	1067040	1067
Liming	3600	2021760	2022
Fleshing	3000	1684800	1685
Washing	3900	2190240	2190

Deliming	3800	2134080	2134
Washing	3300	1853280	1853
Chrome tanning	0	0	0
Retanning, dyeing fatliquoring	4500	2527200	2527
Finishing	3200	1797120	1797
Total effluent generation	27200	15275520	15276

7. WATER MANAGEMENT

Usage	Population	Factor in LPCD	Total Water requirement in KLD	Waste Water Discharge in KLD
Domestic				
Staff	4800	45	216	
Visitor	1500	15	23	
Sub-Total			239	191
Process water			16973	15276
Gardening			95	Nil
D.G. cooling			39	2
Water Body			100	Nil
Misc			130	65
Total	6300		17576 KLD	15534 KLD

8. SPECIFICATIONS ODF ONLINE TOC ANALYZERS

Operating Specifications*	
Analysis Modes	NPOC, TOC (TC-IC), TC, IC
Range	0.05 to 50,000 ppm TOC
Precision	RSD \leq 3% of reading at >5 ppm NPOC or TOC
Accuracy	Greater of $\pm 3\%$ or ± 25 ppm, 0 to 100 ppm, NPOC or TOC
Linearity	$R^2 \geq 0.995$, measured as NPOC
LOD	≤ 50 ppb
TOC Calibration Stability	Up to 6 months
Analysis Time	2.6 to 8.3 minutes in Online mode
Particle size	$\leq 200 \mu\text{m}$ without filtration or $> 200 \mu\text{m}$ with optional wastewater sampler
Sample Temperature	10-60° C (41-140 °F), 10-85° C (41-185 °F) with high-temperature options

Ambient Temperature	10-40 °C (50-104 °F)
Source Sample Pressure	125 psig maximum with provided control valve 0.5 psig minimum without optional sample pump
Minimum Sample Flow Rate	50 mL/min without optional sample pump
Drain	Gravity Drain
Analyzer Specifications	
Outputs	External USB Port (1); Internal USB Ports (2); Ethernet (1); Binary End-of-Analysis Output (1); Isolated 4-20 mA Analog Outputs (5; 1 for stream ID)
Inputs	Binary Input (1) for Remote Analysis Start/Stop
Display	Color LCD w/touch-screen
Power	100 – 240 ± 10% VAC, 50 – 60 Hz, 400 VA
Alarm Relays	System Fault Alarm (1); User-Configurable Alarms, High and Low Limit (4)
Communications Protocols	Modbus®; TCP/IP over Ethernet
Installation/Overvoltage Category	II
Sample Streams	2 Streams (standard), 5 Streams (optional)
Dimensions	H: 92.7 cm (36.5 in.); W: 64.6 cm (25.4 in.); D:38.7 cm (15.3 in)
Weight	36.3 kg (80 lb)
Safety Certifications	CE, ETL listed. Conforms to UL Std. 61010-1. Certified to CSA C22.2 NO. 61010-1
Environment	
Enclosure Options	IP56/NEMA 4X/Class 1 Division 2/ATEX
Maximum Relative Humidity	Up to 95%, non-condensing
Maximum Altitude	3,000 m (9,800 ft)
Pollution Degree	2

6. Also, as asked by SEIAA& SEAC, the Online monitoring system shall be installed at three locations namely Discharge point/outlet of CETP, Inlet of STP i.e. confluence point after which CETP treated water will be mixed with waste water to be treated in STP and Discharge point/outlet of STP. The online monitoring system proposed to be installed shall be based on TOC technology.
7. **Used Oil:** Approx. 14.6 Lt/day of Used oil from machineries/D.G. Set will be carefully stored in HDPE drums in isolated covered facility. The used oil will be sold to vendors authorized by Central Pollution Control Board for the treatment of the same. Suitable care will be taken so that spills / leaks of used oil from storage could be avoided.
8. **CETP Sludge:** Approx. 23000 kg/day CETP sludge shall be generated. CETP Sludge shall be stored within the project site as per CPCB/MOEF guidelines and shall be Disposed off in SLF. Area details are given below.

AREA REQUIREMENT CALCULATION FOR CETP SLUDGE STORAGE

Quantity of Waste to be handled per day = 23 tons/day
 = 12.77 cum
 (Assuming Density of waste as 1.8 tons/cum)

Quantity of Waste to be handled for 25 years = 95775 cum

Hence, assuming 3 m height, the area requirement for storage of CETP sludge = 31925 sqm or 7.9 acre approx.

9. Process waste generated will include 46.8TPD of fleshing which will be sold to glue manufacturers & dog chew, 23.4TPD of shaving which will be sold to leather board manufacturer & 23.4TPD of trimmings or splitting which will be sold to lower quality of leather goods manufacturers etc. 945 kg/day Municipal Solid Waste will be generated out of which 662 kg/day biodegradable waste will be sent to Vermicomposting site within the project site & 236 Kg/day recyclable waste will be given to authorized recycler & 47 Kg/day of inert waste shall be disposed off at nearby landfill site.
10. The power supply shall be drawn from the U.P State Electricity Board. The electric load for the proposed unit is estimated to be 15750 KW and DG sets of 62.5 KVA (for each leather industry) unit & DG sets of capacity 2 x 250 KVA which shall be installed for emergency use during power failure for common services will be provided for power backups & 3 TPH capacity boiler in each tannery unit will be provided. Proper stack height for DG sets & Boiler shall be provided for Air Pollution Control. Also, Multi cyclone dust collector/wet scrubber will be provided to control particulate emissions.
11. For noise pollution control DG Set, shall be bought acoustically enclosed. Noise will be from the process machinery which will be housed inside the covered room. There will be no increase in ambient Noise Level.
12. There will be a parking provision of approx. 3360 ECS on surface. Individual Units & Area for admin shall be utilized for adequate parking provision.
13. The estimated cost of the project will be 2717 Crores. The cost incurred on Environment Management Plan will be Rs. 2168 lacs capital expenditure and Rs. 370.5 Lacs/Year as recurring expenditure.

Resolution against agenda no- 4

The committee discussed the replies and also from the above proceedings of the SEIAA/SEAC meetings, SEAC noted that since the beginning of the project proposal to till date numerous technical changes have taken place in the project. SEAC is of the opinion that the project proponent should present a comparative detail chart of changes and technical details of the project and compliance of Hon'ble NGT orders. Accordingly, the project proponent has to revise his form-1 with feasibility report.

5. Proposed Tannery Project at Plot No(Khasra No.)-1478-1496, Village-Sheshpur, Nari, Pargana- Harha, Tehsil & District- Unnao, U.P. M/s HMA Natural Food Ltd., File No.- 1616

The committee noted that the matter was earlier discussed in SEAC meeting dated 13/08/2015 wherein the project proponent was directed to submit following information:

The committee noted that the matter was earlier discussed in SEAC meeting dated 23/08/2014 wherein the project proponent was directed to submit information. The project

proponent through letter dated 11/12/2014 have submitted replies to the letter dated 23/08/2014. Public hearing in the matter was undertaken on 15/06/2015. However, the date of submission of EIA report is not clear. Also, approved maps from LIDA have also not been submitted which are crucial as to identify category of project proposal. The project proponent was directed to submit approved plans from LIDA and final EIA report with inclusion of public hearing comments for further consideration of the matter. The matter is deferred till submission of information as above.

The project proponent submitted their replies through letter dated 02/02/2018. A presentation was made by Shri Bakhtiyas Altamash, project proponent along with their consultant M/s Perfect Enviro Solutions Pvt.Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for Proposed Tannery Project (Raw Hides & Skins to Finished Leather) Of Capacity – 30 TPD at Khasra No. 1478-1496, Village SheshpurNari, Pargana Harha, Tehsil & District: Unnao (U.P) (LIDA Area) by M/s HMA Natural Foods Ltd. (Tannery Division)
- 2- The Tannery Industry for capacity of 30 TPD i.e. 30000 kg/day (24000 kg/day hides & 6000 kg/day skin) is proposed at Khasra nos. 1478-1496, Village SheshpurNari, Unnao District, Uttar Pradesh on a land admeasuring plot area of 16685 sqm.
- 3- The TOR was issued vide letter no. - 1927/Parya/SEAC/1616/2013/DD (DS) Dated: 20-11-14.
- 4- The cost of the project is Rs. 11 Crores. Capital cost toward environment protection measures is Rs. 642 lacs and recurring expenditure is Rs. 50.5 lacs/year. 5506 sqm (33%) area shall be developed as green area.
- 5- 666 manpower working in 3 shifts in tannery unit for the smooth functioning in the production unit.
- 6- The water requirement will be met from Ground Water (After getting permission from CGWB). Total water requirement shall be 1215 KLD (fresh water- 445 KLD & treated water- 770 KLD). The water will be required mainly for domestic, process, cooling, Gardening and misc. purpose. There shall be a provision of 2 no. of Rain water harvesting pits to recharge the groundwater.
- 7- Total waste water of 852 KLD (Domestic waste water-8 KLD & process waste water-844 KLD) shall be generated.
- 8- The process waste water will be segregated into 3 categories namely High TDS waste water, Chrome waste water & Other waste water. High TDS waste water i.e. the soak and pickle liquor is segregated by a separate line from the rest of the effluent and this stream will be treated in salt evaporation ponds equipped with forced evaporation by incorporating heat exchanger from the boiler etc. & condensate of evaporator shall be reused. The salt received from the evaporator shall be reused. The chrome tanning waste water shall be treated in CRU & the waste water received from CRU after recovering the chrome salt from it shall be treated in ETP.
- 9- The other general waste water, shall be treated in ETP. The project will have a ETP (Capacity 900KLD for 844 KLD incoming waste) which will treat all the waste water generated through primary treatment involving, settling and coagulation flocculation followed by clarifier, Secondary treatment consists of Biological treatment based on Activated Sludge technology followed by settling then the water is taken to filtration

followed by three stage RO where about 80% of the water incoming is purified and the remaining is rejected to Evaporator where the salts remain and the condensate is reused in the process. All the treated water shall be reused. Thus, it will be a Zero Liquid Discharge unit.

- 10- Total power requirement is 500 KVA.
- 11- The Source of electricity will be Unnao Electricity Supply.
- 12- For power back D.G. Sets of capacity 2 x 500 KVA (1 DG Set of 500 as standby) shall be provided.
- 13- Boiler of 5.0 TPH capacities shall be installed.
- 14- Stack height of 33 m above ground Level shall be provided for boiler & stack height of 4.5 m above roof level shall be provided for D.G. sets. Multi cyclone dust collector will be provided at Boilers.
- 15- Total 100 kg/day Municipal solid waste will be generated.
- 16- Bio-Degradable waste will be disposed off at Composting Site
- 17- Recyclable Waste shall be given to Authorized Recycler.
- 18- ETP Dried Sludge shall be generated and shall be disposed off at Secured land fill at TSDF.
- 19- Process waste of 4.15 TPD consisting of skin scrap, fleshings, shavings & trimmings will be generated which will be sold to secondary users.
- 20- The project proposal falls under category-4(f) of EIA Notification, 2006 (as amended).

21- Project Details-

Particulars	Details
Capacity	30000 kg/day (24000 kg/day hides & 6000 kg/day skin)
Total Area	16685 sqm
Green Area	5506 sqm (33%)
Estimated Project Cost	Rs. 11 Crores
Total Employees	666 Persons
Rehabilitation of Local Inhabitants	Area is within LIDA
Power Requirement	500 KVA
D.G. Sets Capacity for Power Back-up	2 x 500 KVA (1 DG Set of 500 KVA as standby)
Boiler capacity	One boiler of capacity 5.0 TPH Fuel Rice husk: 12.5 TPD or Coal: 10.0 TPD or Wood / undigested dung cake: 10.0 TPD
No. of operating Hours of Boiler	24 hours
Air Pollution Control Device	Multi-cyclone duct collector
Total Water requirement	1215 KLD
Total Waste water Generated	852 KLD
Fresh water Requirement	445 KLD
Treated water for reuse	770 KLD
ETP Capacity	900 KLD
Municipal solid waste generated	100 kg/day
Dried Sludge from ETP	1360 Kg/day
Process Waste	4.15 TPD

Resolution against agenda no- 5

The committee discussed the replies and recommended grant of environmental clearance along with following general and specific conditions:

General Condition

1. The project authorities shall strictly adhere to the stipulations of the UPPCB/state government or any statutory body.
2. Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems will be laid in accordance with Factories Act.
3. 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.
4. Ground water extraction permission shall be obtained from the Competent Authority.
5. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989(as amended) and Hazardous Waste (Management and Handling) Rules, 2016, (as amended) from time to time.
6. Hazardous/inflammable/explosive material likely to be stored during the construction and operation phases shall be handled as per standard procedure prescribed under law, necessary clearance in this regard, shall be obtained.
7. Municipal Solid waste shall be suitably segregated and disposed. A separate and isolated Municipal Waste Collection Centre should be provided. Waste shall be disposed as per Municipal Solid Waste Rules prescribed under EP Act, 1986.
8. Suitable Rain Water Harvesting Systems as per designs of Ground Water Department shall be installed.
9. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
10. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco development plan should be submitted to the UPPCB within three months of receipt of this letter for approval.
11. The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.
12. A separate Environmental Management Cell shall be set up to carry out the Environmental Management and Monitoring functions.
13. The project authorities shall earmark adequate funds to implement the conditions stipulated in Environment Clearance and the funds so provided shall not be diverted for any other purpose.
14. The emissions from machines, Instruments and Transport during construction and operation phases should be according to the prescribed standards.
15. Water sprinklers and other dust control measures should be undertaken to suppress dust generation during the construction and operation phases.
16. Suitable noise abatement measures shall be adopted during the construction and operation phases in order to ensure that the noise emissions do not violate the prescribed Ambient Noise Standards.

17. Sewage effluents shall be kept separate from rain water collection and storage system. Other trade effluents should not be allowed to mix with domestic effluents. Sewage transportation pipe lines should be at least 2 meter bellow the water supply lines.
18. Hazardous/Solid Wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard, shall be obtained.
19. No wetland should be infringed during construction and operation phases. Any wetland coming in the project area should be suitably rejuvenated and conserved.
20. Make suitable provisions for using solar energy as alternative source of energy. Solar energy application should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. Present a detailed report showing how much percentage of backup power for institution can be provided through solar energy so that use and polluting effects of DG sets can be minimized.
21. The project proponent shall provide for LED lights in their offices and residential areas.
22. Make separate provision for segregation, collection, transport and disposal of e-waste.
23. Educate citizens and other stake-holders by putting up hoardings at different places to create environmental awareness.
24. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized. Construction activities including movements of vehicles should be so managed as to cause no disturbance to nearby residents.
25. Risk & Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Lucknow, SPCB within 3 months of issue of environment clearance letter.
26. Proper Protective Equipments should be given to workers.
27. A report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy efficiency should be prepared incorporating details about building materials and technology, R&U factors etc.
28. Fly ash should be used as building material in the construction as per the provision of fly ash notification of September, 1999 and amended as on August, 2003 (The above conditions is applicable only if the project lies within 100 km of Thermal Power Station).
29. All bags and containers of hazardous chemicals to be used in the possess shall be thoroughly cleaned and disposal shall be in the accordance with law.
30. Complete record of Hazardous waste generated and sent to the Common Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) should be maintained by the unit.
31. All internal drains to be covered.
32. Submit undertaking that all development works will be executed as per UPSIDA bye-laws within a month.
33. The DG sets to be used during construction phases should use low sulphur diesel type and should conform to E.P. Rules prescribed for Air and Noise emission standards.
34. All necessary statutory clearances should be obtained and submitted before start of any construction activity. If this condition is violated the clearance shall be automatically deemed to have been cancelled.
35. Provision for fire hydrant as per in building bye-laws should be made.
36. The project authorities shall undertake environmental auditing on annual basis.

37. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
38. The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
39. The above conditions will be enforced, inter-alia under the provisions of the Water(Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2016, Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Specific Conditions

1. Consent to establish and operate for the project shall be obtained from the UP Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1986.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted, a fresh reference shall be made to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. The unit should not exceed the norm of 28 cu. meter/tonne of raw hide as stipulated in schedule 1 of the Environment Protection Act, 1986 for the total quantity of waste generated.
4. Zero Liquid Discharge (ZLD) may be complied and no waste / treated waste water may be discharged outside the premises. The project authority may try to install the complete treatment plant with zero liquid discharge system prior to start of the project.
5. Soak liquor, chrome liquor and general effluent must be segregated and treated separately.
6. Chromium recovery plant shall be installed to recover the Chromium to the maximum extent as per standards and proper disposal of the Chromium bearing sludge should be ensured as per the Hazardous Waste (Management and Handling) Rules, 2016 (as amended thereof).
7. The fleshing from the tannery shall be supplied to the manufacturers of dog chew and glue manufacturing units approved by UPPCB. The skin scraps from the tannery shall be supplied to lower quality of leather goods manufacturer & dog chew.
8. As proposed, the Hazardous Waste and Salt-waste (from centrifuge and MEE residue) should be sent to the Common Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) authorised by UPPCB. MoU for the collection, transportation, treatment and its disposal with the operator of Common Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) in this regard, should be submitted to SEIAA within 3 months.
9. Authorization from the UPPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes prior to the commissioning of the plant.
10. Provision of Online monitoring at ETP inlet and before recycling of treated waste water for the relevant parameters should be made.
11. The standards notified by the CPCB, from time to time, for the Effluent Treatment Plant for the Tannery units shall be strictly adhered to.
12. The EC shall be subject to the compliance of the Hon'ble NGT/Supreme Court orders issued from time to time regarding the ZERO LIQUID DISCHARGE (ZLD).

13. The tannery should adopt state of the art technology. The technology should include recovery and reuse of Chrome/Alutan BCS/closed-loop Alutan-BCS combined tanning process to ensure maximum chromium recovery as per norm.
14. Guard ponds of sufficient holding capacity should be provided to cope with the effluent discharge during process disturbances.
15. A secured double line land fill should be developed for temporary storage of hazardous solid waste by providing impervious liner and leachate collection system.
16. Adequate collection treatment and disposal facility for leachate shall be ensured prior to commissioning of the project.
17. The ground water quality around the guard ponds, temporary hazardous waste storage site and at other relevant places should be monitored on a regular basis.
18. The tannery operations should be such that the environmental stipulations as prescribed under Charter on "Corporate Responsibility for Environmental Protection (CREP)" are complied with.
19. Record should be maintained in the unit for the quantity of raw process water used and treated recycled waste water.
20. The Company shall provide stacks of adequate height to the D.G. Sets along with acoustic enclosures for noise control as per CPCB guidelines. The DG Sets shall comply with the norms notified under Environment (Protection) Act, 1986.
21. The proponent will monitor ambient air quality on line or manual with instruments one in a month and details of report is to be submitted. Unit should ensure to set up the ambient air quality monitoring stations in the down wind direction as well as at locations where maximum ground level concentration is anticipated. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 shall be followed.
22. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
23. Uttar Pradesh Ganga Pollution Control Unit should be informed about the existence of Tannery Unit of Capacity 20T/Day at Plot No-A75, UPSIDC, Jainpur, Tehsil-Akbarpur, Distt-Kanpur Dehat and should comply with the conditions, if any.
24. The project authorities shall develop 33% of the total area as green belt as per the guidelines of State Govt. to mitigate the effect of odour nuisance from the plant with peripheral green and tree plantation in road at 05 m. Selection of plant species should be as per the CPCB guidelines in consultation with the DFO.
25. 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

6. Proposed Cement Grinding Unit of KLK Cement Pvt. Ltd., at Plot N0-E-18, 19, 20, UPSIDC Sidhwan, Jaunpur, U.P., Shri Pradeep Kumar, Director, Balia Agency, Ram Lila Maidan, Naya Chowk, Bali, File No.-2335

The committee noted that the matter was earlier discussed in SEAC meeting dated 05/10/2016 wherein the project proponent was directed to submit following information:

1. Actual air quality monitoring data for one month period to be resubmitted
2. Plan for 10 meter peripheral green belt along with the proposal of tree plantation with suitable tree species.
3. Running production status from regional office UPPCB.
4. Plan for kuttcha pond on layout.
5. NOC from UPPCB to be submitted.
6. Location of sampling point showing and certifying on Google map with wind direction.
7. Permission from CGWA for ground water abstraction to be submitted.

The project proponent submitted their replies through letter dated 19/02/2018. A presentation was made by Shri Pradeep Kumar, project proponent along with their consultant M/s Prakriti Consultants Services. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Proposed Cement Grinding Unit at Plot N0-E-18, 19, 20, UPSIDC Sidhwan, Jaunpur, U.P. M/s KLK Cement Pvt. Ltd.
2. Salient features of the project are as follows:

➤ Land Area	3510 sqm in Industrial Area, Rampur Sidhwan, Jaunpur
➤ Type of unit	Cement Grinding Unit
➤ Capacity	30,000 TPA (100 TPD) (300 Working day)
➤ Covered Area	1029.0 sqm
➤ Open Area	2298.53 sqm
➤ Factory Area	1212.28 sqm
➤ Lab & Office Area	109.00 sqm
➤ Raw Material Store Area	131.09 sqm
➤ Green Area	1158.3 sqm
➤ Raw Material	Clinker - Reeva, MP, Gypsum – Rajasthan, Fly Ash- Renukoot
➤ Variety of Cement	OPC (Ordinary Portland Cement), PPC (Portland Pozzolona Cement)
➤ Water requirement	1 KLD (Only for Domestic Use)
➤ Source of water	Bore Well (Ground Water)
➤ Electric requirement	400 KVA for 100 TPD Cement Plant
➤ Worker & Staff	17 nos.

3. Land use breakup details are as follows:

Type	Area (sqm)
Total Area	3510.8 sqm
Covered Area	1029.0 sqm
Open Area	2298.53 sqm
Factory Area	1212.28 sqm
Lab & Office Area	109.00 sqm
Raw Material Store Area	131.09 sqm
Green Area	1158.3 sqm

4. Raw material details are as follows:

Raw Material	Percentage (%)	Proposed requirement for 100 TPD PPC (Approx)
Clinker	65-70%	20000 TPA
Fly ash	25-30%	7500 TPA
Gypsum	5%	2500 TPA
Total		30000 TPA

5. *Provision of trees @ 80 m² of area to be provided.*

6. The project proposal are covered under category 3”b” of EIA Notification, 2006.

Resolution against agenda no-06

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

General Conditions:

1. The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh State Pollution Control Board and the State Government.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, UP.
3. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
4. At least four ambient air quality monitoring stations should be established in the relevant directions as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to UPPCB/CPCB and Regional Office, of MoEF at Lucknow once in six months.
5. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
6. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night times).
7. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
8. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
9. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

10. As proposed, budget shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of MoEF at Lucknow. The funds so provided shall not be diverted for any other purpose.
11. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
12. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Lucknow, CPCB and UPPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
13. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, CPCB and UPPCB. The Regional Office of MoEF at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the Regional Office of the MoEF at Lucknow.
15. The Project Proponent shall inform the public that the project has been accorded Environmental Clearance by the SEIAAUP and copies of the clearance letter are available with the SPCB and may also be seen at Website of the SEIAAUP at seiaaup.com. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Lucknow.
16. Project authorities shall inform the Regional Office of MoEF, Lucknow as well as the SEIAA the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

Specific Conditions

1. Setback provided in all sides of the plant should be specifically provided.
2. Continuous Ambient Air Quality Monitoring Station to monitor the concerned parameters shall be installed in the predominant wind direction immediately after the plant is in operation.
3. Particulate emissions shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the MoEF Regional Office at Lucknow, SPCB and CPCB regularly.

4. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
5. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.
6. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw meal handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.
7. Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
8. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions should be regularly monitored.
9. Total ground water requirement for the cement plant shall not exceed 170/day and necessary permission for the drawl of water shall be obtained from the Competent Authority. All the treated wastewater should be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and “zero” discharge should be adopted.
10. Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
11. All the bag filter dust, raw meal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / re-processors only.
12. Green belt shall be developed in at least 33 % of project area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO. Layout plan showing greenbelt should be submitted within three month. Green Belt shall be distributed uniformly all around the main plant particularly in the predominant wind direction.
13. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures and to be removed after the completion of the project.

14. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.
15. Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total profit shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in upliftment of weaker section of society consistent with the traditional skills of the people identified. The programme can include activities such as old age homes, rain water harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment and jobs. Separate budget for community development activities and income generating programmers shall be specified.
16. Post project monitoring for air, water (surface+ ground), Stack noise of D.G. sets, STP to be carried out as CPCB Guidelines. Walls of appropriate heights shall be provided in the raw material and the product handling sections.
17. Corporate Responsibility for Environmental Protection (CREP) guidelines for cement industries should be followed.
18. All storm water drain and conveyor belt should be covered. Walls of appropriate heights shall be provided in the raw material and the product handling sections.
19. Any litigation pending in the Courts of Law it shall be binding on project proponent.
20. Parking facility should be provided within the project premises.
21. Green belt should be developed as per CPCB norms. 50% Evergreen Tree (that remains green for most part of the year and sheds leave slowly throughout the year having height more than 2.0 m, with a well distinguished trunk) should be part of the green belt. Green belt should be developed in a strip of 10 meters within the boundary of its premises and along both sides of the internal roads.
22. The minimum height of plantation of sapling should be 3.6 m at the time of occupancy.
23. A comprehensive EIA report shall be prepared and submitted based on six month data immediately after the plant is in operation.
24. Walls of appropriate heights shall be provided in the raw material and the product handling sections.
25. During the transport of the raw materials and or the product by the road appropriate measures shall be taken to control the emission of the particulate matters to the level zero.
26. Parking at the road side with loaded and unloaded trucks shall not be allowed, besides the transport vehicles shall conform to the pollution norms.
27. During the winter months in the plant operation periods monitoring in the thickly populated areas shall be carried out by the proponent itself.

7. Proposed “IT/ITES” Building Project” at Plot No-A2/3, Sector-132, Noida, District- Gautam Budh Nagar,U.P., Sri Sunil Dixit, Associate Director, M/s Urvi Homes Pvt. Ltd., File No.- 3633

A presentation was made by project proponent along with their consultant M/s JM Enviro Net Pvt. Ltd. In continuation of the presentation the project proponent detailed the matter as below:

“An Environmental clearance has been granted with vide letter no. 261/Parya/SEAC/3633/2016 dated 16-09-2016. The proponent, vide letter dated 15-12-2016

received in the office dated 20-03-2018 submitted and requested the committee to change the contents as below in the grant of E.C letter dated 16-09-2016:-

- 1- Name of the project “M/s ATS DREAM ZONE PRIVATE LIMITED” instead of “M/s URVI HOMWES PVT,LTD”.
- 2- Specific condition no- 4 in Environmental clearance letter no- 261/Parya/SEAC/3633/2016 dated 16- sep 2016 should be revised as “Provision of parking should be restricted to 1290 ECS as required under Development Authority Bye-laws.
- 3- Project address is corrected as Plot no- A2/2, Sector- 132, Noida, in Environmental clearance letter no- 261/Parya/SEAC/3633/2016 dated 16- sep 2016.

Resolution against agenda no- 7

The matter was scrutinized at committee and observed that Environmental clearance has been granted as per the project proponent proposal and it was found that the Environmental Clearance was issued vide letter no- 261/Parya/SEAC/3633/2016 dated 16- sep 2016 wherein the contents are as mentioned by the consultant are of so. The committee discussed the matter and recommended to replace the contents as per the request of the project proponent also imposing the condition of Corporate Social Responsibility (CSR) phase wise plan along with budgetary provision amounting to 2% of the total project cost shall be prepared and approved by Board of Directors of the company of “M/s ATS DREAM ZONE PRIVATE LIMITED”. A copy of resolution as above shall be submitted to the authority within one month from the date of issuance of the letter. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.

Rest all the contents mentioned in Environmental Clearance letter shall remain unchanged.

8. Capacity Expansion of DSCL Sugar- Hariawan (A Unit of DCM Shriram Ltd.), from 10,000 TCD along with 24 MW Cogeneration Power Plant to 18, 000 TCD along with 70 MW Cogeneration Power Plant at Village- Hariawan, P.O.- Hariawan, District- Hardoi, U.P., M/s DSCL Sugar- Hariawan, U.P., File No.- 4015/Proposal No. (SIA/UP/ IND2/21726/2018)

EIA presentation was made by project proponent along with their consultant M/s Vardan Environet. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1- The environmental clearance is sought for Expansion of existing sugar mill from 10,000 TCD along with 24 MW CPP to 18,000 TCD along with 70 MW CPP Village & P.O. Hariawan, District Hardoi (U.P.).

- 2- The existing capacity of the plant is 10,000 TCD along with 24 MW Cogeneration Power Plant. The Project was granted CTE/NOC on 31.10.2005 and CTO from UPPCB which is valid up-to 31.12.2019.
- 3- The project proponent is proposing Capacity expansion from 10,000 TCD to 18,000 TCD unit along with expansion of 24 MW Cogeneration Power Plant to 70 MW within the existing plant premises.
- 4- The proposed plant will produce Sugar as the main product, molasses & bagasse as by products and press mud as waste.
- 5- There was no SEIAA/SEAC in Uttar Pradesh hence the application was submitted under category "A" to MoEF&CC and ToR for the proposed project was granted vide file No. IA-J-11011/435/2017-IA-II(I) on dated 26th October 2017.
- 6- PROJECT DETAILS:-

S. No.	Particulars	Details			
1.	Nature & size of the Project	Expansion of existing project, DSCL Sugar-Hariawan from 10,000 TCD along with 24 MW Cogeneration Power Plant to 18,000 TCD along with 70 MW Cogeneration Power Plant			
2.	Total Project Area	63.202 Ha. (Expansion will be carried out within existing land. No requirement of additional land)			
3.	Nearest Highway	SH 25 (9.30 km in SW)			
4.	Nearest Railway Station	Hardoi Railway Station (14.5 km in South)			
5.	Nearest Airport	Lucknow (111 km in SE)			
6.	National Parks/ Wild Life Sanctuaries/ Biosphere Reserves/RF & PF within 10km radius	There is no National Parks/ Wildlife Sanctuaries/ Biosphere Reserves/ RF & PF within 10km radius area of project site			
7.	Nearest Water Bodies	<ul style="list-style-type: none">• Sai River (Seasonal River) (0.8 km in South direction)• Bhainsta River (Seasonal River) (1 km SSE)• Lucknow Branch Canal (6 km East)• BaruanJhil (Low Lying land – Seasonal Lake)(2 km West)			
8.	Seismic Zone	Zone III			
9.	Cost Details				
	Project Cost		Existing- Rs.270 Crores Proposed- Rs.350 Crores Total- Rs. 620 Crores		
	Cost for Environmental Protection Measures		Rs. 7.60 Crores		
	Recurring Cost/Annum		Rs. 50 Lakhs		
	Cost for ESC Budget.		Rs. 3.87 Crores (for 5 years)		
10.	Working Days		For expanded capacity- upto 200 days (Sugar Plant) upto 350 days (Power Plant)		
11.	Manpower requirement		Present	Expansion	Total Requirement
	During season		310	140	450

	Off Season	275	125	400
	During Construction (expansion)	N/A	1500	1500

7- Water will be sourced from Bore well of the existing sugar mill. Water balance is given in table-

Particulars			Existing KLD	Proposed KLD	Total KLD	Source
Domestic Water			300	100	400	Ground Water through Tube-well
Industrial Water	Sugar	Season	400	800	1200	
	Power	Season	200	1000	1200	
		Off season	-	1500	1500	

8- Existing regular manpower of the plant is 310 and an additional manpower requirement is 140, which will be sourced from local population. The total estimated manpower (direct employment) after the proposed expansion shall be 450 during the peak season.

9- Power Requirement:-

S. No.	Particulars	Details	Source
1	Power Requirement for existing 10000 TCD sugar mill	10 MW	Source: From their own Cogeneration power plant
2	Power Requirement for proposed expansion 8000 TCD sugar mill	14 MW	
3	Total	24 MW	

10- The Land use of the site is industrial and under the possession. Thus no additional land is required for proposed expansion.

S. No.	Land Use Utilization	Area (Ha.)	Percentage (%)
1	Building Area (sugar mills)	3.06	4.84
2	Area under roads and paved area (sugar mill)	6.43	10.18
3	Area under green belt, grass land, agriculture land etc.	20.86	33
4	Miscellaneous Area (Bagasse yard etc.) – For Sugar Mills	21.63	34.23
5	Area Under Distillery	11.22	17.75
Total		63.20	100

11- Existing water requirement (peak season) is 900 KLD which is meet through ground water. 400 KLD of water used in process & 300 KLD in domestic purpose.

12- Most of the water will be recycled back. Effluent from manufacturing process is treated in ETP of capacity 2000 KLD and after expansion the capacity of ETP will be 3600 KLD.

13- STP of capacity existing 250 KLD and it shall be adequate after the proposed expansion also. The STP Sludge will be used as manure in green belt area.

14- Solid Waste and Hazardous Waste Management:-

Name of the Solid Waste	Existing	Proposed Expansion	Total	Management
Boiler Ash	18 TPD	44 TPD	62 TPD	Boiler ash is stored separately & disposed off as per norms
ETP Sludge	0.6 TPD	1.14 TPD	1.74 TPD	ETP Sludge will be used as manure
Bagasse	3000 TPD	2400 TPD	5400 TPD	Bagasse will be used as fuel in the boiler
Molasses	525 TPD	420 TPD	945 TPD	Molasses will be used in integrated Distillery plant.
Press mud	450 TPD	360 TPD	810 TPD	Press mud will be given to the farmers
Used Oil	100 L/month	75 L/month	100 L/month	Sold to authorized recycler

15- The greenbelt development will be done as per MoEF stipulated norms. The total plot area under present project is about 63.202 ha. and thus a total of 20.86 ha. (33%) area will utilized under green belt development. Around 31285 trees (local species) will be planted during the 5 years to cover the 20.86 ha. (33%) area. Around 6257 trees will be planted on 4.17 Ha.

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

Resolution against agenda no- 8

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

General Conditions:

1. The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh State Pollution Control Board and the State Government.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, UP.
3. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
4. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to UPPCB/CPCB and Regional Office, of MoEF at Lucknow once in six months.
5. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be recycled in the plant and there shall not be any discharge of industrial waste water as committed by the project proponent during the presentation.

6. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night times).
7. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
8. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
9. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
10. As proposed, budget shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by SEIAA as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of MoEF at Lucknow. The funds so provided shall not be diverted for any other purpose.
11. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
12. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Lucknow, CPCB and UPPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
13. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, CPCB and UPPCB. The Regional Office of MoEF at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the Regional Office of the MoEF at Lucknow.
15. The Project Proponent shall inform the public that the project has been accorded Environmental Clearance by the SEIAAUP and copies of the clearance letter are available with the SPCB and may also be seen at Website of the SEIAAUP at seiaaup.com. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the

vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Lucknow.

16. Project authorities shall inform the Regional Office of MoEF, Lucknow as well as the SEIAA the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

Specific Conditions:

1. NOC from Fire Department should be submitted within a month, in case of failure this EC will deem to be cancelled.
2. Solid waste, vermin composting will be done.
3. 02 continuous ambient Air Quality Monitoring Station one in up wind and other in predominant wind direction shall be installed immediately after the plant is in operation.
4. Flow measurement device should be installed at the outlet of ETP.
5. Minimum 33% of total plot area shall be developed as green belt as per norms of MoEF.
6. Water meter shall be installed at the points of effluent generation.
7. Storage of ash and bagasse shall not be left open. Storage places should be on remote sides of the villages.
8. Authorization for hazardous waste shall be obtained as per law.
9. Corporate Social Responsibility (CSR) plan along with budgetary provision amounting to minimum 2% of the total 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.
10. SPM level from chimney should be restricted under current norms.
11. No Additional Land, No Additional Water, No Additional Fuel shall be used for the proposed modernization.
12. No Effluent Discharge shall be made in public domain.
13. Online Monitoring Systems for effluent monitoring shall be installed.
14. To reduce the emission of particulate matter and gasses, Electrostatic Precipitator shall be installed and connected with Boiler duct.
15. The Solid waste generated from the process will be mainly bagasse, filter cake (press mud) and boiler ash. 100 % Bagasse shall be reused as fuel in the boiler and excess bagasse, if any, shall be sent to other sugar plants for power generation. Molasses will be sent to the Distillery unit. Filter cake shall be sent for bio-composting in the Distillery.
16. Commitments made during the Public Hearing shall be complied with.
17. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures and to be removed after the completion of the project.
18. Plan for 12 m peripheral green and plantation in three rows of 4.0 m distance. C/w 5.0 m is to be submitted and shown on layout plan.
19. All storm water drain and conveyor belt should be covered.
20. Any litigation pending in the Courts of Law it shall be binding on project proponent.
21. Parking facility should be provided within the project premises.
22. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9. Proposed Expansion of 2 x 900 MT Mounded Storage Vessels, Additional 24 pt. Carousel and 5 Nos. Additional TLD Bays at LPG Bottling Plant, Tehsil - Khair, District- Aligarh, U.P. M/s Indian Oil Corporation Ltd. File No.- 4115/Proposal No. (SIA/UP/ IND2/21917/2018)

A presentation was made by Shri Kaushal Kumar Pankaj, authorized representative of project proponent along with their consultant M/s ABC Techno Labs India Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Proposed Expansion of 2 x 900 MT Mounded Storage Vessels, additional 24 pt Carousel and 5 Nos, additional TLD Bays at LPG Bottling Plant Aligarh, U.P. M/s Indian Oil Corporation Ltd.
2. IOCL proposes to provide LPG Storage in the form of 2 x 900 MT Mounded Storage Vessels, additional 24 pt Carousel and 5 Nos. additional TLD Bays at LPG Bottling plant, Aligarh, Uttar Pradesh, which is distributed through LPG Cylinders in various markets of Uttar Pradesh.
3. Existing Capacities:
 - Existing Capacity is 600 MT (150x4 MT) LPG storage Bullets.
 - The Plant was established in year 2003
 - The proposed Mounded Storage Vessels of 2 X 900 MT capacity will be constructed in the existing vacant land.
4. Salient feature details of the project:

Name of the Project	Augmentation of new mounded storage vessels 2 Nos.X 900 MT, 24 pt Carousel and 5 Nos. additional TLD Bays
Location	Indane Bottling Plant, Aligarh Village: Karsua, PO: Lodha Khair Road, Aligarh, Uttar Pradesh 202140
New/Expansion/Modernization	Expansion
Existing capacity	Existing Capacity is 600 MT (4x150MT) LPG storage bullets.
Proposed Capacity	2 Nos. X 900MT Mounded Storage Vessels, 24 pt Carousel and 5 Nos. additional TLD Bays
Cost of project	Rs 44.88 Crore
Water requirement Existing /Proposed	Existing : 3.0 KLD Proposed : Nil
Total Area	Existing: 29 acres Proposed: Nil (Expansion coming up in the same premises)

5. Total power requirement of the project is 300 KVA which shall be sourced from DVVNL. Backup power requirement proposed as 2x500 KVA and 1x160 KVA DG Sets.
6. Land requirement details:

S. No.	Land use parameter	Area (Acres)
1.	LPG mounded bullet	3161.16
2.	Unloading Finger with shed	151.2
3.	Loading finger with shed	94.08
4.	Empty cylinder & filling shed	344.96
5.	Overhang in front of loading shed	75.6
6.	Over hang in front of unloading shed	680
7.	Mounded bullet	4364.8
8.	TLD shed with 5 no addtn Bay	412.5
Total Area		9284.3

7. The project proposal are covered under category 6(b) of EIA Notification, 2006.

Resolution against agenda no- 9

The committee discussed the matter and observed that the Project Proponent is not been able to satisfy the quires of the committee. Technical quires raised by the SEAC were not properly explained by the Project Proponent/consultant. Hence, the matter was deferred. The matter will be discussed only after submission of online information on aforesaid queries on prescribed portal.

10. Establishment of New grain based 58.0 KLD distillery (RS/ENA/AA) along with 2.0 MW Co-generation of power at Village- Ahmadpura, Tehsil- Atrauli, District- Aligarh, U.P. M/s Wave Distilleries & Breweries Ltd., File No.- 4116/Proposal No. (SIA/UP/ IND2/21917/2018)

EIA presentation was made by Shri S. S. Singh, authorized representative of project proponent. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for New Distillery (Grain based) 58 KLPD (RS/ENA/AA) along with 2MW Power at Vill-Ahmadpura, Tehsil-Atrauli, Distt-Aligarh, UP M/s Wave Distilleries & Breweries Ltd.
2. The Terms of Reference (TOR) for the proposed project was issued vide Reference No. 714/Parya./2642/SEAC/2014/DDY Dated 06 August, 2015.
3. Salient features of the project is as follows:

Sr. No.	Item	Details
1.	Name of the project	Wave Distilleries & Breweries Ltd.
2.	Location of the project	Vill- Ahmadpura Tehsil- Atrauli, District- Aligarh(U.P)
3.	New/Expansion/Modernization	NEW
4.	Total project area	4.11Acres

5.	Proposed capacity of Distillery	58 KLPD ENA
6.	Total project cost	Rs 8995.00 Lacs
7.	Category of Project	'B'
8.	Raw material	100 % GRAIN
9.	Quantity of Grain	145-165 MT/day
10.	Steam requirement	18 TPH
a.	Liquefaction	1.2 TPH at 3.5 kg/cm2
b.	Wash to ENA Mode + Integrated Evaporation	7.4 TPH at 3.5 kg/cm2
c.	DDGS (Distiller's dried grain with solubles)	6.0 TPH at 3.5 kg/cm2
d.	For power generation	3.4 TPH at 3.5 kg/cm2
11.	Water requirement	Industrial process- 750 KLPD (@ 12.9 KL/KL of product) Domestic- 20 KLPD Total- 770 KLPD
12.	Waste water generation	475 KLPD (+ 5 KLPD DOMESTIC)=480 @ 8.1 M3/KL of product
13.	Waste water treatment	Decantation , DWGS Drier, Multi Effect evaporation & Secondary ETP
14.	Waste water discharge	Zero
15.	Other Industrial Waste	Very negligible in the form of used oil and lubricants. Most of it is recycled; the balance is discarded as prescribed by the law. The same shall be sold to vendors authorised by MoEF/ Pollution Control Board for recycling and reusing. No other industrial waste generation.
16.	No of Boilers	(01) 20 TPH-01 no
17.	Fuel quality & quantity	Rice husk/Bagasse- 135 MT/day
18.	Air pollution control device	Wet Scrubber
19.	No. of Stack	01 No attached with proposed boiler
20.	SOLID WASTE GENERATION: a). Fly ash from Boiler	Approx 2.7 TPD (Trapped and sold to brick Manufacturers)
	b).Grains residue (DDGS) from process	Approx 54 TPD as DDGS Used as cattle feed
21.	Solid Waste Management	Boiler Ash used in filling of low lying areas or in manufacturing of briquettes
22.	Power requirement	2 MW Power generation (power shall be used within project).
23.	Green belt	Green belt development: 33% of total area of existing land.

4. Solid waste/ Hazardous waste generation and its management.

Particular	Quantity	Disposal
Fly ash generation	2.7 MT/Day	Will be used as manure.
Fermenter Sludge	2.4 MT/Day	Will be used as manure along with fly ash.
Grain Residue	54.0 MT/Day	Will be used as cattle feed.

5. The project proposal are covered under category 5"g" of EIA Notification, 2006.

Resolution against agenda no-10

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

General Conditions:-

- 1- The project authorities shall strictly adhere to the stipulations made by the State Government and Uttar Pradesh Pollution Control Board (UPPCB).
- 2- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 3- The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- 4- 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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- 5- The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- 6- 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 ail employees on handling of chemicals shall be imparted.
- 7- The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- 8- The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- 9- The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 10- A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 11- The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

- 12- A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- 13- The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- 14- The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- 15- The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 16- The project authorities 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 and the date of start of the project.

SPECIFIC CONDITIONS:

- 1- Change of land use certificate should be submitted within 15 days.
- 2- On line stack monitoring system should be installed.
- 3- Under any circumstances, no discharge of any kind, untreated or treated effluent should be allowed/discharged/flow outside the premises. ZERO LIQUID DISCHARGE (ZLD) shall be strictly followed.
- 4- Adhere with the back filter along with the boiler.
- 5- Distillery unit shall be based on Grain (58 KLPD, RS/ENA/AA) only and production of the plant shall never exceed the maximum capacity defined for both the cases.
- 6- ESP along with stack of adequate height should be provided to Rice husk/Bagasse fired boiler to control particulate emission within 150 mg/Nm³. ESP along with stack of adequate height shall be provided to the rice husk concentrated spent wash fired incineration boiler. The stack emissions to be monitored online from various units shall conform to the standards prescribed under the Environment (Protection) Act. At no time, the emission levels shall go beyond the stipulated standards, in the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.
- 7- In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water

sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by State Government, Uttar Pradesh and Uttar Pradesh Pollution Control Board (UPPCB).

- 8- Pucca approach road .to project site should be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.
- 9- The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- 10- The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the respective Regional office of MOEF, the respective Zonal office of CPCB and the UPPCB. The levels of PM10, PM2.5, SO2, NOx, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- 11- Spent wash generation from grain based distillery shall not exceed 8.1 KI/KI of alcohol. The spent wash from grain based distillery shall be concentrated in Multiple Effect Evaporator (MEE) and concentrated spent wash shall be incinerated with rice husk in the incineration boiler to achieve 'Zero' effluent discharge. Spent wash from grain based distillery shall be treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS shall be dried to form DDGS. Spent wash shall be stored in impervious pucca lagoons with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution; the storage of spent wash shall not exceed 5 days capacity.
- 12- As proposed, no effluent from distillery and co-generation power plant shall be discharged outside the premises and Zero discharge shall be adopted.
- 13- Continuous online monitoring (24X7) system of pollutants to be installed within the treatment plant and data to be uploaded on company's website and provided to respective Regional Office of MoEF&CC and concerned SPCB.
- 14- Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- 15- Spent wash for molasses should be stored in impervious lagoon (RCCf with epoxy) along with HDPE lining as per CPCB guidelines and should be kept in proper condition to prevent ground water pollution.
- 16- Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area should be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids should be monitored.
- 17- No storage of wet cake should be done at site. An additional dryer should be installed so that at any time wet cake is not sold then wet cake should be converted into dry cake by operating additional dryer.

- 18- Rice husk storage should be done in such a way that it does not get air borne or fly around due to wind.
- 19- Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.
- 20- Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.
- 21- Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.
- 22- Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- 23- At least 2 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program should be ensured accordingly in a time bound manner.
- 24- The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- 25- As proposed, green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- 26- Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

11. Integrated Township "Gomti Green" at Village- Sarsawan, Ahmanmau, Ahdonama, District- Lucknow, by M/s Emaar MGF Land Ltd., File No.- 4121/Proposal No.- (SIA/UP/ NCP/22281/2018)

Resolution against agenda no-11

The project proponent requested to defer the matter to next meeting. The committee discussed the request letter and directed to defer the matter in upcoming SEAC meeting.

12. Group Housing Project "Happy Trails" at Plot No.- GH-02A, Sector- 10, Greater Noida, Tehsil & District- Gautam Budha Nagar, U.P., M/s Shridhara Infratech Pvt. Ltd., File No.- 4137/Proposal No. (SIA/UP/ NCP/22417/2018)

Resolution against agenda no-12

The project proponent requested to defer the matter to next meeting. The committee discussed the request letter and directed to defer the matter in upcoming SEAC meeting.

13. Proposed River Bed Sand/Morrhum Mining Project from Betwa River for M/s Associated Commerce located at Gata No.-747/16, Village-Patharehta, Tehsil- Kalpi, District- Jalaun, U.P., Lease Area- 8.90 Ha, File No.- 3908/Proposal No.- (SIA/UP/ MIN/71560/2018)

Resolution against agenda no-13

The committee examined the observation of SEIAA. After in-depth discussion the SEAC is of the opinion that there is no need to re-examine the case and call the representative of mining department. Confirming the recommendation of 67,640 m³ of minable reserve the case is referred back to SEIAA.

14. Proposed "River Bed Ordinary Sand mining at River Jauraha" Project at Gata No. 947, Village-Manjha, Tehsil- Nighasan, District- Kheri. (Leased Area-11.809 ha) Shri Harprit Singh Dhaliwal, File No.- 3975/Proposal No. (SIA/UP/ MIN /72201/2018)

Resolution against agenda no-14

The committee examined the observation of SEIAA. After going through the minutes of committee dated 23-03-2018 and the following line "submission of revised mining plan approved by Mining Department" should be deleted.

15. Sand Mining from Yamuna River Bed from Khand No.-3, Village- Bhilor, Bara, District- Allahabad, U.P., M/s C. L. Gupta & Sons, (Leased Area-8.00 Ha), File No. 4012/Proposal No. (SIA/UP/ MIN /72241/2018)

Resolution against agenda no-15

The committee examined the observation of SEIAA. After going through the minutes of committee dated 23-03-2018 and the following line "submission of revised mining plan approved by Mining Department" should be deleted.

16.Lahureta (Area- 33 ha) Sand/Morrum Mine on Ken River at Khand No.- 195/1, 191, 3, Village- Lahureta, Tehsil- Narani, District- Banda, U.P., M/s R.S.I. Stone World Pvt. Ltd. Lease Area: 33.00 Ha, File No. 4176/Proposal No. (SIA/UP/ MIN /72241/2018)

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

- 1- The environmental clearance is sought for Sand/Morrum Mine on Ken River at Khand No.- 195/1, 191, 3, Village- Lahureta, Tehsil- Narani, District- Banda, U.P., M/s R.S.I. Stone World Pvt. Ltd. Lease Area: 33.00 Ha.

- 2- Salient features details of the project is as follows:

1. On-line proposal No.	SIA/UP/MIN/23026/2018		
2. File No. allotted by SEIAA, UP	4176		
3. Name of Proponent	M/s R.S.I. Stone World Pvt. Ltd.		
4. Full correspondence address of proponent and mobile no.	Authorised Signatory: Kailash Chand E 7 M 708, Arera Colony, Bhopal (M.P.)		
5. Name of Project	Lahureta (area 33.00 ha sand/morrum mine) on Ken river		
6. Project location (Plot/Khasra/Gata No.)	Village - Lahureta, Tehsil- Naraini, District- Banda of Uttar Pradesh. (Gata No, Part of 195/1, 191, 3)		
7. Name of River	Ken River		
8. Name of Village	Lahureta		
9. Tehsil	Naraini		
10. District	Banda		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	33.00 Hectares		
13. Mineable Area (in Ha.)	26.4 Ha.		
14. Zero level mRL	118m		
15. Max. & Min mrl within lease area	121-119 m.		
16. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	Block A		
	A	25° 9' 38.32"N	80° 24' 13.81"E
	B	25° 9' 29.50"N	80° 24' 16.17"E
	C	25° 9' 22.43"N	80° 23' 35.22"E
	D	25° 9' 19.39"N	80° 23' 24.82"E
	E	25° 9' 34.89"N	80° 23' 54.24"E
	Block B		
	F	25° 8' 52.70"N	80° 22' 54.80"E
	G	25° 8' 49.40"N	80° 22' 49.47"E
17. Total Geological Reserves	8,17,463m ³		
18. Total Mineable Reserves in LOI	6,60,000m ³		
19. Total Proposed Production	33,00,000m ³		
20. Proposed Production/year	6,60,000m ³ /Year		
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	2640 m ³ /Day		

23. Method of Mining	Opencast Semi-mechanized mining	
24. No. of working days	250 days/ Year	
25. Working hours/day	12 Hours	
26. No. Of workers	58	
27. No. Of vehicles movement/day	132	
28. Type of Land	Govt. Land	
29. Ultimate Depth of Mining	2.5 m	
30. Nearest metalled road from site	1800 m	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.58
	Suppression of dust	7.56
	Plantation	18.59
	Others (if any)	0.00
	Total	26.73
32. Name of QCI Accredited Consultant with QCI No and period of validity.	GreencIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2019	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	37/ Khanij-30, Banda, Dated: 4 th April, 2018.	
35. Details of Lease Area in approved DSR	33.00 Hectares	
36. Length and breadth of Haul Road	Length 1800 m, Width 6.0 m	

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

Resolution against agenda no-16

The committee discussed the matter in the light of MOEFCC Notification dated 15/01/2016 and recommended to issue the following terms of reference (TOR) for the preparation of EIA.

1. The TOR shall be valid strictly for the annual production/yearly production as given in the approved Mining Plans of the respective proposal.
2. Certificate from Mining Officer that there is no other mining area exit within 500 m periphery.
3. CSR cost to be calculated for individual lease.
4. An intimation regarding conducting the monitoring to be sent to concerned District Magistrate and State Pollution Control Board office.
5. The lab conducting the analysis should be authenticated and registered.
6. Public hearing to be conducted as per EIA Notification, 2006.
7. A copy of document in support of fact that the proponent is the rightful lessee of the mine should be given.
8. Approved mining plans for all the mining projects.
9. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production level, waste generation and its management and mining technology and should be in the name of the lessee. The mine plan

should take into account the conditions of the mine lease, if any, in terms of distance to be left un-worked from the river flowing nearby.

10. The study area will comprise of 10 km zone around the mine lease from the lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
11. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory route of fauna, water bodies, human settlements and other ecological features should be indicated.
12. Land use plan of mine lease area should be prepared to encompass pre-operational, operational and post-operational phases and submitted.
13. Location of National Parks, Sanctuaries, Biosphere Reserves, wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the state Wildlife Department / Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished.
14. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out covering both terrestrial and aquatic flora and fauna. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on field survey clearly indicating the Schedule of the fauna present.
15. Impact of change of land use should be given.
16. Impact of mining on the hydrology of the area including water flow in the river adjoining the mine lease. It should also take into account the inundation of mined out area due to flow of water from the river.
17. R & R plan / compensation details for the project affected people should be furnished. While preparing the R & R plan, the National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Governments.
18. 02 km kachcha haul road to be made motorable. Submit Plan.
19. One season (Non Monsoon) primary baseline data on ambient air quality ($PM_{2.5}$, PM_{10} , SO_x and NO_x), water quality, noise level, soil and flora and fauna shall be collected and the AAQ data so collected presented data-wise in the EIA and EMP report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified.
20. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM_{10} particularly for free silica should be given.
21. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicle for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind rose showing pre-dominant wind direction may also be indicated on the map. The impact of stone crusher nearby should also be taken into account.
22. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
23. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
24. Details of water conservation measures proposed to be adopted in the projected should be given.

25. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
26. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard, may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of groundwater should also be obtained and copy furnished.
27. Details of first order stream, if any passing through lease area and modification diversion proposed, if any and the impact of the same on the hydrology should be brought out.
28. Details of rainwater harvesting proposed, if any, in the project should be provided.
29. Information on reduced levels site elevation, working depth, groundwater table etc. below natural surface level should be provided. A schematic diagram may also be provided for the same.
30. Quantity of solid waste generated to be estimated and details for its disposal and management should be provided. The quality, volumes and methodology planned for removal and utilization (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
31. The reclamation plan, post mine land use and progressive green belt development plan shall be prepared in tabular form (prescribed format) and submitted.
32. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State government) should be covered.
33. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
34. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
35. Phase-wise plan of green belt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
36. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard, should be provided. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. Special attention should be in view of the stone crusher nearby.
37. Measures of social-economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
38. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia should include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts beside other impacts of the projects. It should also take into account the impacts due to stone crusher nearby and also provide for preventing the silt from going into the river.
39. Risk assessment and disaster management plan due to inundation of mine as a result of its location close to the river should also be examined and addressed.
40. Public hearing shall be undertaken as per law. Public hearing points raised and commitment of the project proponent on the same along with the time bound action plan to implement the same should be provided.

41. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
42. The cost of project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
43. Present position of distances of railway lines, National Highway including culverts and bridges, Reservoir, lake, Canal, Road including culverts & bridges, Soil conservation works, nursery plantation, check dams, water supply schemes & irrigation schemes, water sources such as Springs, Infiltration galleries, Percolation wells, Hand pumps, Tube wells and existing flood control / protection work should be included and indicated in location map.
44. Proponent should submit attested photocopy of the sanction of mining lease by the State Government.
45. The company will have a well laid down Environment Policy approved by its Board of Directors and it may be detailed in EIA report.
46. The Environment Policy must prescribe for standard operating process/ procedures to bring into focus any infringement / deviation / violation of the environment or forest norms/conditions and it may be detailed in EIA.
47. The hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions and details of this system may be given.
48. The company must have a system of reporting of non-compliance/violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large. This reporting mechanism should be detailed EIA reports.

17. Proposed River Bed Sand/Morrum Mining Project from Betwa River for M/s Kanhaiyan Lal And Sons located at Gata No.- 1782, 1783, Khand No- 03, Village- Muhana, Tehsil- Orai, District-Jalaun, U.P., Sanctioned Lease Area: 8.906 ha , Effective Workable Area- 8.016 Ha, File No. 4171/Proposal No. (SIA/UP/ MIN /73809/2018)

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

- 1- The environmental clearance is sought for Proposed Sand/Morrum Mining located at Gata No.- 1782, 1783, Khand No- 03, Village- Muhana, Tehsil- Orai, District-Jalaun, U.P., Sanctioned Lease Area: 8.906 ha , Effective Workable Area- 8.016 Ha.
- 2- Salient features details of the project is as follows:

1. On-line proposal No.	SIA/UP/MIN/73809/2018
2. File No. allotted by SEIAA, UP	4171
3. Name of Proponent	Shri Umesh Chandra Bansal
4. Full correspondence address of proponent and mobile no.	M/s Kanhaiya Lal And Sons Proprietor: Shri Umesh Chandra Bansal S/o Shri Kailash Narayan Bansal R/o Village - Jautai Road , Near Radha krishna temple, Porsa, District - Muraina, M.P. 476115
5. Name of Project	Sand/Morrum Mining
6. Project location (Plot/Khasra/Gata No.)	Gata No. 1782,1783, Khand No. 03
7. Name of River	Betwa
8. Name of Village	Muhana

9. Tehsil	Orai		
10. District	Jalaun		
11. Name of Minor Mineral	Sand/Morrum Mining		
12. Sanctioned Lease Area (in ha)	8.906 ha		
13. Mineable Area (in ha)	8.016 ha		
14. Zero level mRL	110 mRL		
15. Max. & Min mrl within lease area	116 mRL and 110 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	Sanctioned Lease Area		
	A	25°48'28.70"N	79°27'38.85"E
	B	25°48'28.74"N	79°27'47.18"E
	C	25°48'17.01"N	79°27'48.44"E
	D	25°48'15.97"N	79°27'38.88"E
	Workable Mining Lease Area		
	A	25°48'28.70"N	79°27'38.85"E
	E	25°48'28.76"N	79°27'46.24"E
	F	25°48'16.87"N	79°27'47.54"E
	D	25°48'15.97"N	79°27'38.88"E
17. Total Geological Reserves	6,23,420 m ³		
18. Total Mineable Reserves in LOI	89,060 m ³ /year		
19. Total Proposed Production (in Five Years)	4,45,300 m ³ in 05 years		
20. Proposed Production/year	89,060 m ³		
21. Sanctioned Period of Mine lease	5 years		
22. Production of mine/day	323.8 m ³ /day		
23. Method of Mining	Bar Scalping or Skimming method (Semi mechanized/ OTFM-Other than fully mechanized, as per IBM & SSMG, 2016) using: <ul style="list-style-type: none">• Scraper/light earth movers• Chain based Bulldozer for rescue & salvage• Loader• Truck & tractors for transportation		
24. No. of working days	275 days		
25. Working hours/day	12 hours		
26. No. Of workers	Approximately 52 labours		
27. No. Of vehicles movement/day	36 units		
28. Type of Land	Government Waste Land (Revenue land)		
29. Ultimate Depth of Mining	3 m		
30. Nearest metalled road from site	SH 21(Bilaraya-Sitapur-Panwari)– 0.31 km*(North)		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.52	
	Suppression of dust	12.0	
	Plantation	0.02	
	Others (if any)	-	
	Total	12.54 KLD	

32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1720/RA 0078 and Valid till 02/04/2020.
33. Any litigation pending against the project or land in any court	None
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Jalaun. Letter No. 02/Khanij-MMC-30 dated 02/04/2018
35. Details of Lease Area in approved DSR	Page No 12; Table No.3
36. Proposed CSR cost	5% of total project cost i.e. Rs.7,00,221/-
37. Proposed EMP cost / Total Project Cost	Rs. 28,41,775/- & 1,40,00,000/-
38. Length and Width of Haul Road	1000 m Length and 6 m width
39. No. of Trees to be Planted	45

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

Resolution against agenda no-17

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure 1 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:

1. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
2. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
3. One month monitoring report of the area for air quality, water quality, Noise level, Flora & Fauna should be conducted twice a week and be submitted within 45 days for a record.
4. Provision for cylinder to workers should be made for cooking.
5. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
6. Provide suitable mask to the worker.
7. kaccha approach road is to be made motarable and tree saplings to be planted on both sides of the road.
8. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
9. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
10. Provision for two toilets and hand pumps should be made at mining site.
11. Drinking water for workers would be provided by tankers.
12. Mining should be done by Bar scalping or skimming methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
13. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.

14. Total Project Cost has been submitted as Rs. 1,40,04,425. A CSR plan with minimum Rs. 7,00,221 work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers, Jalaun, U.P.
15. Detail of works under CSR which has to be executed as above is to be submitted with an affidavit to Directorate as well as to the District magistrate / Chief Development officers, Jalaun, U.P.
16. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of Receipt shall be produced to the Directorate of Environment along with the compliance report.
17. Measure for conservation of water rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CSR.
18. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place, suitable measure to be taken and details to be provided to concerned Department.
19. Width of the haul road shall be more than 6 meter.
20. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.

(Dr. Sarita Sinha)
Member

(Dr. Arvind Mathur)
Member

(Dr. Virendra Mishra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Richhpal Singh Sangu)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Ramesh Chand Kataria)
Member

(Shri Meraj Uddin)
Member

(Dr. Rajive Kumar)
Member

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

Annexure-1

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM
MINING PROPOSAL**

General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any change in mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours time.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that mining operation of Sand/Moram will not in any way disturb the, velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB and SEIAA within 02 months.
15. Primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB and SEIAA within six months.
16. Hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB and SEIAA and this activity should be completed before the start of sand mining.

18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CSR component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P and UPPCB.

34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regard, the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Annexure-2

Specific Conditions for Sand Moram Mining :-

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of cluster of equal to or more than 25 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. 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.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard, clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of

the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

15. The critical parameters such as PM₁₀, PM_{2.5}, SO₂ and NO_x in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
20. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchayat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.