Minutes of 376th SEAC Meeting Dated 12/12/2018

The 376th meeting of SEAC was held in Directorate of Environment, U.P. on 12/12/2018 following members were present in the SEAC:

1.	Dr. (Prof.) S.N. Singh,	Chairman
2.	Dr. Arvind Mathur,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Richhpal Singh Sangu,	Member
6.	Shri Ramesh Chand Kataria,	Member
7.	Dr. Ajoy Kumar Mandal,	Member
8.	Shri Meraj Uddin,	Member

The Chairman welcomed the members to the 376th SEAC meeting. The SEAC unanimously took following decisions on the agenda points discussed:

1. <u>Proposed Project of Common Biomedical Waste Treatment Plant, Town- Hapur, Khasra</u> <u>No.- 102-104, M/s Environ Waste Connections. File No. 4488/3134/Proposal No.</u> <u>SIA/UP/MIS/ 29098/2018</u>

RESOLUTION AGAINST AGENDA NO-01

A presentation was made by the project proponent along with their consultant M/s Prakriti Consultants Services. The committee discussed the matter and noted that there is sitting guidelines that another facility within the 75 KM radius can only be established if the existing facility has already achieved a target of 10,000 beds. As two facilities existing in 75 KM radius, therefore a letter from CMO indicating that they have already achieved 10,000 beds each may kindly be submitted.

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

2. <u>Proposed Construction of Additional Ethanol Tank (Capacity- 1600 KL) at Mughalsarai</u> <u>Terminal within existing Plant at IOCL, Mughalsarai, District- Chandauli. File No. 4499/</u> 4282/Proposal No. SIA/UP/IND2/ 29187/2017

RESOLUTION AGAINST AGENDA NO-02

A presentation was made by the project proponent along with their consultant M/s Projects & Development India Ltd. The committee discussed the matter and directed the project proponent to submit following information:

- 1. Submit copy of CTO & CTE.
- 2. Compliance report of CTO & CTE along with monitoring data.
- 3. Surface water, ground water quality and ecological study are to be carried out.

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

3. <u>Proposed Group Housing "Ajnara Integrity" is located at Khasrai No.- 977, 978, 979, 981, 983, 1043, 1050, , NH-58, Village- Noor Nagar, District- Ghaziabad, U.P.,M/s Ajanara India Ltd. File No. 4524/3727/Proposal No. SIA/UP/NCP/29463/2016</u>

RESOLUTION AGAINST AGENDA NO-03

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

4. <u>Proposed Group Housing Project "Sanchar Arcade Sahkari Awas Samiti Ltd." at Khasra</u> <u>No.- 236 & 237, Village- Morta, District- Ghazaibad, U.P., M/s Sanchar Arcade</u> <u>SahkariAwasSamiti Ltd., File No. 4333/Proposal No. SIA/UP/NCP/22881/2018</u>

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

- 1. The environmental clearance is sought for Proposed Group Housing Project "Sanchar Arcade Sahkari Awas Samiti Ltd." at Khasra No.- 236 & 237, Village- Morta, District- Ghazaibad, U.P., M/s Sanchar Arcade Sahkari Awas Samiti Ltd.
- 2. Terms of reference in the matter were issued vide Letter no. 340/Parya/SEAC/4333/2018 dated 20.08.2018 under violation category.
- 3. The committee noted that the project proponent has proposed the bank guarantee for an amount of Rs.24,44,000/- equivalent to the amount of remediation plan and natural and community resource augmentation plan.

S. No.	PARTICULARS		AREA (m2)			
1.	Plot Area		10,033.60			
2.	Area under 24 m road widening		566.83			
3.	Green Lawn area		1420.01			
4.	Net Plot Area (after road widenin	g and green)	8046.76			
5.	Permissible Ground Coverage (@	235 % of net plot area)	2816.36			
6.	Achieved Ground Coverage inclu	iding Stilt(@25.14% of net plot area)	2023.586			
7.	Permissible F.A.R. (@2.50 +1.25	9 Purchasable + 10% compoundable)	32,186.95			
8.	Achieved F.A.R (@2.89)		23,294.81			
	Residential FAR		23,219.81			
	Convenient Shopping FAR		75.00			
9.	Basement Area		5596.08			
10.	Non- FAR Area including Fire st	aircase, mumty, machine room, etc	827.845			
11.	Stilt Area		1250.59			
12.	Total Built-Up Area (8+9+10	+ 11)	30,969.325			
13.	Dwelling units		198 Nos.			
14.	Green Area (@26% of net plot a	rea)	2090.01			
15.	Surface Parking Area		2450.00			
16.	Road and Paved area		1483.164			
17.	Maximum Height of Building (B	+S+12 Floors)	40.15			
5. S	alient features of the project:					
PROJEC	T FEATURES	DESCRIPTION				
Total Pop	oulation	1140 persons (fixed + floating)				

148 KLD (Fresh water = 96 KLD)

4. Area details of the project:

Water Requirement

Project	cost		INR 43.103	38 Crore					
Waste V	Vater		118 KLD						
Power I	Demand		884 kVA						
Power F	Back-up (DG sets)		680 kVA (1 X 500 kVA+1 X 180).						
Source of	of Power		Uttar Prade	sh Power Com	pany	Limited (U	PPCL	_)	
Rain Wa	ater Harvesting		2 RWH pit	s					
Solid W	aste		523 kg/day						
Parking	Facilities		As per Gha	ziabad Bye La	ws = 2	293 ECS			
Require	d		As per Mol	EFCC norms =	234 E	ECS			
Provide	d		295 ECS						
5. Wa	ter calculation details:								
S. N.	Description		Occupan	су	Rate	of wa	ater	Water	Requirement (KLD)
1	DOMESTIC WATER				uem	und (iped)			
	Residents		990		135			133 65	
	B) Floating Population		,,,,,		100			100.00	
	Staff		50		45			2.25	
	Visitors		100		15			1.50	
Sub Tot			100		15			137 KI	D
2	Horticulture (2090 m^2)				5 1/s	am/day		11 KU	
Grand T	Total (1+2) = 148 KLD				5 113	qiii/uay			J
6 Wa	ste water details:								
Domestic	Water					137 KI D			
Erech (@	70% of domestic)					96 KI D			
Fluching	(@ 30% of domestic)					41 KLD			
Wastewa	ter (@ 80% fresh ± 100	% flushing)				76.8 ± 41	- 11	8 KI D	
STP Can	$\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$	// ilusiling)	142 KI			0 KLD			
7. Soli	id waste details:					112111			
S. No.	Category		Norms (kg	(capita/day)			Waste generated (kg/dav)		
1.	Residents		990 @ 0.5	0 kg/dav			495		
3.	Staff		50@ 0.25	kg/dav			12.5	5	
4.	Visitors		100@ 0.15	kg/dav			15		
5.	Landscape waste		@ 0.2 kg/a	.cre/day			0.10)2	
	(0.51 acre)		U	5					
	TOTAL SOLID WA	STE					522	.60 say	523 kg/day
	STP SLUDGE						12 ł	kg/day	
8. Par	king details:								
S. No.	DESCRIPTION							P	arking (ECS)
Parking F	Required as per MoEFC	C & Bye-laws	:						U
1.	Residential facilities			1 ECS/100 m	² FAR	area		2	34 ECS
Parking Achieved:									
1.	Open Parking	2450 m^2		1 ECS per 23	m ²			9	7
2.	Basement Parking	5382.57 m^2 1 ECS per 32m ²					158		
3.	Stilt Parking	1217.36 m ²		1 ECS per 28	m^2			4	0
TOTAL	PARKING ACHIEVED)		*				2	295 ECS
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9. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-04

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

Specific Conditions:

- 1. The project proponent shall be submit a bank guarantee of Rs. 24,44,000/- equivalent to the amount of remediation plan and natural and community resource augmentation plan within 15 days to the SPCB. The bank guarantee shall be released after successful implementation of the EMP, and after the recommendations of the concerned Regional Office of the Ministry, the SEAC and approval of the regulatory authority.
- 2. The State Govt./SPCB to take action against the project proponent under the provisions of section 19 of Environment Protection Act, 1986.
- 3. Adequate parking for visitors should be provided at the entrance gate of buildings.
- 4. Maids working in the flats have to be essentially provided toilets and the rest room in the campus. Similarly the security guards may be provided these facilities separately.
- 5. A convenient shopping center has to be provided to meet the requirement of the residents on day to day basis.
- 6. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy.
- 7. Use of reflecting paints on the roof top and side walls of the building for cooling effect.
- 8. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
- 9. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 10. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
- 11. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
- 12. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- 13. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
- 14. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- 15. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
- 16. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
- 17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 18. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- 19. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- 20. Corporate Environmental Responsibility (CER) shall be submitted by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provide in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 21. No parking shall be allowed outside the project boundary.

- 22. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- 23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
- 24. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
- 25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 26. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
- 27. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- 28. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
- 29. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 30. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 31. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
- 32. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 33. Roof top water to be only channelized to RWHs. Arrangement shall be made that waste water and storm water do not get mixed.
- 34. All the internal drains are to be covered till the disposal point.
- 35. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
- 36. The bank guarantee shall be released after successful implementation of remediation plan and natural and community resource augmentation plan, and after recommendation by Regional Office of Ministry, Expert Appraisal Committee or State or Union Territory level Expert appraisal committee and approval of the regulatory authority.

5. <u>EC for 19 MW Co-generation Power Plant at Village-Sujanpur, Tehsil & District-Badaun,</u> <u>U.P., M/s Yadu Sugar Ltd. File No. 4536/3002/Proposal No. SIA/UP/THE/29541/2015</u>

A presentation was made by the 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 19 MW Co-generation Power Plant at Village-Sujanpur, Tehsil & District-Badaun, U.P., M/s Yadu Sugar Ltd.

- 2. The Terms of Reference (TOR) in matter were issued by the SEIAA vide Letter No. dated 13/08/2015.
- 3. Public hearing was conducted on 24.10.2016.
- 4. Total land area for the industry is 128 acres. Within this area, a land of 20 acres has been earmarked for the bagasse based power plant.
- 5. The proposed power plant shall be established within the existing premises of the Yadu Sugar Limited. No additional land shall be acquired.
- 6. The powerhouse would utilize locally available bagasse as a boiler fuel to the tune of 40 tons per hour, which is 1180 Tons/day (maximum load).
- 7. Fuel requirement regarding the project:

S1.	Requirement		Balance			
No.	Material	Source	INPUT		OUTPUT	
					Product	Waste
1	Bagasse	Sugar	Season	Bagasse (160 Days)	19 MW Power	3247MT
		Factory		:162355 MT	Generation	(Ash)
			Off- Season	Bagasse: 42927 MT		858 MT
				(55 operation days)		(Ash)
2	Water	Borewell &	47 m ³ /day		Steam	78
		treated water			Generation	m ³ /day
		from ETP				

8. The project proposal falls under category–1(d) of EIA Notification, 2006 (as amended).

Resolution against agenda no- 05

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with following 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 PM_{10} , $PM_{2.5}$, SO_2 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 form 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, 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. No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- 2. PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
- 3. In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
- 4. A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
- 5. A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- 6. Arrangement shall be made that effluent and storm water does not get mixed.
- 7. Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the U.P. Pollution Control Board.

- 8. Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- 9. The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- 10. Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 11. Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- 12. 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.
- 13. Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- 14. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- 15. Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- 16. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- 17. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the SEIAA, U.P.
- 18. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the SEIAA, U.P., on 1st June & 1st December of each calendar year.
- 19. The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO₂, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- 20. 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- 21. Solid waste, vermin composting will be done.
- 22. 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.
- 23. Flow measurement device should be installed at the outlet of ETP.
- 24. Minimum 33% of total plot area shall be developed as green belt as per norms of MoEF.
- 25. Water meter shall be installed at the points of effluent generation.
- 26. Storage of ash and baggase shall not be left open. Storage places should be on remote sides of the villages.
- 27. Authorization for hazardous waste shall be obtained as per law.
- 28. Corporate Environmental Responsibility (CER) shall be submitted by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provide in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be

submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.

- 29. SPM level from chimney should be restricted under current norms.
- 30. No Effluent Discharge shall be made in public domain.
- 31. Online Monitoring Systems for effluent monitoring shall be installed.
- 32. To reduce the emission of particulate matter and gasses, Electrostatic Precipitator shall be installed and connected with Boiler duct.
- 33. 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 biocomposting in the Distillery.
- 34. Commitments made during the Public Hearing shall be complied with.
- 35. Plan for 12 m peripheral grren and plantation in three rows of 4.0 m distance. C/w 5.0 m is to be submitted and shown on layout plant.
- 36. All storm water drain and conveyor belt should be covered.
- 37. Any litigation pending in the Courts of Law it shall be binding on project proponent.
- 38. Parking facility should be provided within the project premises.
- 39. 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.

6. <u>Expansion of Group Housing Project "Gaur Atulyam" at Plot No.- GH-01, Sector -</u> <u>Omnicron- I, Greater Noida, District- GautamBudha Nagar, U.P., M/s U.P. Township</u> <u>Infrastructure Pvt. Ltd. File No. 4541/4224 /Proposal No. SIA/UP/NCP/29574/2018</u>

A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro 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 "Gaur Atulyam" at Plot No.- GH-01, Sector - Omnicron- I, Greater Noida, District- GautamBudha Nagar, U.P., M/s U.P. Township Infrastructure Pvt. Ltd.
- 2. Environmental Clearance for the earlier proposal was issued through SEIAA letter no. 1979/Praya/SEAC/1658/2013/OSD(T) dated 12th Oct, 2013.
- 3. Terms of reference in the matter were prescribed in SEAC meeting dated 20/08/2018.
- 4. Salient features of the project:

Name a	and Location of the Project		Group hou	using proj	ject "Gaur A	tuly	am" at Plot No: G.H. – 01A,		
			Sector – Omicron - I, Greater Noida, U.P						
Develo	pers of the project		M/s U P T	ownship l	Infrastructure	Pvt	. Ltd		
Total F	Plot Area		32780.70	m^2 .					
Built-u	p Area		Built up a	rea increa	ases from 181	061	$.441m^2$ to 195071.11 m ² (due		
			to Green B	Building &	k informal sec	tor	development)		
Total n	o of Dwelling Unit		1480 (excl	uding info	formal sector u	inits	3)		
Total	Fresh Water Requirement		467.3 KLE)					
Power	Requirement		6045.0 KVA						
Power	Backup		1250.0 KVA (05 Nos.)						
Total F	Parking Proposed		1599 ECS (excluding informal sector)						
Solid Y	Waste to be Generated		3.33 T/Day						
Total F	roject Cost	Approx : 251.0 Crore (After Amendment)							
Solar L	ights	Street light proposed (100 % solar light proposed in open area)							
5.	Area details of existing and	oject:							
S.	Particulars	As per Exist	Existing EC After Modification & Remark						

Minutes of 376th SEAC Meeting Dated 12/12/2018

No.					Expansion				
1	Total Pl	ot Area	32,780.70 sq.mt.		32,780.70 sq.mt		No Chang	No Change	
2	Permiss Coverag	ible Ground	11,473.25sq.mt. (3	5%)	9,340.11 sq.mt.	(30%)	Change in	norms	
3	Propose	d Ground Coverage	6,485.11 sc (19.78%)	ı.mt.	8,590.16 sq.mt.	(26%)	Change in	design	
4	Basic F	AR	1,20,469.07 sq.mt.		1,20,469.07 sq.n	nt.	No chang	e	
5	Propose	d FAR	1,20,439.55 sq.mt.		1,20,294.23sq.m	nt.	change in	design	
6	Non FA Stilt + F	R Area (Basement + facility area)	60,621.89 sq.mt.		74,776.88 sq.mt	•	Change i 15% Prese	n design including cribed FAR	
7	Built-up	Area	181061.4 sq.mt.		195071.12 sq.m	t. Change Green Bi		in design due to ilding FAR	
8	Landsca	pe area required	11,109.43sq.mt.		12,095.27 sq.mt	12,095.27 sq.mt. 50 % of		pen area	
9	Landsca	pe area provided	11,350.45sq.mt.		12100.45 sq.mt.		50.59 % c	of Open area	
6.	Land us	e details:	·				•	-	
S. No.	F	Particulars		Area	(sq.mt)		% of Total	Plot	
1	(Covered Area		8590.	16		26.20		
2	F	Road, Paved Area etc.		12090).09		36.88		
3	Ι	andscape Area		12100	0.45		36.92		
4	Г	Total Land Area		32,78	0.70		100 %		
7.	Built up	area calculation:							
S. No.	Par	rticulars			After Proposed	ter Proposed Expansion Area (in m ²)			
1.	Re	sidential FAR			1,30,389.96				
	(in	cluding informal sect	or)						
2.	Fac	cility Area			7,111.68				
3.	Ba	sement Area (02 Nos.) Non FAR		53,709.76				
4.	Sti	lt Area			3,859.73				
5.	To	tal Built Up Area			1,95,071.11 m	2			
8.	Water re	equirement details:				1			
Particu	ılars	No. of Flats Area	/ Total Population (@ 4.5/ unit)	n Tot in I	Total Fresh Water Flus in KLD Recy in K		ing/ cled Water .D	Total Domestic Water in KLD	
Reside	ntial	1480	6660	432	2.9	139.8	6	572.76	
Popula	tion			(@	65 LPCD)	(@21	LPCD)	10.00	
Total Popula Reside	Flo tion (10% ntial Pop.	ating % of	666	9.9 (@	9 15 LPCD)	3.3 (@5]	LPCD)	13.30	
Comm	ercial Are	a 1147.32	115	4.0		1.1		5.20	
				(@	35 LPCD)	(@10	LPCD)		
Miscel	laneous	I		20	/	10	- /	30.0	
Horticu	ulture (810	69.660 sqmt) @ 1 lt/ s	qm			11.4		11.10	
Total v	vater requ	irement	•	467	7.3	166.6	2	634.0	
9.	Waste w	vater details:							
Details Water (KLD)))		
Water requirement for domestic purpose (Fresh water) 467.3							,		
Water	requireme	ent for Flushing Purpo	se				166.62		
Wastev	water to be	e generated from Flus	hing (@ 100% of flu	shing r	equirement)		166.62		
Sub-To	otal Wate	r demand	· •	U	- ^		467.3+166.6	62	
							= 633.9 KL	D or can say 634.0	
	KLD								

Waste Water Generated (80% of Total Water Demand)49810. The project proposal falls under category–8(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-06

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

- 1. Minimum 1% of solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
- 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 area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 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 area development prior to occupation of the buildings.
- 10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 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. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 15. No parking shall be allowed outside the project boundary.
- 16. 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.
- 17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.

- 18. 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.
- 19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 20. 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.
- 21. 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.
- 22. 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.
- 23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 25. 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.
- 26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 27. Convenient shops, bank, canteen, post office and medicine shops etc. to be provided within complex.
- 28. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
- 29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
- 30. All the internal drains are to be covered till the disposal point.
- 31. 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.
- 32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

7. <u>Construction of Additional Tankages and Pumps at IOCL Lucknow Terminal located at Amousi, District-Lucknow, U.P., M/s Indian Oil Corporation Ltd. File No. 4542/Proposal No. SIA/UP/IND2/ 29575/2017</u>

RESOLUTION AGAINST AGENDA NO-07

A presentation was made by the project proponent alongwith their consultant M/s Projects & Development India Ltd. The committee discussed the matter and decided that a site visit shall be undertaken by Dr. (Prof.) S.N. Singh, Chairman, SEAC, Dr. Virendra Misra, Member, SEAC, Shri Arvind Mathur and Shri Meraj Uddin, Member, SEAC for spot verification. The matter shall be discussed after receipt of inspection report

8. <u>Haier North Industrial Park located at plot no.-H6 at DMIC Integrated Industrial</u> <u>Township, G. Noida. U.P., M/s Haier Appliances (India) Pvt. Ltd. File No. 4547/Proposal No.</u> <u>SIA/UP/NCP/ 83457/2018</u>

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

- 1. The environmental clearance is sought for Haier North Industrial Park located at plot no.-H6 at DMIC Integrated Industrial Township, G. Noida. U.P., M/s Haier Appliances (India) Pvt. Ltd.
- 2. Total plot area is 123.39 acres (499343.76 m²) out of which 316162.00 m² is for phase-I and rest area i.e. 183181.76 m² is for phase-II. Built up area of the project will be 145697 m².

PROJECT FEATURES	DETAILS						
Estimated Population	1895 persons						
Total Water Requirement with source	728 KL (Treated water from STP of GNIDA)						
Construction phase	760KLD (Domestic – 78 KLD + Industrial Process – 324 KLD + Horticulture						
Operation phase	– 358 KLD)						
Estimated wastewater generation and	Total approx. 145 KLD	wastewater					
treatment	73 KLD (STP based on	MBBR Technology)					
Domestic Wastewater	72 KLD (ETP)						
Industrial Wastewater							
Power Demand and Source	Total installation power	r - 24295 kW					
Power Back-up	Active power - 10702 k	άW					
	Transformer capacity -	13850 kVA					
	Total DG sets capacity	-1000 kVA (4*250 kVA)					
Solid Waste Generation	460 kg/day						
Parking Facilities Required	308 ECS for car and 108 truck parking						
Provided							
Project Cost	Rs. 1386.01 Crores						
4. Land use details:							
Details		Area (m^2)	Percentage				
Total Plot Area		499343.76					
Plot Area considered for Phase-I		316162.00	100				
Ground coverage for Refrigerator Plant		37691					
Ground coverage for Washing Machine P	lant	28299					
Ground coverage for Air-Conditioner Plan	nt	28299					
Ground coverage for Store House		16587					
Ground coverage for Dormitory		1920					
Ground coverage for Canteen		2763					
Ground coverage for HO Office		3492					
Ground coverage for Service Area		2132					
Ground coverage for Security Building		246					
Open Area		194733	61.60				

3. Salient features of the project:

5. Area details of the project:

Green Area

Road Area

Parking Area

S.NO.	DESCRIPTION	AREA (SQ. M)	PERCENTAGE
1	Land Parcel Area/ Plot Area	499343.76	
1a	Land Parcel Area/ Plot Area left for future Expansion phase-II	183181.76	
1b	Land Parcel Area/ Plot Area considered for phase-I	316162	100

121590

50599

22544

2	Permissible Ground Coverage	e @55%		173889.1					
3	Total Achieved Ground cover	age @ 38.40 of Phase	e- I area	121429	38.	4			
a)	Refrigerator Plant	0		37691					
b)	Washing Machine Plant			28299					
c)	Air Conditioner Plant			28299					
d)	Store House			16587					
e)	Dormitory			1920					
f)	Canteen			2763					
r) g)	HO Office			3492					
b)	Service Area			2132					
i)	Security Building			246					
4	Total Permissible FAR (@1)			316162					
5	Total Achieved FAR(@0.461)		145697					
6	Open Area)		194733		61	60		
7	Parking Area			22544		01.			
8	Total Built-up Area			145697					
9	Road Area			50599					
10	Permissible Green Area (50%	of open area)		97366 5					
10	Proposed Green Area (62 449	6 of open area)		121590		-			
12	Max No. of Floors			$\frac{121370}{G+3}$		-			
12 6 I	Dopulation datails:			0+5					
0. 1		01.11.1	<u> </u>	1	77 1 11	1		T (1	
S. No.	Unit Type	Skilled	Semi- Skilled	1	Unskilled	1		Total	
1.	REF	225	720	160				1105	
2	AC	45	90		70			205	
3	WM	45	90		70			205	
4	Staff	130							
5	Visitor	250			T			1005	
Grand T	otal (1+2+3+4+5)							1895	
7. \	Water requirement details;								
S. No.	Description	Area (m ²)	Total Occupancy	cy Rate of ward (lpc		ater cd)	Total Requir	Water ement (KLD)	
А.	Domestic Water								
	Staff		1645	45			74		
	Visitors		250		15		3.75		
Total dom	nestic water demand (A)(a+b)	= 77.75 say 78 K	LD						
В	Industrial Process Demand					3	24		
C.	Horticulture and Landscap	e 121590 m^2			2.85	3	58		
	development								
Grand To	tal (A+B+C) = 760 KLD								
Total Fres	sh water requirement (30% of a	domestic req.)				23	KLD		
8. V	Waste water details:								
Water req	uirement			Quant	ity (KLD)				
Domestic	Water Requirement		78						
Fresh (30	Fresh (30% of domestic)								
Flushing	(70% of domestic)		55						
Domestic	Domestic wastewater Generated (80% fresh + 100% flushing)								
Industrial	Process Demand	6	,	324					
Industrial	Wastewater			72					
9 9	Solid waste generation detai	ls:							
S. No.	Category	Population/ Area	Kg per cap	ita per da	У	Was	te gener	rated (kg/day)	
	(Acre)) 25kg/day			411.25	

2.	Visitors	250	@ 0.15 kg/day	37.5
TOTAL DO	448.75			
4.	Landscape waste(for green belt)	30.05	@ 0.19 kg/acre/day	5.7
5.	STP Waste			5
TOTAL SO	LID WASTE GENERATE	D		460 kg/day

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

RESOLUTION AGAINST AGENDA NO-08

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

- 1. Minimum 1% of solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
- 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 area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 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 area development prior to occupation of the buildings.
- 10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 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. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 15. No parking shall be allowed outside the project boundary.
- 16. 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.

- 17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
- 18. 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.
- 19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 20. 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.
- 21. 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.
- 22. 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.
- 23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 25. 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.
- 26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 27. Convenient shops, bank, canteen, post office and medicine shops etc. to be provided within complex.
- 28. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
- 29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
- 30. All the internal drains are to be covered till the disposal point.
- 31. 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.
- 32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

9. <u>Proposed Affordable Housing "Saryu Enclave" is located at Sector- 7D, Awadh Vihar</u> <u>Yojana Zonal Plan, Amar Shaheed Path, Village- Sevi, Pargana- Bijnor District- Lucnkow,</u> <u>U.P.,M/s Uttar Pradesh Awas Evam Vikas Parisha. File No. 4552/Proposal No.</u> <u>SIA/UP/NCP/ 84065/2018</u>

The committee noted that the matter was earlier discussed in 275th SEAC meeting dated 17/06/2016 wherein the project proponent was directed to submit following information:

- 1- Area Chart Approved by Competent Authority should be submitted.
- 2- Submit revised calculation of generation and use of recycle water.
- 3- Certificate should be submitted stating that peripheral green will not be less than 2 meter.
- 4- Calculation for revised surface parking should be submitted.

- 5- Certificate should be submitted stating that zonal green having a kuccha pond is being provided by housing board which will be used for the collection of surface run off.
- 6- Letter from Nagar Nigam should be submitted for municipal solid waste disposal .
- 7- Justification required for 4200 KW.
- 8- Solar based lighting details to be submitted.
- 9- Structural design vetted by Reputed Institute should be submitted.
- 10- Certificate stating that NOC from Airport is not required.

The project proponent submitted their replies through letter dated 07/05/2018. A presentation was made by the project proponent along with their consultant M/s Sawen consultancy Services Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1. The environmental clearance is sought for Proposed Affordable Housing "Saryu Enclave" is located at Sector- 7D, Awadh Vihar Yojana Zonal Plan, Amar Shaheed Path, Village- Sevi, Pargana- Bijnor District- Lucnkow, U.P.,M/s Uttar Pradesh Awas Evam Vikas Parisha.
- 2. Area details of the project:

Description	n			Area in SQMT					
Plot Area				20171.74					
Built Up A	Area			93924.04					
No. of Flo	oors			B+S+13 (38.7 m)					
Standby D	DG Set			01 x 175 KVA					
Total Park	king Provision			1026 ECS					
Total Pop	ulation $= 4150$ personnel			3400 Residents					
				50 Commercial &	Service Staff				
Floating F	opulation			700 (approx.)					
Sources of	f Water Supply			Through Awadh V	ihar Zonal Supply				
Total Con	sumption of Water			334.0 KLD					
Total Was	ste Water Generated			244.0 KLD					
Total MS	W Generated			2236.0 Kg/Day					
Proposed	Rain Water Harvesting			03 nos.					
STP Capa	acity			300.0 KLD					
Total Proj	ect Cost			Rs. 250.15 Crore					
3. Pr	oposed facility:								
Project Co	omponents								
2BHK + S	STORE								
3 BHK +	STORE								
Commerc	ial Area								
Communi	ty Centre								
Pool									
4. La	and use details:								
S. No	Details		A	rea (sqmt.)	Percentage				
1	Ground Coverage		71	59.10	35.50				
2	Green Area		20)17.17	10.00				
3	Road Area		61	12.92	30.30				
4	Surface Parking Area		48	382.55	24.20				
	TOTAL PLOT AREA 20171.74 100.00								
5. Total ECS provided =									
6. W	ater requirement detai	ls:							
WATER	USE CALCULATION								
S. No.	Water Use	Population		Per Capita in	Water	Waste Water			
		_		(LPCD)	Requirement	Generation			

				(KLD)	(KLD)
1	Residents	3400	86	292.0	234.0
	Service Staff	20	45	0.9	0.72
	Commercial Staff	30	45	1.4	1.08
4	Floating Population	700	15	11.0	8.0
TOTAL D	DOMESTIC WATER RE	QUIREMENT		305.3	243.8
5	DG Set Cooling	175 KVA	0.9l/4hr/KVA	0.63	NIL
6	Gardening	2017.17 m^2	1 l/m^2	2.0	NIL
7	Swimming Pool	-	Lump sum	30.0	NIL
	(Makeup Water)				
TOTAL V	VATER REQUIREMEN		338.0	244.0	

7. Solid waste generation details:

Type of Waste	Colour of Bins	Category	Disposal	Total Waste	
				(Kg/day)	
Organics	Green	Bio Degradable	Municipal Solid Waste Site	1172	
Paper	Blue	Recyclable	Approved Recycler	277	
Metals					
Glass					
Textiles					
Plastic					
Stone, Ash & Miscellaneous	Grey	Non-Bio	Municipal Solid waste Site	682	
		degradable			
Total expected MSW: 2236.0 Kg/day					

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

RESOLUTION AGAINST AGENDA NO-09

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

- 1. Minimum 1% of solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
- 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 area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 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 area development prior to occupation of the buildings.

- 10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 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. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 15. No parking shall be allowed outside the project boundary.
- 16. 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.
- 17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
- 18. 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.
- 19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 20. 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.
- 21. 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.
- 22. 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.
- 23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 25. 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.
- 26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 27. Convenient shops, bank, canteen, post office and medicine shops etc. to be provided within complex.
- 28. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
- 29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.

- 30. All the internal drains are to be covered till the disposal point.
- 31. 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.
- 32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

10. Proposed Project at Plot No.- 3,4, A-6, 7, 8, A-9/2, Sikandrabad, Industrial Area Bulandshahar, District–Bulandshahar, U.P. File No. 4526/Proposal No. SIA/UP/IND/29509/2018

A presentation was made by the 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 Project at Plot No.- 3, 4, A-6, 7, 8, A-9/2, Sikandrabad, Industrial Area Bulandshahar, District –Bulandshahar, U.P. M/s Amba Shakti Industries Limited.
- 2. Salient features of the project:

Particulars	Details
Company Name	M/s Amba Shakti Industries Limited
Location	Plot No. 3& 4 A-6,7,8 A-9/2 Sikandrabad Industrial Area, Bulandshahr-203206
Latitude	28°29'10.3"N
Longitude	77°38'36.0"E
Category of the project	Item : 5 (k) Induction/ arc furnaces/ cupola furnaces 5TPH or more.
Proposed Capacity	1500 MT/day
Land Area	12.4 ha
Khasra Number	3& 4 A-6,7,8 A-9/2
Estimated Project Cost	9186.13 Lacs
Nearest Highway	NH-91 0.13 km
Particulars	Details
Nearest Railway station	Ajaibpur (5.11 KM)
Nearest Airport	Indira Gandhi International Airport Delhi (54.89 KM)
Archaeological important places	None 10 Km
Wild Life Sanctuaries	None 10 Km
Nearest Town/City	Greater Noida 13.77 KM
Hill ranges	None
Seismic Zone	The site is located in the Seismic Zone IV, as per the seismic zoning
	map of India given in BIS code IS: 1893 (Part1)-2002
3 Raw Material Details:	

Raw Material	Percentage	Tonnes Per Annum
Pig Iron	10	46000
Scrap	40	190000
Sponge	50	262000

- 4. Water Usage & Waste Water Generation :
- ▶ Water is mainly used in water recirculation system of wet scrubber.
- The other source of water usage is for domestic &gardening purpose. Cooling/Scrubbing : 200 KL/day Domestic : 20 KL/day
 - Gardening : 10 KL/day
- > Water is re-circulated back in wet scrubber to the tune of 100%.
- > Domestic waste water of around 12 KL/day is disposed off in septic tank.
- ➢ STP Installation:

The unit will install STP of capacity 50KL/day for treatment of waste water.

- 5. Solid Waste generated from induction furnace are slag about 60 to 70 ton/day and dust collected from cyclone & wet scrubber.
- 6. The project proposal falls under category–5(k) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-10

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

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

- ii. Details w.r.t. option analysis for selection of site
- iii. Co-ordinates (lat-long) of all four corners of the site.
- iv. Google map-Earth downloaded of the project site.
- v. 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.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. 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)
- viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. 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)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
 - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
- 6) Environmental Status :
 - i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based Page 22 of 64

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.
- 7) Impact and Environment Management Plan:
 - i. Assessment of ground level concentration of pollutants from the stack emission based on sitespecific 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.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health :
 - i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of heath status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy :
 - i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
 - v. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 10) Enterprise Social Commitment (ESC)
 - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise

Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 11) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 12) A tabular chart with index for point wise compliance of above TOR.
- 13) Details of proposed layout clearly demarcating various units within the plant.
- 14) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
- 15) Details on design and manufacturing process for all the units.
- 16) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- 17) Details on requirement of raw materials, its source and storage at the plant.
- 18) Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- 19) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 20) Details on toxic content (TCLP), composition and end use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

11. <u>Proposed Mix use Development Project "The Wave Mega City Centre" at Sector- 32, Noida,</u> <u>District- G.B. Nagar, U.P. File No. 4537/Proposal No. SIA/UP/NCP/ 29527/2018</u>

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

- 1. The environmental clearance is sought for proposed Mix use Development Project "The Wave Mega City Centre" at Sector- 32, Noida, District- G.B. Nagar, U.P., M/s Wave Megacity Centre Pvt. Ltd.
- 2. Environmental clearance for the earlier proposal was issued by SEIAA, U.P. vide Letter. No. 576/SEAC/1048/2011/AA(S) dated 22/03/2012.

D . 1						
Details	As per Earlier Approved EC	Revision in EC				
Developer of the Project	Wave Megacity Centre Pvt. Ltd.					
Project Cost (Crore)	8698 Cr.					
Total Plot Area(sqm)	6,18,952.80 Sqm	1,64,821.13 Sqm				
Built- up Area (sqm)	53,58,120 Sqm	14,10,308.98 Sqm				
Total Water Consumption	15,946 KLD	8310 KLD				
Total Freshwater	6493.10 KLD	4937 KLD				
Requirement						
Power Requirement	300000 KVA	52000 KVA				
Power Backup	100 DG sets (100x2750KVA)	36 DG sets of capacity of				
		(8X1000+16X2000+4X1500+8X2250+2X750+2X630)				
		The DG will be radiator cooled except 8X2250 KVA				
		will be water cooled.				
Total Parking Provided	51325 ECS	14108 ECS				
Solid Waste Generated	59335.6 Kg/day	30116 Kg/day				
No. of RWH Pits	35	76				
Mix Use Development project	"at Sector 32, Noida, Gautam Bud	ldh Nagar, Uttar Pradesh by Wave Megacity Centre Pvt.				
Ltd.						

3. Salient features of the earlier and expansion proposals:

Parcel 3D, 3F, 3H,3E,3G, 3J, 3L & 2B, 2C, 2D				Parking required as per Noida bye laws					
				Parking Required $= 13007$					
				Proposed Parking = 14108					
Total	Plot A	rea = 164821.13 m^2		Nun	nber of trees proposed fo	r plar	ntation = 925		
Built-u	ıp Area	a = (FAR + Non FAR): 14	4,10,308.98 m ²						
Investr	nent =	Rs. 8698 Cr.		Tota	l Water Demand = 8310) KLE)		
				Fres	hwater Requirement = 4	937 F	KLD		
Total C	Green A	$Area = 49081 \text{ m}^2$		Tota	I waste water generation	n = 60	065 KLD		
(29.78	% of t	otal Plot Area)							
MBBR	R Tech	nology		STP	Capacity = 7278 KLD c	capaci	ity		
				(KL	D capacity each)				
Power	Requi	rement = 52000 KVA		Run	off – 1383 m ³ /hr				
DG Se	ets = 5	58,760 KVA (8x1000+ 2	2x630+12x2000+ 2x750+	Tota	ll rain water Harvesting	pits =	= 76 pit; Volume of Pit		
8x2250	0+4x1	500)		is 4.	55 m ³				
Solid v	waste:	30116 kg / day		Inter	rnal Road Width = 18 m	tr. wi	de		
STP Sludge: 910 kg/day									
4	. Are	a details of the project:							
S. No.		Area Statement		Ar			rea (in Sq.m.)		
Total Plot Area						821.13			
2. Permissible FAR						741	691.658		
3.		Permissible Additional	FAR		37084.58				
4.		Proposed FAR				741	691.658		
5.		Proposed additional FA	R (5% as per green buildin	g) 370			84.58		
6.		Total Proposed FAR (4	& 5)	7,7			8,776.238		
7.		Proposed Non-FAR (ser	vice area)	631532.74			532.74		
8.		Permissible Ground Cov	verage @45% of Plot Area	7416			69.166		
9.		Proposed Ground covera	age @ 44% of Plot Area	7233			36		
10.		Total Built-up Area (6+	7)			14,	10,308.98		
11.		Landscaped Area @29.7	78% of total Plot Area			490	081		
5	. Pop	ulation details:							
S.	Parti	culars	Built Up Area sqm/No	o. of	Unit Population		Population		
No units			1		Calculation				
Residential/Service 2632			4.5 person / unit		11,844				
apartment			1						
2.	Reta	il / Commercial	4,33,509		3.5 / sqm		1,23,859		
3.	Offic	ces	4,47,476		1 Person per 10 / sqm		44,748		
4.	Float	ting Population			(10 % of Of	fice	4,475		
		-		Population)					
5.	Mult	iplex / Convention	22,187		1.4 / sqm		15,848		

Multiplex / Convention Total Population

6. Water requirement details:

S. No.	Parameter	Total details
1	Total Water Requirement	8310 KLD
2	Fresh Water Requirement	4937 KLD
3	Wastewater Generation	6065 KLD
4	STP Capacity	400 KLD
5	Treated Water Available for Reuse	3263 KLD
6	Flushing Water	2116 KLD
7	Landscape Water	147 KLD
8	DG Cooling	500 KLD
9	HVAC Cooling Makeup	500 KLD
10.	Swimming Pool	100 KLD

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

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2,00,774

RESOLUTION AGAINST AGENDA NO-11

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

- 1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
- 2. Allotment letter from concerned development authority.
- 3. All approved drawings/maps alongwith approved services plans.
- 4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
- 5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
- 6. Physical features within 30 m of the project sites with their ownership.
- 7. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
- 8. Use of reflecting paints on roof top and side walls.
- 9. Details of rain water harvesting are to be given.
- 10. Provision of 100% solar lighting along the road site, stair cases, common places.
- 11. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
- 12. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
- 13. Water requirement and its management plan along with necessary permissions for discharge.
- 14. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
- 15. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
- 16. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
- 17. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
- 18. Landscape plan, green belts and open spaces may be described separately.
- 19. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
- 20. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
- 21. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
- 22. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
- 23. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
- 24. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
- 25. Identification of recyclable wastes and waste utilization arrangements may be made.

- 26. Explore possibility of generating biogas from biodegradable wastes.
- 27. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
- 28. Provisions made for safety in storage of materials, products and wastes may be described.
- 29. Disaster management plan should be prepared.
- 30. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
- 31. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
- 32. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
- 33. Provide service road for entry and exit to project site.
- 34. Use of local building materials should be described.
- 35. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
- 36. Work out MGLC for the combined capacity of DG sets.
- 37. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
- 38. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
- 39. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
- 40. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
- 41. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
- 42. 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.
- 43. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
- 44. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

- a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:
 - I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."

- II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
- III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
- IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.
- b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.
- c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
- d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
- e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
- f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
- g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
- h. The EIA document shall be printed on both sides, as far as possible.

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

12. <u>Proposed Integrated Township at Naini, District-Allahabad, U.P. File No. 4539/Proposal No.</u> <u>SIA/UP/NCP/ 29579/2018</u>

A presentation was made by the project proponent along with their consultant M/s ENV DAS (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 Integrated Township at Naini, District-Allahabad, U.P.
- 2. Salient features of the project:

S. No.	Particulars	Details (m^2)
1	Total Plot Area	3,91,981.82

2	Commercia	Commercial Area				1,41,113.45(36%)					
3	Residential	dential Area				2,50,868.37(64%)					
4	Permissible	F.A.R Area(@2	2.5) (a)				9,79,954.	55			
5	Purchasable	e FAR (@1.25) (b)				4,89,977.27				
6	Total achiev	vable $FAR = (a +$	·b)				14,69,931.82				
7	Total Propo	sed FAR					700330.5	0			
8	Non-FAR										
9	Community	center					10,968.00)			
10	Police statio	on & fire					1067.24				
11	Basement						4,70,378.	18			
12	Indoor Stad	ium					3430.00				
13	Electrical S	ub Station					200.70				
14	EWS						22,908.1	1			
15	Total Non F	FAR Area					5,08,952.	23			
16	Built- Up A	rea (FAR + Nor	FAR)				1209282.	73			
17	Ground Cov	verage	,								
18	Proposed T	otal Ground Cov	verage				36,933,99	97			
19	Number of	towers	8-				20 tower				
20	Number of	Type V Res					25 Units				
21	Maximum I	Height of the bui	lding				(B2 + B1)	+ GF+ 19 floors	s) 70 m Approx.		
22	Total No of	residential Unit	s				1.325 Un	its	,) · • ···· · ···		
23	Total Resid	ential Population	1				6.625 per	son			
24	Total Comr	nercial Population					18.700 pe	erson			
25	1.5 ECS/10	0 m^2 of FAR ar	ea for resid	len	tial		4 240 FCS				
	(2.82.693.7	75 m2)					8,266 ECS				
	1 ECS/50 r	1 ECS/50 m2 of FAR for commercial (4					12,506 E	CS			
	Total Requi	Total Required Parking									
26	Provided Pa	Provided Parking						12,550 ECS			
	(Open and I	Basement)									
27	Two Wheel	er Parking Provi	ded				3,000 Vehicle Space (@ 2 m2 per vehicle)				
29	Total Open	Area					3,55,047.83				
30	Required tr	Required trees (1 tree/ 80 m2 of Open area)					4438.09 Trees				
31	Proposed T	rees	1		,		4500 Trees				
32	Landscape	area					62,681.21 (15.98% of net plot area)				
33	Area for roa	ads & circulation	1				292366.62				
34	Power requ	irement & sourc	e				3595 KW (UPPCL)				
35	Water Requ	irement					1819 KLD				
3.]	Land use details:	:									
Land us	e Type	•		A	(in m ²)		Percentage (%)				
Ground	Coverage			3	6.933.99		9	9			
Green A	rea			6	2.681.21		1	6			
Open &	pen & paved area(Services)			2	.92.366.61		7	75			
Total A	Area			3	.91.981.82		1	00			
4	Water requirement details:										
S No	Description	unit/Area	Total		Rate of water	Т	`otal	Total	Total Water		
5.110.	Description	$(in m^2)$	Occupanc	v	demand (lpcd)	F	Fresh	Flushing	Requirement		
		(occupune	5	actituita (ipea)	W	Vater	water (KLD)	(KLD)		
						ā	KLD	(1112)	(1112)		
1.	Residential +	1005 Units	6.625	5	Fresh Water @	4	30	139	569		
	+EWS/LIG	320 Unit=	0,010		65 LPCD						
	_	Total 1325			Flushing Water						
		units			@21 LPCD						
2.	Commercial	-			Fresh Water @	5	60	280	840		
			18,700	0	30 LPCD						
					Flushing Water						
						-					

				@15 LP0	CD				
3.	Staff	5% of total		Fresh W	ater @				
		population	1243	30 LPCE)	38	19		57
		1 1		Flushing Water					
				@ 15 LP	CD				
4.	Visitors			Fresh Wa	ater @				
		10% of total	2533	5 LPCD		13	26		39
		population		Flushing	Water				
				@ 10 LP	CD				
Total Do	mestic water					1041	464		1505
5.	Landscape devel	lopment 62	$2,681.21m^2$	5	L/sqm		314		314
Total Wa	ater Requirement					1041	778		1819
Grand T	botal = 1819 KLD								
5.	Waste water deta	ails:							
Water/W	aste Water Details	8				1			
Fresh Wa	ater for domestic u	ises				1041 KLD)		
Flushing						464 KLD			
Horticult	ure / Landscape					314 KLD)		
Total Wa	ater Requirement					1819 KLD			
Source of	Source of water - Ground Water								
Waste wa	ater - 1355 KLE)							
STP Cap	bacity - Waste	water will be disc	harged into	CSTP of .	Allahaba	ad Developm	ent Aut	hority (C	capacity 80 MLD)
present a	djacent to the proj	ect site.							
6.	Parking details:								
Required	l Parking			2				T	
1.5 ECS/	$\frac{100 \text{ m}^2}{2}$ of FAR at	rea for residential	(2,82,693.7	5 m^2)				4,240	ECS
1 ECS/50	$0 \text{ m}^2 \text{ of FAR for contracts}$	ommercial (4,13,3	02.50 m^2)					8,266 I	ECS
Total Re	quired Parking							12,506	ECS
Total Pro	posed Parking								
Basemen	t Parking (Baseme	ent area for parkin	g – 3,60,000	m^{2})				12,550	ECS
Total Pro	posed Parking for	two wheelers						3000 E	CS
7.	Solid waste deta	ils:							
Particula	rs		Populat	tion	Norms	(kg/day)		Total wa	ste (kg/day)
Resident	Residential (@ 0.5 kg/ person/ day) 6625 0.5							3313	
Commer	cial (0.25 kg/pers	on/day)	18700		0.25			4675	
Visitors	(10%)		2533		0.15			380	
Staff	Staff 1243 0.25 310								
Total Wa	Total Waste Generation 8678								
Horticult	ure waste (62,681	.21 m ²)	0.003	37 kg/m^2				232	
e-waste 0.15kg/capita/year 10									

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

RESOLUTION AGAINST AGENDA NO-12

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

- 1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
- 2. Allotment letter from concerned development authority.
- 3. All approved drawings/maps alongwith approved services plans.
- 4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
- 5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services,

facilities of the project also in percentage.

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

mentioned.

- 33. Provide service road for entry and exit to project site.
- 34. Use of local building materials should be described.
- 35. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
- 36. Work out MGLC for the combined capacity of DG sets.
- 37. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
- 38. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
- 39. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
- 40. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
- 41. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
- 42. 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.
- 43. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
- 44. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

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

- c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
- d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
- e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
- f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
- g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
- h. The EIA document shall be printed on both sides, as far as possible.

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

13. <u>Expansion of LPG Bottling Plant from 1063 MT to 1963 MT at UPSIDC Industrail Area, at Village & P.O.- Rati Ka Nagla, Tehsil- Sikandra Rao, District- Hathras Salempur, U.P., M/s Bharat Petroleum Corporation Ltd. File No. 4550 /Proposal No. SIA/UP/IND2/ 29704/2018</u>

A presentation was made by the 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 LPG Bottling Plant from 1063 MT to 1963 MT at UPSIDC Industrail Area, at Village & P.O.- Rati Ka Nagla, Tehsil- Sikandra Rao, District- Hathras Salempur, U.P., M/s Bharat Petroleum Corporation Ltd.
- 2. Total area of the plant is 39.5 acre. Proposed MSV will be installed within existing area, no additional land is required.

Sl No.	Area Break up		Area in Sq Meter	Area in Acre	% of Area
	Total Existing F	Plant Area	18192.145	4.495	11.37
	Total Propose	ed Area for MSV	3400	0.840	2.13
	Installation				
	Total Road Area	а	24038.33	5.92	14.98
	Total Greenbelt	Area	62,887.508	15.53	39.31
	Total Open Are	a(parking+ roads etc)	51476.014	12.72	32.20
Total Plant	Total Plant Area			39.5	
4. St	torage details of	the plant:			
Sl. No. Product Types of storage unit				Quantity	Capacity (MT)
Existing(Capacity – 1063 N	/(T):-			
1.	LPG	Bullets(Above ground)		3	150

3. Area details of the project:

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2.	LPG	Mounded sto	ded storage vessel(MSV)			1			613
Proposed (Capacity – 900 MT):-									
1.	LPG					3	3		300
		Mounded stor	rage vess	sel					
5. Sa	alient featu	ures of the project:							
Water requ	irement:-								
Particulars		Existing (K	LD)			Prope	Proposed Total (KLD)		
						(KLD))		
Domestic		10				-		10	
Industrial		10				-		10	
Power requ	irement:-								
Particulars Existin			g (KVA)	Prope	Proposed 7		Total (KVA)	
Electricity	(From II	ttar Dradach State	250			$(\mathbf{K}\mathbf{V}P)$	$(\mathbf{K}\mathbf{V}\mathbf{A})$		
Electricity	Board LIP	SFR)	230			150		400	
D G Sets	Dourd , OI		380 KV	VA (1 No.). 320 KVA				380	KVA (1 No.) 320 KVA
D.0 500			(1 No.)). 125 KVA (1 No.)				(1 No.), 125 KVA (1 No.)	
Manpower	requireme	nt:-	(11(01)	, 120 11	(11(0))			(11)	
Existing	- 1				Proposed			Tota	1
1.BPCL pl	ant officers	- 08			-			120	
2.General of	operators a	nd clerical staffs - 16							
3.Contract	ual workers	s - 96							
6. W	aste gene	ration details:							
Solid waste	e generation	n:							
No solid w	aste genera	ited							
Hazardous	generation	:							
Schedule		Туре		Dispos	al method	(Quantity		
5.1		Used/spent oil				2	200 Lt/ye	ar	
5.2		Wastes/residues con	taining	TSE	OF/ Recycler				
		oil							

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

RESOLUTION AGAINST AGENDA NO-13

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

- 1. Executive Summary.
- 2. Introduction:
 - (i) Details of the EIA Consultant including NABET accreditation.
 - (ii) Information about the project proponent.
 - (iii) Importance and benefits of the project.
- 3. Project Description:
 - (i) Details of existing and proposed facilities with class/type and quantity of petroleum products to be stored.
 - (ii) Cost of project and time of completion.
 - (iii) Products with capacities for the proposed project.
 - (iv) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - (v) Approval of revised layout plan and approval from PESO.
 - (vi) List of raw materials required and their source along with mode of transportation (quantity should be given in tonnage).

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

4. Site Details:

- (i) Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- (ii) A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places).
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site.
- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- (vii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (viii) Landuse break-up of total land of the project site (identified and acquired), government/ private agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
- (ix) A list of major industries with name and type within study area (10 km 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 5 km radius of the study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (Mega green field projects).
- (xii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- (xiii) R&R details in respect of land in line with state Government policy.

- 5. Forest and wildlife related issues (if applicable):
 - (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
 - (ii) Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
 - (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6. Environmental Status:
 - (i) Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - (ii) AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based 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 (100 m 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 ScheduleI fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - (xi) Socio-economic status of the study area.
- 7. Impact and Environment Management Plan:
- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case, the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall

also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- (ii) Water Quality modelling in case of discharge in water body
- (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyorcum-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.
- (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- (xii) Action plan for post-project environmental monitoring shall be submitted.
- (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8. Occupational health:
 - (i) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - (ii) Details of exposure, specific health status, evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations, give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - (iii) Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - (iv) Annual report of health status of the workers with special reference to Occupational Health and Safety.
- 9. Corporate Environment Policy:

- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- (ii) Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- (iv) Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 12. A tabular chart with index for point wise compliance of above TOR.
- 13. Details on list of hazardous chemicals to be stored alongwith storage quantities at the facility, their category (as per MSIHC Rules), MSDS.
- 14. Mode of receiving hazardous chemicals in isolated storages and mode of their dispatch.
- 15. Layout plan of the storage tanks and other associated facilities.
- 16. Details on types and specifications of the storage facilities including tanks, pumps, piping, valves, flanges, pumps, monitoring equipments, systems for emissions control safety controls including relief systems.
- 17. Arrangements to control loss/leakage of chemicals and management system in case of leakage.
- 18. Risk Assessment & Disaster Management Plan:
 - Identification of hazards
 - Consequence Analysis
 - Details of domino effect of the storage tanks and respective preventive measures including distance between storage units in an isolated storage facility.
 - Onsite and offsite emergency preparedness plan.

14. <u>Ordinary Sand/Morrum Mining Project from Ghaghara River at Gata No./ Khand</u> <u>No./Zone No.- Gha 14, Village- Leaving Rajauli Buzurg Up to Soharabhar, Tehsil- Gola,</u> <u>District- Gorakhpur, U.P., (Leased Area: 6.00 ha) File No. 4561/Proposal No.</u> <u>SIA/UP/MIN/84538/2018</u>

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

- 1- The environmental clearance is sought for Ordinary Sand/Morrum Mining Project from Ghaghara River at Gata No./ Khand No./Zone No.- Gha 14, Village- Leaving Rajauli Buzurg Up to Soharabhar, Tehsil-Gola, District- Gorakhpur, U.P., (Leased Area: 6.00 ha).
- 2- Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 84538/2018
2.	File No. allotted by SEIAA, UP	4561
3.	Name of Proponent	Smt. Chandra Prabha Singh

4. Full correspondence address of proponent and mobile	R/o- Vill- Dumaraav Thana-S	Saraylakanavi Tehsil- Sadar
no.	District- Mau (U.P)	
5. Name of Project	Area 14.82 Acres (6.00	Ha) On Ghaghara River for
	Ordinary Sand mining project	t at Gata no/Khand No Zone no
	-Gha 14, Village- Leaving Ra	ijauli Buzurg Upto Soharabhar,
	Tehsil- Gola, District- Gorak	npur, U.P
6. Project Location(Plot.Khsra/Gata No.)	Khand No./Gata No- Gha 14	
7. Name of River	Ghaghara River	
8. Name of Village	Leaving Rajauli Buzurg Upto	Soharabhar
9. Tehsil	Gola	
10. District	Gorakhpur	
11. Name of Minor Mineral	Ordinary Sand	
12. Sanctioned Lease Area (in Ha.)	6.0 Ha	
13. Mineable Area (in Ha.)	5.19 Ha	
14. Zero level mRL	65.0mRL	
15. Max. & Min mRL within lease area	72.0 mRL in NW & 68.0mR	L in SW
16. Pillar Coordinates (Verified by DMO)	Point Lattitude	Longitude
	A 26°16'30.78"N	83°26'19.22"E
	B 26°16'28.08"N	83°26'34.29"E
	C 26°16'23.21"N	83°26'33.60"E
	D 26°16'25.77"N	83°26'18.25"E
17. Total Geological Reserves	2.40.000 m ³ /Annum	
18. Total Mineable Reserve in LOI	$1.20.000 \text{ m}^3/\text{Annum}$	
19 Total Proposed Production	$1,20,000 \text{ m}^3/\text{Annum}$	
20 Proposed Production in 5 Years	1,20,000 III // IIIIdiii	
	Year Production	
	1^{St} 1 20 000 m ³ /Au	anum
	2^{nd} 1 20 000 m ³ /Au	anum
	$\frac{2}{3^{rd}}$ 1.20,000 m ³ /Au	anum
	4^{th} 1.20,000 m ³ /Au	
	5^{th} 1.20,000 m ³ /A	
	$\frac{5}{1,20,000}$ m ³	
21 Constituted Decised of Mine Lance		
21. Sanctioned Period of Mine lease	5 fears	
22. Production of mine/day	335 m /Day	the second Minima Made at /Dea
23. Method of Mining	Open cast Manual / Semi Met	d (as non IDM Dulas %
	Scalping of Skimming Metho	(as per IBM Rules &
24 New Grand Line dama	55MMG, 2016 MOEF & CC	,601)
24. No. of working days	225 Days	
25. Working hours/day	8 Hours	
26. No. of worker	40 Worker	
27. No. of vehicles movement/day	59 Trucks / Day	
28. Type of Land	River Bed (Govt. Land)	
29. Ultimate of Depth of Mining	2.5 m	
30. Nearest metalled road from site	3.80 Km	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.40
	Suppression of dust	12.0
	Plantation	0.63
	Others (if any)	
	Total	13.03 KLD
32. Name of QCI Accredited Consultant with QCI No and	Ind Tech House Consult	
period of validity.	QCI No.87	
	Period of Validity- 31-01-202	21
33. Any litigation pending against the project or land in any	No	
court		

34. Details of 500 m Cluster Map & Certificate verified by	764/Khanij-2018
Mining Officer	Dated 01-10-2018
35. Details of Lease Area in approved DSR	Given Table on Page No-15
	At Sr. No. 06
36. Proposed CER cost	1.48 Lac
37. Proposed EMP cost	14.91 Lac
38. Length and breadth of Haul Road	1000 mtr Length & 6m width haulage road

- 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 ecofragile 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-14

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- No mining activity should be carried out in-stream channel as per SSMMG, 2016.
- 2- Pakka motorable haul road to be maintained by the project proponent.
- 3- A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 4- Permission from the competent authority regarding evacuation route should be taken.
- 5- Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
- 6- Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
- 7- One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
- 8- Provision for cylinder to workers should be made for cooking.
- 9- The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
- 10- Provide suitable mask to the workers.
- 11- Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
- 12- Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
- 13- The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
- 14- Provision for two toilets and hand pumps should be made at mining site.
- 15- Drinking water for workers would be provided by tankers.
- 16- Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 2 ft) as per sustainable sand mining management guidelines 2016.
- 17- A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
- 18- Corporate Environmental Responsibility (CER) plan with minimum Rs. 1.8 Lakh/year shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. 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, Gorakhpur, U.P.

- 19- 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.
- 20- Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
- 21- 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 should be taken and details to be provided to concern Department.
- 22- Width of the haul road shall be more than 6 meter.
- 23- 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.

15. <u>Shri Radha Vrindavan Chandra Mandir, Krishna Lila Theme Park and Group Housing at</u> <u>Vrindavan Distt: Mathura. File No. 4568/3254/Proposal No. SIA/UP/NCP/ 85047/2018</u>

The committee noted that the matter was earlier discussed in SEAC meeting dated 28/06/2016 wherein the project proponent was directed to submit following information:

- 1. Submit all revised approved building plans with services to all the members and the Directorate.
- 2. Submit approved and vetted structural plan by structural engineering from IIT.
- 3. Submit comparative statement of status of construction with date and photographs alongwith proof.
- 4. Revise Fire and Airport Authority is to be submitted.
- 5. Section of all internal roads proposed with R/w and C/w showing all services is to be submitted.
- 6. Area detail including percentage of green with details of soft and hard green is to be submitted.
- 7. Map showing sewage water supply, rain water harvesting pits, road section and other services should be submitted.
- 8. Parking plan is to be submitted as per bye-laws. Parking provision for special occasion during festival should be made.
- 9. 03 m row of plantation in necessary around the periphery.
- 10. Landscape plan with park furniture is to be submitted.
- 11. Total project cost is Rs. 800 Cr. Corporate Social Responsibility (CSR) cost is Rs. 16.0 Cores; need based project plan of phase wise work to be done along with budgetary provision should be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. List of beneficiaries and address and photographs is to be submitted accordingly.
- 12. All community facilities of 10,000 populations are to be provided as per bye-laws and to be marked in layout plan.
- 13. STP capacity has to be 20% more capacity than volume of waste water generated.

The project proponent submitted their replies through letter dated 09/08/2016. The matter again listed in 290th SEAC meeting dated 03/09/2016 and directed as follows:

"The committee noted that an environmental clearance was accorded to the project through SEIAA letter dated 10/07/2010 with validity up to 10/07/2015. Now, environmental clearance is sought on revised plot area (110.157 acres). FAR for residential development is revised from 4,39,711.57 sqm to 2,57,314.1 sqm. Page 42 of 64

However, Akshyay Patra (Kitchen Building) and main temple building area remained unchanged. Built up area of township has been revised from 6,22,496.2 sqm to 5,55,401.4 sqm. Units planned for housing project have been revised from 3824+380 EWS+380 LIG to 444 Villas+2091 group housing+458 LIG and EWS. Parking facilities have been revised from 02 level parking for 1600 cars, 100 buses, 500 two wheelers to 6408 ECS.

The committee discussed the matter and directed the project proponent to submit all building/services plan as approved by development authority in bind file format with index. The structural design certificate should be submitted including complete project details (towers/floors etc). The structural design certificate should preferably be vetted by IITs/CBRI. Provision of alarm system, to timely notify the employees/residents, in case of occurrence of earthquake/other natural disasters/fire should be provided. The committee also noted that as plot area is being revised from 130.36 acres to 110.157 acres, the project proponent should clarify the details of activities previously proposed (and now deleted in revised project) on reduced area (130.36 acres - 110.157 acres) as per earlier EC. Reasons for revision of the project should also be mentioned. The proponent is directed to submit the comparative details of Tower wise/floor wise, villas and other built up areas before the proposed expansion."

The project proponent submitted their replies through letter dated 11/11/2018. A presentation was made by the project proponent alongwith their consultant M/s PARAMARSH. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1. The Environmental Clearance is sought for Modification in "Sri Radha Vrindavan Chandra Mandir, Krishna Lila Theme Park and Group Housing Project" Tehsil- Vrindavan, District- Mathura, UP M/s Hare Krishna Movement.
- 2. The environment clearance for the earlier proposal was issued through SEIAA, U.P. letter no. 1119/SEAC/379/2010/JDCA dated 10.07.2010.

	Items	EIA NOC	C 2010	APPROVED BY	MVDA -	Remarks
		(130.36 a	(cres)	2015 (110.15 A	ACRES)	
		Sqm	acres	Sqm	acres	
Total Plot Area	Total Plot Area	527566	130.36	445788.860	110.156	81761 sqm (20.20 acres) area could not be
	Already awned	272220.19	01.09	115700 060	110 156	purchased
	To be purchased	132070 82	32.86	443788.800 NII	110.130	
	To be resumed	22338.67	5.52	NIL		
Landuse	Residential, Community & other areas	448432.56	110.81	378786.10	93.60	All the amenities are same as earlier proposed, with different product mix
	OPEN GREEN AREA	79116.11	19.55	67016.00	16.56	<u> </u>
Max Height	Temple Height (m)	332.00		332.00		No change in Temple height as earlier proposed
	No. of Floors	B+G+17		B+S+14		No. of floor has been decreased from 17th Floor to 14th Floor
FAR	TOTAL PROJECT FAR AREA	1.1		1.00		Total Project FAR area is decreased from 1.1 to 1.0 FAR
Groud Coverage	Groud Coverage of Residential with amenties	22.52%		21.30%		Total Groud Coverage decreased from 22.52% to 21.30%

3. Comparative details of earlier proposal and proposed expansion proposals:

Minutes of 376th SEAC Meeting Dated 12/12/2018

Built-up Area	Built-up Area	578317.6	446359.65		131957.95 sqm area has been decreased
No. of Units					
Planned	Villas/Plotted	60	186		Total 1909 units decreased
	Dovelopment				
	Group Housing	3824	2091		
	LIG & EWS	760	458		
	Total Units	4644	2735		
Nos. of	Nos. of Block and	17 Blocks	14 Blocks and		
Block	Max. Height	and	Max height -		
		Max Height	B+S+14		
		B+G+17			
population	Population	23220	12675		
Water & waste					
water details	Fresh Water	4500 KLD	3200 KLD		Load on natural resources has been decreased in
	Recycled Water	1850 KLD	1640 KLD		
	Total Water	6350 KLD	5296 KLD		comparision to earlier one
	Requirement				
	STP Capacity	6500 KLD	4400 KLD		
	Wastewater	4400 KLD	3650 KLD		
	Generation				
	Source of Water	Ground	Ground water		
	Supply	water			
	DG Sets	1250 kVA *	1250 kVA * 10		
		15			
	Municipal Solid	12 TPD	9 TPD		
	waste				
Parking	Main Temple	2,491	4,296		
Requirements	Group	4,125	2,112		
	Housing/Apartment				
	Total Parking	6,616	6,408		
	Nos. of Trees		6536		

4. Land Use Details:

S.No	Items	Area	Area
		(sqm)	(acres)
1	Total land	4,45,788.86	110.157
2	Land left for road widening	1,018.42	0.252 acres
3	Area for development of the proposed project	4,44,770.44	109.905 acres
а	Akshaya Patra	4,930.45	1.218 acres
	(kitchen building)		
b	Main Temple	1,53,104.48	37.833 acres
с	Residential	2,82,729.13	69.864 acres
	(Group housing + villas + donor ashram)		
d	School	4,006.38	0.99

5. Area Statement:

Plot Area	4,40,764.05 sq m	-
Net Land for FAR	3,74,649.45 sq m	-
(After deduction of 15% as Green		
Area)		
	Proposed (sqm)	Permissible (sqm)
FAR	4,46,359.65	561,974.17
	@ 0.83	@ 1.5
Ground Coverage	87,186.100	149,859.779
	(19.78% of plot area)	(34% of plot area)
Green Area (Theme Park + Peripheral	1,76,305.65	66,114.61

Green + Parks)	(40 % of plot area)	(15% of plot area)
Road /Footpath/Driveways Area	1,23414.0	
	(28% of plot area	
Services/Surface Parking	53858.3	
	(12.2% of plot area)	
6. Area Statement of Developm	ent Mix:	
Items	Proposed (sqm)	Permissible (sqm)
AKSHAYA PATRA (KITCHEN BUIL	DING)	
FAR	3,130.50 (0.75)	6,286.32 (1.5)
Ground coverage	1,299.77 (26.5%)	1,676.35 (34%)
Items	Proposed (sqm)	Permissible (sqm)
MAIN TEMPLE AND RELATED FAC	CILITIES	
FAR	1,87,692.89 (1.44)	1,95,208.21 (1.5)
Ground coverage	34,578.50 (26.6)	52,055.52 (40%)
Temple Height	332 m	
RESIDENTIAL (GROUP HOUSING +	VILLAS + DONOR ASHRAM)	
FAR	2,55,536.26 (@1.06)	3,60,479.64
		(@1.5)
Ground coverage	51,307.83 (21.3%)	96,127.90 (40%)
Open area	3,74,649.85	(@ 85%
(including green area)		of total plot area)
Green area proposed	1,78,792	66,114.61 (15%)
	(@ 50% of open area)	
Units planned for Housing Project	Villas-444	
	Group housing – 2,091	
	LIG & EWS – 458	
Total Permanent Population	Plotted development – 2,220	
	Group housing – 10,455	
	LIG & EWS – 2,290	

7. Main temple and related facilities

<u> </u>		
Items	Proposed (sqm)	Permissible (sqm)
FAR	1,87,692.89 (1.44)	1,95,208.21 (1.5)
Ground coverage	34,578.50 (26.6)	52,055.52 (40%)
Basement (2 levels)	36900.39 sqm - Upper	
	36900.39 sqm – Lower	
	73800.7 sqm – Total	
Estimated population	Visitors 17 Lakhs annually	
to step in		
Temple Height	332 m	

RESIDENTIAL (GROUP HOUSING + VILLAS + DONOR ASHRAM)			
FAR	2,55,536.26 (@1.06)	3,60,479.64 (@1.5)	
Ground coverage	51,307.83 (21.3%)	96,127.90 (40%)	
Open area	3,74,649.85	(@ 85%	
(including green area)		of total plot area)	
Basement (1 level)	33464.0		
Green area proposed	1,78,792	66,114.61 (15%)	
	(@ 50% of open area)		
Units planned for Housing Project	Villas-444		
	Group housing – 2,091		
	LIG & EWS – 458		
Total Permanent Population	Plotted development – 2,220		
	Group housing – 10,455		
	LIG & EWS – 2,290		

Туре	Plot area	No. of DU	FAR per Type	GC per Type
Bungalow				
Bungalow Type A	400	36	11,534.76	6,907.79
(duplex) plot size-				
25mx16m				
Bungalow Type B1	234	20	4,339.02	2,578.56
(duplex) plot size-				
18mx13m				
Bungalow Type B2	234	20	4,284.50	2,589.76
(duplex) plot size-				
18mx13m				
Bungalow Type C	130	55	7,030.87	4,242.15
(duplex) plot size-				
13mx10m				
Apartment		1		
Apartment type	No of Block	No. of DU	FAR per Type	GC per Type
Type D (B+S+14)	6	336	40,418.76	3,406.68
Type E (B+S+14)	11	616	62,250.54	5,312.23
Type F (B+S+14)	4	224	15,860.32	1,260.56
Type F (B+S+13)	2	104	7,375.18	630.28
Type G (B+S+14)	6	672	31,508.22	2,552.58
Club and Shops			3,286.06	1,812.00
Sub Post office			200.00	200.00
Railway Reservation			150.00	150.00
Counter				
Damodar Kutir Ashram	1		22,976.25	2,187.17
(B+G+14)				
Govardhan Kutir	1		15,132.68	1,168.42
Ashram (G+14)				
Total FAR Achieved			2,26,347.16	34,998.18
One Floor added on	2	8	554.98	
tower nos. T14-F05-P2				
& T15-F06-P2 to utilize				
incentive FAR				
Total FAR including			2,26,902.14	
incentive FAR (
including LIG & EWS)				

8. Details of Group Housing:

9. Area detail including percentage of green with details of soft and hard green:

Plot Area	440,764.05 sq m	-
Net Land for FAR	374,649.45 sq m	-
(After deduction of 85% as Green Area)		
	Permissible (sqm)	Proposed (sqm)
FAR	561,974.17 @ 1.5	446,359.65 @ 0.83
Ground Coverage	149,859.779 (34% of plot area)	87,186.100
		(19.78% of plot area)
Soft Green	66,114.61 (15% of plot area)	67746.65
		(15.4 % of plot area)
Hard Green		1,11045.35
(Peripheral, Road Median, tot lots etc.)		(25.19 % of plot area)
10. Built up area calculation details		

Items	Area (sqm)
FAR	
Akshaya Patra	3130.50
(kitchen building)	

Main Temple	187692.89
Residential	2,55,536.26
(Group housing + Villas	
+ donor ashram)	
Total FAR	4,46,359.65
Non- FAR	
Basement	73800.78
Stilt	4004.0
Total Non- FAR	77,804.78
Build-Up Area	5,24,164.43
(FAR+ Non-FAR)	

11. 40 nos. of rainwater harvesting pits are proposed for the project.

12. Solid Waste Generation and Management Plan:

Particulars Population		Waste generated (Kg/day)		
Residential (@ 0.5 Kg/day)	16,650	8325		
Visitors (@ 0.15 Kg/day)	4,600	690		
Staff (@ 0.15 Kg/day)	1,350	203		
Akshaya Patra (@ 0.15 Kg/day) 1,50,000		22500		
Total Solid Waste Generated	31718			
Horticulture Waste	645			
E-Waste (0.15 Kg/C/Yr)	7			
STP Sludge		915		

13. Project Parking Details:

Project Parking Details								
S.	Description	Required parking	Proposed					
No.			parking					
1	Main temple	4293	4296					
2.	Group Housing/Apartment	2041	2112					
	TOTAL	6334	6408					

14. Power Requirement & Backup Details:

Power requirement	25,000 kVA
Source of power and supply capacity	Grid of UP Power Co. Ltd.
Backup power supply arrangement	1250*10 kVA
Location of Generator sets	At Substation
Stack Height	7.0 m + Highest Building Height

15. Green area details:

Plot Area	440,764.05 sq m
Ground Coverage	87,186.100
Open area	353577.95
Total Green Area	1,78,792sqm (35% of plot area)
Hard Green	1,11045.35 (25.19 % of plot area)
Nos. of Trees required	Total Open Area/80sqm = 4419nos.
Provided Trees	6536nos. (see the landscape plan)

16. The project proposals are covered under category 8"b" of EIA Notification, 2006, as amended

RESOLUTION AGAINST AGENDA NO-15

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

- 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 area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 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 area development prior to occupation of the buildings.
- 10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 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. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 15. No parking shall be allowed outside the project boundary.
- 16. 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.
- 17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
- 18. 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.
- 19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 20. 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.
- 21. 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.

- 22. 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.
- 23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 25. 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.
- 26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 27. Convenient shops, bank, canteen, post office and medicine shops etc. to be provided within complex.
- 28. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
- 29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
- 30. All the internal drains are to be covered till the disposal point.
- 31. 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.
- 32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

16. <u>Proposed Pradhan Mantri Awas Yojna (G+3) at Village- Mahua Khera, Fatehabad Road (Near Inner Ring Road), Tehsil- Sadar, District- Agra, U.P. File No. 4556/Proposal No. SIA/UP/NCP/84361/2018</u>

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

- 1- The environmental clearance is sought for Proposed Pradhan Mantri Awas Yojna (G+3) at Village-Mahua Khera, Fatehabad Road (Near Inner Ring Road), Tehsil- Sadar, District- Agra, U.P., M/s Agra Development Authority.
- 2- Total plot area and built-up area of the project is 53522.5 sq. m. and 86000 sq. m. respectively.
- 3- It comprises total of 126 number of blocks along with adequate parking facility, community hall & club, nursery school/ primary school and anganwari .
- 4- Maximum no. of proposed floors for residential block is G+3.
- 5- Salient features of the project:

Sl. No.	Description	Quantity	Unit			
GENERAL						
1	Gross Plot Area	81794.8	SQMT			
2	Area Under Master Plan Green & Future commercial Development	28272.3	SQMT			
3	Net Residential Development Area	53522.5	SQMT			
4	Proposed Built Up Area	86000	SQMT			
5	Number of Building Blocks (Residential only)	126	No.			
6	Total no of Saleable DU's	2016	No.			
7	Max Height of Building (Upto Terrace)	12.45	М			
8	Max No of Floors	G+3	No.			

9	Expected Population (10080 Residential+1930	12	032	No.				
10	Cost of Project	12	5.40	CR				
AREAS	AREAS							
11	Permissible Ground Coverage Area (50%)	26	761.25	SQMT				
12	Proposed Ground Coverage Area (32.2%)	17	260	SQMT				
13	Proposed FAR Area (158)			84	362	SQMT		
14	Proposed Total Built Up Area			86	000	SQMT		
WATER								
15	Total Water Requirement			90	8	KLD		
16	Fresh water requirement			67	1	KLD		
17	Treated Water Requirement			23	7	KLD		
18	Waste water Generation			76	2	KLD		
19	Proposed Capacity of STP			91	6	KLD		
20	Treated Water Available for Reuse			61	0	KLD		
21	Treated Water Recycled			23	7	KLD		
22	Surplus treated water to be discharged in Sewe	r		37	3	KLD		
RAIN WA	TER HARVESTING							
23	Rain Water Harvesting Potential			13	680.18	KL		
24	No of RWH of Pits Proposed			13		No.		
PARKINC	r							
25	Total Parking Required as / Building Bye Laws	S		40	32	SQMT		
26	Proposed Total Parking (For 02 wheelers)			40	32	SQMT		
GREEN A	REA							
27	Proposed Green Area (22.93% of plot area)			12	276	SQMT		
WASTE								
28	Total Solid Waste Generation			5.2	25	TPD		
29	Organic waste			3.1	6	TPD		
30	Quantity of E-Waste Generation- Kg/Day			27	.62	KG/DAY		
31	Quantity of Hazardous waste Generation			0.0	07	LPD		
32	Quantity of Sludge Generated from STP			51	8	KG/DAY		
ENERGY								
33	Total Power Requirement			28	25	KW		
34	DG set backup			12	5	KVA		
35	No of DG Sets			01		No.		
6- P	opulation details:							
RESIDEN	TIAL	DU'S	POP/DU		TOTAL POPU	LATION		
SALEABI	E DU'S	2016	5		10080	2		
TOTAL					10080			
NON RES	IDENTIAL							
COMMUN	NITY HALL/COMMERCIAL etc. (Employees	Area						
etc.)	(
CONVT (SHOPPING)	45.00			5			
COMMUN	VITY CENT	720.00			14			
NURSERY	(SCHOOL	500.00			83			
PRIMARY	SCHOOL			235				
HEALTH	CENTRE			10				
ANGANW	/ADI	250			42			
FACILITY	MANAGEMENT STAFF	LS			23			
TOTAL					412			
VISITORS								
RESIDEN	TIAL				1008			
COMMER	CIAL, COMMUNITY HALL & SCHOOLS				532			
TOTAL V	ISITORS				1540			
TOTAL P	OPULATION				12032			

-	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN KL
RESIDENTIAL			
DOMESTIC	10080	65	655.20
FLUSHING	10080	21	211
NON RESIDENTIAL (Working)			
DOMESTIC	412	18	7.41
FLUSHING	412	12	4.94
VISITORS			
DOMESTIC	1540	6	9.24
FLUSHING	1540	6	9.24
TOTAL POPULATION	12032		
	Area in sqm		
GARDENING	12276	1	12.27
	KVA		
TOTAL WATER REQUIREMENT			908

7- Water requirement details:

Head	Source	Quantity
Fresh Water Requirement	Agra Development Authority	671 KLD
Treated Water Requirement	On site STP	237 KLD
Proposed STP (Capacity)	916 KLD	

17. The project proposals are covered under category 8"b" of EIA Notification, 2006, as amended

RESOLUTION AGAINST AGENDA NO-16

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. Minimum 1% of solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
- 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 area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 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 area development prior to occupation of the buildings.
- 10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 11. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 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. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
- 15. No parking shall be allowed outside the project boundary.
- 16. 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.
- 17. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
- 18. 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.
- 19. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 20. 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.
- 21. 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.
- 22. 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.
- 23. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 25. 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.
- 26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
- 27. Convenient shops, bank, canteen, post office and medicine shops etc. to be provided within complex.

- 28. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
- 29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
- 30. All the internal drains are to be covered till the disposal point.
- 31. 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.
- 32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

Matter with the permission of Chairman :-

17. <u>Proposed Expansion of Group Housing Project "KW Srishti" at Khasra No.- 1125/1, 1125/2</u> <u>& 1125/3, Village-Noor Nagar, Pargana- Loni, Raj Nagar Extension, District-Ghaziabad,</u> <u>U.P., M/s Dingle Buildcons Pvt. Ltd. File No. 4218/Proposal No. SIA/UP/NCP/ 23663/2018</u>

The committee noted that the matter was earlier discussed in 371st SEAC meeting dated 15/11/2018 and directed is as follows:

"The committee discussed the matter and decided that a site visit shall be undertaken by Shri Ramesh Chand Kataria, Member, SEAC, Dr. Ajoy Kumar Mandal, Member, SEAC and Shri Devendra Singh, Deputy Director, Directorate of Environment within 15 days. The matter shall be discussed after receipt of inspection report."

The SEIAA in its meeting dated 23/11/2018 agreed with the recommendation of SEAC. A site visit was undertaken by the Members of SEAC on 08/12/2018 and following observation was made:

"In this matter, the SEAC in its meeting dated 15.11.2018 constituted a subcommittee comprising of the following members to visit the site for spot verification and to furnish a report about the factual aspects of the matter:

- 1. Mr. R.C.Kataria, Member, SEAC
- 2. Dr. Ajoy Kumar Mandal, Member, SEAC
- 3. Shri. Devendra Singh, Deputy Director, Directorate of Environment UP.

Accordingly, above three members of the sub-committee visited the project site of Proposed Group Housing Project "KW Srishti" at Khasra No.- 1125/1, 1125/2 & 1125/3, Village-Noor Nagar, Pargana- Loni, Raj Nagar Extension, District-Ghaziabad, U.P., M/s Dingle Buildcons Pvt. for spot verification on 08/12/2018. The sub-committee verified the factual status of the project site in reference to File No. 4218. During the Site visit, as representative of the project, Shri Sonu Goyal, were also present during the spot verification of the project Site.

During the Spot verification visit of the sub-committee, the observations are as given below:

- 1. The project proponent has applied online submitting application dated 06.04.2018 to the SEIAA, under the category 8(b) for Expansion of Group Housing KW Srishti" at Khasra No.-1125/1, 1125/2 & 1125/3, Village-Noor Nagar, Pargana- Loni, Raj Nagar Extension, District-Ghaziabad, U.P., M/s Dingle Buildcons Pvt.for plot area 40,686 m2 and built up area, 1,95,266.442m2 under violation case.
- As more then the specified construction work has been done. It was found to be a case of violation of the provision of EC issued vide letter no.1900/612/Parya/SEAC/AD (H)/2010-11, Dated 30 August,2011.
- 3. Out of 1468 Flats around 600 flats are occupied.

- 4. An ETP of 900 KLD has been constructed and out of which a module of 450 KLD is functional and the recycled water is being utilized for flushing and horticulture. Monitoring frequency for treated water to be as specified in the consent.
- 5. Biodegradable MSW is being processed at site through Organic Waste Convertor and manure is utilized within the complex. Other recyclable waste is being sold to local vendors.
- 6. The photographs of the site are attached.

It is a case of violation. This is submitted to the SEAC for kind information and further necessary action in the matter please."

Resolution against agenda no-17

The inspection report was put up by the Secretariat in SEAC meeting dated 12/12/2018. The committee discussed the matter in light of MOEFCC Notification dated 08/03/2018 under violation project, inspection report and presentation made by the project proponent on 15/11/2018, recommended to issue terms of reference (TOR) for the preparation of EIA. The project details of the project given at para-A and terms of reference for the preparation of EIA given at Para-B:

Para-A: Project details

- 1- The environmental clearance is sought for Expansion of Group Housing Project "KW Srishti" at Khasra No.- 1125/1, 1125/2 & 1125/3, Village-Noor Nagar, Pargana- Loni, Raj Nagar Extension, District-Ghaziabad, U.P., M/s Dingle Buildcons Pvt. Ltd.
- 2- The Environment Clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no.1900/612/Parya/ SEAC/AD (H)/2010-11, Dated 30-August-2011. As more construction work has been done as per provision in EC it was found to be case of violation of the provision of EC Dated 30-August-2011.

—		
Items	Proposal as per EC SEIAA vide letter no.	Now Proposed
	1900/612/Parya/SEAC/AD (H)/2010 -11,	
Type of Building	Residential	Residential
Total Plot Area	$40,686.00 \text{ m}^2$	$40,686.00 \text{ m}^2$
Landscape Area	$6,547.176 \text{ m}^2$	5,617.47 m ²
Residential (FAR)	78,704.11 m ²	1,22,534.972 m ²
Commercial (FAR)	374.237 m^2	550.50m ²
Far Area (Clubs + Stores)	-	1286.64 m^2
School(FAR)	400 m^2	400 m^2
Total FAR Achieved	$79,478.347 \text{ m}^2$	$1,24,772.13 \text{ m}^2$
Non FAR Area	$18,301.00 \text{ m}^2$	$70,494.312 \text{ m}^2$
Built up Area (FAR+ Non FAR)	97,779.347 m ²	1,95,266.442 m ²
4 A 1 A 1 C A 1 A		

3- Comparative details of earlier and expansion project :

4- Area details of the project:

Items	Proposal
Type of Building	Residential
Total Plot Area	$40,686 \text{ m}^2$
Area under 24 m Circulation Road	2953 m^2
Area under Chak Road	283.23 m^2
Deductible area(Road widening)	3236.23 m^2
Net Plot area	$37,449.77 \text{ m}^2$
Less 15% Green area	5617.47 m^2
School plot area	500 m^2
Net plot Area for Group Housing (NPAGH)	$31,332.30 \text{ m}^2$
Permissible Ground coverage	12,532.92 m ² (40% of NPAGH)
Proposed Ground coverage	8671.135 m ² (27.67% of NPAGH)

Total open (NPAGH - Ground coverage) area					22,661.165 m ²						
Area for roads and internal circulation					2, 0314.248 m ² (64.83%)						
Area for Services and Hardscape							$2,346.917 \text{ m}^2$				
Permissible FAR (@2.50 of NPAGH)(A)						78,330.76 m2					
Allowe	d purchasable FA	AR (B)					38237.75 m2				
Permis	sible Compoundir	ng Far @ 10%	of Pern	nissible	F.A.R of 2.50	(C)	783	3.08 m2			
Total P	Permissible Floor	Area (A+B+C)					1,24	4,401.59 m2			
Comm	unity Facility/Clul	b-1					324	.030 m2			
Comm	unity Facility/Clul	b-2					737	.831m2			
Stores	5						224	.783 m2			
School							400	m2			
Conver	nient shops						550	.50 m2			
FAR A	chieved (Club, Sc	hool, Conveni	ent sho	ps)			223	7.144 m2			
Resider	ntial FAR Achieve	ed					1,22	2,534.972 m2			
Total F	AR Achieved (Re	sidential + Co	nmerci	al)			1.24	4.372.13 m2			
Total F	AR Achieved (Sc	hool))			400	m2			
	Basement						37.3	309.391m2			
	Stilt						1.76	50.155 m2			
	Fire Stair case	mumty Substa	tions S	TP Bal	convetc)		31.4	424.766 m2			
	Total Non EAE	nunity, Substa	10115, 5	511, Dai	cony cic.)		70,4	494.312m2			
Built u	n Area (EAD No	$(\mathbf{n} \mathbf{F} \mathbf{A} \mathbf{P})$					1.05	5 266 112m2			
Movim	um Usight	III I'AK)					64.6	50			
No. of	Unite (2/2/4 DUK	Flota					146	<u> </u>			
No. 01	UIIIts (2/3/4 DHR	S Flats)	ita)				724	0			
Resider		<u>es persons/on</u>	its)				/34	0			
<u> </u>	Population deta	118:									
S.no	Descriptio	n		Rate			Units/area Population				
1	Residentia	1		@ 5 pe	ersons per uni	it	1468 7340				
2	Visitors			@10%	of Fixed Pop	oulatio	on 734				
3	Residentia	l Staff		@ 5%	of Fixed Pop	ulatio	n			400	
4	Commerci	al Staff		550.50	m^2					50	
5	School(Stu	idents)		400 m ²	2					100	
6-	Parking details:										
Parking	Provided										
In Stilt	5110,1000							40ECS			
In One	n							475ECS			
In Base	ement							1220ECS			
Parking	Provided						1735 ECS				
7	Water requirem	ant details:						1755 Ee5			
/-			T (1			— (1		T ()		
S . No.	Description	$\frac{\text{unit}}{\text{Area}}$	Total		Rate of	1 ota	al	Rate of	Tota	l • ,	Total Water
		(in m)	Occuj	pancy	Fresh	Fres	sn	Flushing	Flush	nng/	(KLD)
					water	wat		water	Kecy	cied	(KLD)
					demand	(KL	.D)	demand	wate	r D	
1	Dagidar (1-1	1469	7240		(ipca)	177			(KLI	(ר	621
1.	Residential	1468	7340		65	4//		21	154		631
2.	Visitors		734		5	3.67	/	10	7.34		11
	(10% of Fixed										
	Population)					75	- 20	10.5	2	20.25	
3. Staff 450		450		15	6	.75	30	13.50)	20.25	
(Residential +											
	Commercial+										
	School)		100		-	0.7		10	1.00		1.5
4.	School		100		3	0.5		10	1.00		1.5
~	Students					~-					27
5.	Swimming	Capacity 500	KLD		- 25	25				25	

Ро	ol	(@5% of Total capacity)					
Total Domestic water			~513		~ 176	~689	
	Horticulture	5617.951	5 l/ Sqm				28
		2346.917	1 l/sqm				2.3
Total Water requirement						719.3	
							Say 720

8- Solid waste details:

S.No.	Particulars	Population	Waste generated in kg/day	
1.	Residential (@0.5kg/day)	7340	3670	
2.	Visitors (@0.15kg/day)	734	110	
3.	Staff (@ 0.25kg/day)	450	112.5	
4.	School(@ .15kg/day)	100	15	
Total Solid waste generated			Approx. 3907.5 kg/day~ 4T/day	
Horticulture Waste (@ .0037kg/sqm/day)			30 Kg/Day	
E-Waste (0.15 kg/C/Yr)			3.2 Kg/Day	
Considering residential and staff population i.e. 7790				
STP Sludge			24.84 ~ 25 kg/Day	

9- 12 nos. of rain water harvesting pits are proposed.

10- Power requirement details:

Power backup (DG Sets) 4 x 50	00 KVA = 2000 KVA

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

Para-B: Terms of Reference

- 1. The committee prescribed specific Terms of Reference for the project on the assessment of ecological damage, remediation plan and natural and the community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment as per MoEF Notification dated 08/03/2018.
- 2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The Quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
- 3. Status report regarding construction/development work already taken up.
- 4. All registry documents, Approved layout plan by the competent authority and all building plans.
- 5. All services plan is to be submitted like sewerage, drainage, external electrification, rain water harvesting, landscape plan with list of trees, water supply, OHT for firefighting etc.
- 6. Details of land use with area and percentage.
- 7. Discharge point of Sewerage and drainage.
- 8. Plan for use of reflecting paints on roof top and all side walls.
- 9. Provide Geo- coordinates of the project site.
- 10. Analyze the surface water quality including chemical and Biological parameters.
- 11. Ambient air monitoring to be carried out.
- 12. Project description, its importance and the benefits,

- 13. Project site details (location, top sheet of the study area of 10 km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage)
- 14. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
- 15. Land acquisition status, R & R details.
- 16. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection)Act, 1972 and/or the Environment (Protection) Act, 1986,
- 17. Baseline environmental study for ambient air(PM₁₀, PM_{2.5}, SO₂, NO_x & CO), water(both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/ CPCB guidelines at minimum 5 location in the study area of 10 km,
- 18. Details on flora and fauna and socio-economic aspects in the study area
- 19. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land flora and fauna and socio-economic, etc.)
- 20. Source of water different identified purposes with the permissions required from the concerned authorities both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
- 21. Waste water management (treatment, reuse and disposal) for the project and also the study area,
- 22. Management of solid Waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016
- 23. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project,
- 24. Assessment of ecological damage with respect to air, water land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- 25. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 26. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- 27. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
- 28. Allotment letter from concerned development authority.
- 29. All approved drawings/maps alongwith approved services plans.
- 30. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
- 31. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
- 32. Physical features within 30 m of the project sites with their ownership.
- 33. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
- 34. Use of reflecting paints on roof top and side walls.
- 35. Details of rain water harvesting are to be given.
- 36. Provision of 100% solar lighting along the road site, stair cases, common places.

- 37. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
- 38. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
- 39. Water requirement and its management plan along with necessary permissions for discharge.
- 40. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
- 41. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
- 42. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
- 43. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
- 44. Landscape plan, green belts and open spaces may be described separately.
- 45. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
- 46. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
- 47. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
- 48. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
- 49. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
- 50. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
- 51. Identification of recyclable wastes and waste utilization arrangements may be made.
- 52. Explore possibility of generating biogas from biodegradable wastes.
- 53. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
- 54. Provisions made for safety in storage of materials, products and wastes may be described.
- 55. Disaster management plan should be prepared.
- 56. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
- 57. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
- 58. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
- 59. Provide service road for entry and exit to project site.
- 60. Use of local building materials should be described.
- 61. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
- 62. Work out MGLC for the combined capacity of DG sets.

- 63. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
- 64. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
- 65. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
- 66. Corporate Environmental Responsibility (CER) plan along with budgetary provision amounting to 2% of project cost shall be prepared and approved by Board of Directors of the company.
- 67. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
- 68. 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.
- 69. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green area Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
- 70. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

(Dr. Arvind Mathur)	(Dr. Virendra Misra)	(Dr. Pramod Kumar Mishra)
Member	Member	Member

(Dr. Richhpal Singh Sangu)	(Shri Ramesh Chand Kataria)	(Dr. Ajoy Kumar Mandal)
Member	Member	Member

(Shri Meraj Uddin) Member (Dr. (Prof.) S. N. Singh) Chairman

Annexure-1

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

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. CER 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 regards 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 statuary 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 with in 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 which-ever 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 provid 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, PM2.5, SO2 and NOx 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, PM2.5, SO2 and NOx. 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/Panchyat.
- 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.