

Minutes of the 228th Meeting of the State Expert Appraisal Committee (SEAC), Haryana constituted for considering Environmental Clearance of Projects (B Category) under Government of India Notification dated 14.09.2006 held on 03.12.2021 and 04.12.2021 under the Chairmanship of Sh. V. K. Gupta, Chairman, SEAC, through Video Conferencing (VC).

At the outset the Chairman, SEAC welcomed the Members of the SEAC and advised the Secretary to give brief background of this meeting. The minutes of the 227th Meeting were discussed in view of observations of a member and approved without any modification. In the meeting 24 no. of agenda projects received from SEIAA, were taken up for scoping, appraisal and grading as per agenda circulated.

In the wake of recent crises of COVID-19, lockdown situation, Committee took a decision to scope and appraise the EC cases as per the guidelines issued by MoEF& CC from time to time by video conferencing. It was decided that before the commencement of online video conferencing the agenda is required to be mailed beforehand. Accordingly the agenda of the present meeting was mailed to SEAC members in advance and a video conference meeting was organized in this regard on 03.12.2021 and 04.12.2021.

The 228th meeting of SEAC Haryana was held online by video conferencing on 03.12.2021 and 04.12.2021. The following members joined the meeting:

Sr. No.	Name	Designation
1.	ShriPrabhakarVerma	Member
2.	Dr. S. N. Mishra	Member
3.	Shri Raj Kumar Sapra	Member
4	Dr.Surinder Kumar Mehta	Member
5.	Ar. Hitender Singh	Member
6.	Dr.VivekSaxena	Member
7.	Dr.Mehar Chand	Member
8.	Shri Anil Kumar Mehta	Member
9.	Sh. Gurjeet Singh (03.12.2021)	Mining Officer
10.	Dr. R. K. Chauhan, Joint Director, Environment & Climate Change Department, Haryana	Secretary

228.01 EC for Expansion of “Medicity Project Institute of Integrated Medical Science and Holistic Therapies in Sector 38, Gurgaon, Haryana by M/s Global Health Private Limited

Project Proponent : Mr.SanjayBatra
Consultant : Vardan Environment

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/61752/2006 on dated 04.10.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8 (b) of EIA Notification 14.09.2006. The Auto TOR was granted by SEIAA vide letter dated 08.07.2021.

The case was taken up in 226th meeting of SEAC held on 18.11.2021. The discussion was held on certified compliance report of earlier EC dated 11.09.2006, pending court cases, compliance of orders of court , details of existing Green Belt, STP, ETP, Forest land, bio medical waste, MSHIC Rules, Contour plan, fire fighting plan and certain observations were raised as following:-

1. The PP shall submit the compliance of court directions passed by various courts i.e Supreme Court, Hon’ble NGT, Environment Court Faridabad.
2. The PP shall submit the Affidavit regarding details and status of forest cases(copy of the judgements and status of compliance etc.) action taken on court directions
3. The PP shall submit the details of existing trees , girth, age of the trees in compliance of earlier EC
4. The PP shall submit the self contained note on the forest land i.e. whether the forest land stated in the orders was a part of earlier EC of 43 acres or not. The Status of surrender of forest land
5. The PP shall submit the self contained note upon establishing STP/ETP separately and undertaking that ETP waste water will not be mix into the STP after the treatment
6. The PP shall submit the contour plan indicating the levels of propose site in terms of drainage pattern
7. The PP shall submit the fire fighting plan , showing location of the fire hydrants and fire rescue plan (SOP)
8. The PP shall submit the Design and location of lightning arrestors for various building of the institute.
9. The PP shall submit the detailed report with design specification and schematic diagram of 120 +20 KLD STP also mark location of ETP on the site plan
10. The PP shall submit the separate STP and ETP water calculation diagram and the treated water of ETP need to be used for horticulture.
11. The PP shall submit the separate provisions of hazardous chemicals/ waste generation for laboratories of institute.
12. The PP shall submit the incremental load statement for expansion of the project wr.t. existing approved capacity
13. The PP shall submit the revised biomedical waste calculations @1.5kg/bed and also explain the reason for decreasing beds from 1500 beds as approved in earlier EC to 1200 beds.
14. The PP shall submit the waste water generation shown as 85% in tables instead of 80% required for MBBR technology.
15. The PP shall submit the design and dimension of 1200KLD SAF Technology with tertiary treatment design / disinfection of treated water.
16. The PP shall submit the MSDS of all chemicals/pharmaceutical products with CAS no.

17. The PP shall submit the compliance of MSHIC Rules, OHSAS, and Hazardous waste management rules.
18. The PP shall submit the action taken report point wise on the certified compliance report
19. The PP shall submit the Green plan: the annexure 7, 8 ,9 of the certified compliance report , progress of green plan in terms of Green Area and trees(proposed and achieved)
20. The PP shall submit the approved building plan for the expansion part.
21. The PP shall submit the new zoning plan
22. The PP shall submit the status of construction of earlier EC and photograph
23. The PP shall submit the copy of CTE/CTO
24. The PP shall submit the location of RWH on plan
25. The PP shall submit the Forest NOC
26. The PP shall submit the Aravali NOC
27. The PP shall submit the traffic study
28. The PP shall submit the location of storage of hazardous waste.

The PP submitted the reply of above said observations vide letter dated 27.11.2021.

Thereafter, the case was taken up in 228th meeting of SEAC held on 03.12.2021.

The PP presented the case before the committee.

- The Proposed project is for EC for Expansion of “Medicity Project Institute of Integrated Medical Science and Holistic Therapies in Sector 38, Gurgaon, Haryana by M/s Global Health Private Limited
- The TOR was granted to the project vide letter date 08.07.2021.
- The project is appraised on **concept basis** as the building plans are not approved from the competent authority.
- The PP submitted the certified compliance report issued vide letter no. 565-567 dated 09.09.2021.
- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA

The details of the project, as per the documents submitted by the project proponent and also as informed during the presentation in the meeting are as under:-

Table 1: Basic Details

Name of the Project: Expansion of “Medicity Project-Institute of Integrated Medical Science and Holistic Therapies” in Sector-38, Gurgaon, Haryana by M/s Global Health Private Limited.				
Sr. No.	Particulars	Existing	Expansion	Total Area (in m²)
	Online Project Proposal Number	SIA/HR/MIS/61753/2021, Dated 12.03.2021		
1.	Latitude	28° 26' 30.7" N	-	28° 26' 30.7" N
2.	Longitude	77° 2' 21.8" E	-	77° 2' 21.8" E
3.	Plot Area	1,74,015sq.m. (43 Acres)	4623.1sq.m. (1.15 Acres)	169391.90sq.m. (41.85 Acres)
4.	Net Plot Area	1,74,015sq.m. (43 Acres)	4623.1sq.m. (1.15 Acres)	169391.90sq.m. (41.85 Acres)
5.	Proposed Ground Coverage	23,351.07sq.m.	14754.13sq.m.	38105.20sq.m.
6.	Proposed FAR	1,79,579.580sq.m.	153174.35sq.m.	332753.93sq.m.
7.	Non FAR Area	70,842.221sq.m.	89657.27sq.m.	1,60,499.491sq.m.
8.	Total Built Up area	2,50,421.801sq.m.	242831.62sq.m.	493253.421sq.m.
9.	Total Green Area with Percentage	55,684.8sq.m.	949.8sq.m.	54735sq.m.(32% of net plot area)
10.	Rain Water Harvesting Pits	18 Nos.	25 Nos.	43 Nos.

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11.	STP Capacity	STP: 1200 KLD & 180 KLD ETP: 120 KLD	STP: 250 KLD & 2*200 KLD ETP: 20 KLD ETP: 8	STP Capacity-2030 KLD ETP Capacity-148 KLD
12.	Total Parking	---	--	6145ECS
13.	Organic Waste Converter	1 x 500 Kg/day	9 no. (9x500 Kg/day)	10 no. (10x500 Kg/day)
15.	Power Requirement	6.2 MW	6.19 MW	12.39MW
16.	Power Backup	8 nos. of DG sets (6x2,000 kVA + 2x1,500 kVA=15,000 kVA)	8 nos. of DG sets (2x620 kVA + 3x1,500 kVA + 3x1,000 kVA=7,240 kVA)	16 no's. DG Sets with total capacity = 22,240 kVA.
17.	Total Water Requirement	1905KLD	748 KLD	2653 KLD
18.	Domestic Water Requirement	880 KLD	432 KLD	1312 KLD
19.	Fresh Water Requirement	880 KLD	432 KLD	1312 KLD
20.	Treated Water	1025 KLD	316 KLD	1341 KLD
21.	Waste Water Generated	1144 KLD	453 KLD	1597 KLD
22.	Solid Waste Generated	--	--	8316 kg/day
23.	Biodegradable Waste	--	--	4989 kg/day
24.	Basement	3	--	3
25.	Community Center	1	--	1
26.	Total Cost of the project:	i) Land Cost	67.06	67.06
		ii) Construction Cost	525.61	802.2
27.	EMP Cost/Budget	1350 Lakhs	2050 Lakhs	3400 Lakhs
28.	Incremental Load in respect of:	--	--	0.047 µg/m ³
	i) PM 2.5	--	--	0.106 µg/m ³
	ii) PM 10	--	--	0.154 µg/m ³
	iii) SO ₂	--	--	1.263 µg/m ³
	iv) NO ₂	--	--	0.864 mg/m ³
	v) CO	--	--	
29.	Construction Phase:	i) Power Back-up	--	Temporary connection
		ii) Water Requirement & Source	--	Fresh water – 10 KLD for drinking & sanitation. Treated wastewater 30 KLD for construction Source: Fresh water – HSVP Construction Water – treated wastewater from common STP from nearby project premises
		iii) STP (Modular)	5 KLD	5 KLD
		iv) Anti-Smoke Gun	1	1

Table 2: STATUS OF CONSTRUCTION

- Project has already obtained Environmental Clearance, vide letter no. 21-262/2006-IA.III dated 11.09.2006 for the total plot area of 1,74,015 m² (43 Acres) for the development of Hospital & Medical Education, Support area, Guest Houses and Residential & Accommodation.
 - At present **Hospital & support area** have already been constructed at the site with built-up area of **2,50,421m²**
 - Occupation certificate has been obtained for:
 - OC for support area: 58135.02 m² (1)
 - OC for Hospital block: 149228.03m² (F.A.R) (2)
 - Including Non F.A.R area : 43058.751m² (3)
- TOTAL (1+2+3): 2,50,421 m²**

Table 3: EMP Budget

Description	During Construction Phase		Description	During Operation Phase	
	Capital Cost	Recurring Cost		Capital Cost	Recurring Cost
	(Lakhs)	(Lakhs for 5 Year)		(Lakhs)	(Lakhs for 10 Year)
Water for Dust suppression	10	50	Solid Waste Management & Biomedical Waste Management	50	250
Sanitation & Waste Water Management	15	75	Waste Water Management (STP)	100	300
Air, Noise, Soil, Water Monitoring	0	10	Effluent Water Management (ETP)	20	100
Rainwater harvesting system (25 Pits)	75	25	D.G Set with acoustic enclosure	50	20
PPE for workers & Health Care	10	50	Solar PV Installation	150	200
Green Belt Development	17.5	50	Monitoring for Air, Water, Noise & Soil	0	25
Medical facilities & Others	20	80	RWH	--	50
Establishment of Miyawaki Forests for Urban and Rural	2.5	10	Green Belt Development	45	190

greening					
Total	150	350		415	1,135

The discussion was held on outflow of STP, ETP, Hon'ble NGT orders compliance, trees, traffic study, Adequacy certificate, removal of chlorine, concept, building plans, hazardous waste, audited CER, EMP etc and certain observations were raised as below:-

1. The PP shall submit the self contained note duly signed by PP and consultant regarding the compliance of various court orders.
2. Green plan and implementation of earlier green plan and plantation of 2100 trees as per earlier EC and shall also propose Miyawaki forest in green plan.
3. Zero discharge from MVV and disposal of effluent of ETP
4. MOU with hazardous waste management facility for existing and expansion part
5. The PP shall submit the clarity on bed number and agreement for biomedical management
6. The PP shall submit the water balance for STP and ETP
7. The PP shall submit the audited report of CER.
8. The PP shall submit tangible EMP
9. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
10. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
11. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
12. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".
13. That there would be no decrease in Green area as stated in Accorded EC
14. That before coming to operation, Project Proponent will ensure that all permissions & connections pertaining to Electricity & Sewage discharge are in place

The PP submitted the reply of above said observation vide letter dated 04.12.2021 along with duly signed brief note by PP and consultant as given below:-

- *The project has been granted allotment letter by **Haryana Urban Development Authority (HUDA)** for the total land of **1,74,015 m² (43 Acres)** for construction of Hospital & Medical Education, Support area, Guest Houses and Residential & accommodation by vide letter memo no. 1704 dated 29.10.2004*
- *The project has received **Environmental Clearance** from State Environment Impact Assessment Authority, Haryana, vide its letter no. **21-262/2006-IA.III** dated 11/09/2006 for a **plot area of 43 acres (1,74,015 sq.m)** for the development of Hospital & Medical Education, Support area, Guest Houses and Residential & Accommodation.*
- *At present we have constructed hospital building and support area building and occupation certificate is also obtained. Now we have applied for expansion in EC to construct/develop Medical Education, Service Apartments and Residential & Accommodation on the basis of conceptual plan.*
- *The details of court cases against M/s Global health Pvt. Ltd are as under:*

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S. No	Subject	Case No.	Court	Current status
1.	Violation of FC, Act, 1980	124/2017 (Sarv Jan Kalyan Sewa Samiti vs UOI & Ors)	NGT	Disposed of on 13.07.22021
2.	Violation of FC, Act, 1980	852/2019 (Sarv Jan Kalyan Sewa Samiti vs UOI & Ors.)	Supreme Court	Disposed of on 08.02.2019
3.	Violation of Indian Forest Act, 1927	04/2018 (District Officer vs Sanjay Batra)	Environment Court Faridabad	Disposed of on 15.09.2021

- As per **124/2017** (Sarv Jan Kalyan Sewa Samiti vs UOI & Ors), the court has asked M/s Global Health Pvt. Ltd. to surrender the land. In compliance to the same, we have surrendered the land of 3200 sq yard to HUDA and MCG and 2330 sq yard to Forest Department. Therefore, the total land has been decreased from 43 acres to 41.85 Acres.
- The updated area details as per 41.85 acres is submitted in the presentation and basic details. The updated area details are as follows:

S. No.	Particular	As Existing (sq.m)	per EC (sq.m)	Expansion (sq.m)	Total (sq.m)
1	Total Plot Area	1,74,015 (43 Acres)		4,623.1 (1.15 Acres)	1,69,391.90 (41.85 Acres)
2	Permissible Ground Coverage	23,351.09		22,188.87	45,539.96
i	Permissible Ground Coverage for 1st 10K sq.m (@33%)	6,600.00		6,600.00	13,200.00
ii	Permissible Ground Coverage for balance sq.m (@25%)	16,751.09		15,588.87	32,339.96
3	Proposed Ground Coverage	23,351.07		14,754.13	38,105.20
4	Permissible FAR	2,83,276.55		81,888.59	3,65,165.14
5	Proposed FAR	1,79,579.580		1,53,174.35	3,32,753.93
6	Non FAR	70,842.221		89,657.27	1,60,499.491
7	Built up Area (FAR + Non FAR)	2,50,421.801		2,42,831.62	4,93,253.421
8	Total Green Area (32% of Plot Area)	55,684.8		949.8	54,735

- We have been issued the EC for 1500 beds, but we intent to run the hospital at 1200 beds as per present capacity only. We do not plan to increase the number of beds from 1200 to 1500.
- The total trees required for our project is 2118 nos. At present, we have planted 611 nos. of tress. The remaining 1507 nos. of trees will be planted in future.

The documents were placed before the committee which was considered by the committee and after Deliberation, the committee rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA

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Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

1. Sewage shall be treated in the STP on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening.
2. The PP should not mix the ETP effluent after treatment in the STP and ETP effluent shall be separately utilized for the purposes
3. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
4. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.
5. The PP shall not carry out any construct above and below revenue rasta if passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnue rasta. The PP shall put notice board on the revenue rasta for the passer byes.
6. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
7. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
8. Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
9. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
10. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 54735sq.m. (32% of net plot area) shall be provided for Green Area development for whole project, excluding plot areas. The PP shall carry out the plantation in phased manner with 20% every year from the date of start of construction. The PP shall also develop the Miyawaki Forest as proposed in the EMP

with the capital cost of 2.5 lakhs in the area of 400 sqm out of total green area proposed. The Miyawaki forest shall be developed under the guidance of MD Forest corporation Haryana

11. The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
12. Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
13. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
14. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
15. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the So2 load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency
16. The PP shall obtain the permission regarding withdrawal of ground water, if any from HWRA/CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from HWRA/CGWA.
17. The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
18. 25 Rain water harvesting recharge pits shall be provided for ground water recharging in addition to existing 18 RWH as per the CGWB norms. Total 43 RWH pits will be provided
19. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 43 RWH pits.
20. The PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible.
21. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
22. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory Compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- [2] The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- [3] The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- [4] The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- [5] The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.

- [7] A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- [8] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- [9] The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be ultra low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. All recharge should be limited to shallow aquifer.
- xiv. No ground water shall be used during construction phase of the project.
- xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvi. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xvii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.

- xviii. No sewage or untreated effluent water would be discharged through storm water drains.
- xix. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

IV Energy Conservation Measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

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V Waste Management

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall 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.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VI Green Cover

- i. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii. A minimum of 1 tree (5' tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iii. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

VIII Human Health Issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions of CER, as applicable.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with

responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

X Miscellaneous

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- x. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer

(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

228.02 ToR for Proposed Logistic Part at 23/5, Mileston, Delhi-Mathura Road, Ballabhgarh, Faridabad, Haryana by M/s Apeejay Global Industrial And Logistic Park.

Project Proponent : Mr. Sandeep Singh Dillon
Consultant : Ind Tech House Consult

The project was submitted to the SEIAA, Haryana vide proposal no. SIA/HR/MIS/67624/2021 on 22.11.2021 as per check list approved by the SEIAA/SEAC for approval of ToR under category 8(b) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 03.12.2021 but PP and consultant requested to present the case on 04.12.2021 and request was considered The PP presented the case before the committee. The discussion was held on

- Industrial shed project, which got exemption upto 1,50,000 square meters under MoEF&CC notification number 3252(E) dated 22/12/2014&is associated with activity of industrial unit under the same premises.
- And on the averments of PP/Consultant which informed that activity/Construction had been started much earlier to 2018.The unit got CTE/CTO in 2018 or before that and they will be submitting copies of the same along with self contained detailed note duly signed by PP and consultant.

The Committee after deliberation decided that

- The PP shall submit the complete self contained note along with consent of HSPCB before 2018 indicating the proof of construction of less than 1,50,000 square meters and the project is falling under the Ambit of 22/12/2014 notification.

The PP submitted the self contained note, background note along with Copy of DD of Rs. 2.0 lakh as scrutiny fees in favour of MS, SEIAA of the project duly signed by PP and consultant as below:-

I, Mr. Sandeep singh Dhillon s/o Santokh singh Authorized Signatory of "M/S Apeejay Global Industrial and Logistics park Limited" (formally known as "Oriental Spun Pipes Company Limited"), having it's office at Scindia House, New Delhi-8 do hereby solemnly affirm and declare that:-

*1) The Conveyance deed was signed between M/S Oriental Spun pipe Company Limited and Secretary to Government of Haryana (industrial department) on 12th January 1972 attached as **Annexure1**(Placed on record) Which clearly states that the land was allotted for setting the industrial units for the manufacture of:*

- a. Pharmaceuticals injectable liquids and tablets*
- b. Breakfast food*
- c. Biscuits*
- d. Chocolates and confectionery*

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- e. Vegetable Ghee
- f. Food products like tinned fruits, squashes, jelly etc.
- g. Chemicals
- h. And also any other industry approved by the government**

- 2) The first building plan was approved on 30th January 2015 by Municipal corporation Faridabad Ballabhgarh Zone for Existing/ Proposed Factory building layout plan attached as **Annexure 2**(Placed on record).
- 3) The site plan for the said unit was approved vide memo no. 43 dated 03.04.2017 by Municipal corporation Faridabad Ballabhgarh Zone stating the components in the said unit which includes industrial support zone also. The approved site plan is hereby attached as **Annexure 3**(Placed on record).
- 4) The partial occupation certificate of Block A was received on 12/06/2018 which confirms the construction on the site was as per approved plan. The occupation certificate is attached as **Annexure 4**(Placed on record).
- 5) The name of Project proponent was changed to Apeejay Global Industrial and Logistic Park Limited on 15/03/2018. Certificate of incorporation is attached as **Annexure 5**(Placed on record).
- 6) The construction of block B was started in June 2018 and completed in June 2019 and OC for second block was applied on 31/05/2021 attached as **Annexure 6**(Placed on record).
- 7) CTO has already been taken from HSPCB in 2017, 2019 and 2020. All CTO copy is attached as **Annexure 7**(Placed on record).
- 8) We assure that the developed units are used as industrial shed (as per the definition given in MoEF&CC OM dated 5th March, 2015) by M/S Apeejay Global Industrial and Logistics park Limited and if the same will be rented, the condition will be given to the lessee to use it as Industrial shed. In case the unit will be utilized for any other purpose the Project proponent will take all the necessary approvals from the concerned departments. The construction will strictly as per approved layout plan.

Apeejay Global Industrial and Logistic Park Apeejay Technopark proposing Logistic Park in addition to existing industrial shed at 23/5, Milestone, Delhi- Mathura Road, Ballabhgarh, Faridabad, Haryana. Earlier the built-up area of this industrial shed was less than 1,50,000 m², which did not attract EIA notification. Now after proposed expansion, the built-up area is more than 1,50,000 m² so we have submitted dully filled in Form I, Form 1A and Conceptual Plan along with soft copy (CD) and all requisite enclosures for grant of 'Term of Reference' as per the requirements of the EIA Notification no: S.O.1533 dated 14/09/2006 issued by Ministry of Environment and Forests, Govt. of India.

Earlier Built Up Area as/Sanctioned Drawing dt 16/6/2020 (Valid upto 15/6/2022) is 1,37,822.97. Existing built-up area on site is 41069.50 sqm(excluding built-up area under construction and under demolition). The area to be demolished 8035.03 sqm. CTE for the project has been obtained vide letter no HSPCB/Consent/: 329993520 FDBBCTE 8089845 for the period of

19/10/2020 - 18/10/2025. CTO has already been taken from HSPCB vide HSPCB/Consent/: 329993520FDBBCTO6947745 for the period of 01/12/2020 - 31/03/2022.

Salient features of the project are shown below:

Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Gross Plot Area (705 Kanal+1Malra)	356654.29	SQMT
2	Net Plot Area	336509.44	SQMT
3	Total Built Up Area	232587.10	
4	Built Up Area as/Sanctioned Drawing dt 16/6/2020 (Valid upto 15/6/2022)	137822.97	SQMT
5	Existing Built-up area	41069.50	SQMT
6	Max No of floors (Office Block - G+4)	G+4	Floor
7	Max Height - Office Block	20	M
8	Total No of Blocks (Including Existing to be Retained)	14	No.
9	Expected Total Population (All floating)	6999	No.
10	Total Cost of Project	200	CR
AREAS			
11	Permissible Ground Coverage Area (60%)	201905.664	SQMT
12	Proposed Total Ground Coverage Area	166976.588	SQMT
13	Permissible FAR Area (150)	504764.160	SQMT
14	Proposed FAR Area	232088.04	SQMT
15	Non FAR Areas	499.06	SQMT
16	Proposed Total Built Up Area	232587.10	SQMT
WATER			
17	Total Water Requirement	570.30	KLD
18	Fresh water requirement	121	KLD
19	No of DG Sets	5	No.
20	Treated Water Requirement	449	KLD
21	Waste water Generation	197	KLD
22	Capacity of Existing STP	40	KLD
23	Proposed Capacity of STP	240	KLD
24	Treated Water Generation	158	KLD
25	Additional Treated Water Required	291	KLD
26	Discharge to Municipal Sewer	Zero	KLD
RAIN WATER HARVESTING			
27	Rain Water Harvesting Structures	68	No.
PARKING			
28	Total Parking Area Required as / Building Bye Laws	AS/REQ	SQMT
29	Proposed Total Car Parking on Surface	60	Nos
30	Proposed Total Truck Parking on Surface	180	Nos.
31	Proposed Total Scooter/Bike Parking on Surface	1000	ECS
GREEN AREA			
32	Proposed Green Area (20% of Gross plot area)	67301.888	SQMT
WASTE			
33	Total Solid Waste Generation	2.00	TPD
34	Organic waste	0.95	TPD
35	Quantity of Hazardous waste Generation	0.5	LPD
ENERGY			
36	Total Power Requirement	5800	KVA
37	DG set backup	1500	KVA

EXISTING BLOCKS				
Block No/Name	Gr Coverage Area	FAR Area	Built Up Area	Status
Block A1.1	19829.28	20057.81	20057.81	Existing
Block A11.2	19381.389	19601.471	19601.471	Existing

Shed 2.5.2	1410.221	1410.221	1410.221	Existing
TOTAL			41,069.502	

EXISTING BLOCKS TO BE DEMOLISHED		
Block No/Name	Gr Coverage Area	Built Up Area
Block 12	2012.06	2012.06
Block 13	2014.17	2014.17
Block 14	2000	2000
Block 15	2008.8	2008.8
TOTAL		8035.03
EXISTING BLOCK UNDER CONSTRUCTION		
Shed 2.5.1		8798.928

OTHER EXISTING ENVIRONMENTAL FEATURES		
SI No.	Items	Qty
1	Elect Load	800
2	DG Back Up	250
3	No of DG Sets with capacity	1X250
4	STP	20
5	ETP	20
6	Rain Water Harvesting Pits	None
7	Existing Trees	12

After detailed discussion on status of construction, CTE, CTO, exemption from EC for already constructed area, Industrial shed, type of industry for industrial shed, Name change, CTE, CTO and it is decided that the PP shall submit the self contained note on background of case, exemption from EC along with all supporting documents. The Committee deliberated and decided that the SEAC to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference:

Standard ToR

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio-economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.

- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Additional TOR

1. The PP shall submit the details of exemption of industrial shed under the MoEF &CC notification 2014 and also submit the proof that construction has not been carried out after the withdrawal of exemption notification 2014 &2018 as discussed.
2. The PP shall submit the date and proof of construction of demolished part was carried out as per existing norms of MoEF &CC notifications/OM/circulars.
3. The PP shall submit the proof that the Industry for which industrial shed is constructed does not require EC under EIA notification, 2006.
4. The PP shall submit the status of construction at the site.
5. The PP shall submit the proof along with affidavit that no construction has been done after the expiry of exemption notification.
6. The PP shall submit the copy of CTE/CTO/OC for the project till date that indicating the construction of industrial shed and the part which is to be demolished is carried out under the ambient of 2014 notification
7. The Pp shall submit the chronological details of all events along with permissions under the statutory requirements.
8. The PP shall submit the activity wise break up area of the project
 2. The PP shall submit the duly approved plan.
 3. The PP shall submit the drainage map with contour of each area of the project
 4. The PP shall submit the position of existing and proposed area of the project.
 5. The PP shall submit the hydraulic design details of STP proposed at the site.

6. The PP shall submit the FAR for each component as per approved plan.
8. The PP shall submit the affidavit that no legal case is pending against the PP regarding land or any other issues of the project.
9. The PP shall submit the KLM file of the project site
10. The PP shall submit the land use details of the project
11. The PP shall submit the Geo Technical Studies
12. The PP shall submit the Population calculations as per NBC norms.
13. The PP shall submit the water requirement details in view of conservation measures.
14. The PP shall submit the seasonal testing reports of water, air, soil and noise
15. The PP shall submit the technology of water treatment, hydraulic design, dimensions of each component of each STP, MLSS standards to be achieved in each STP
16. The PP shall submit the Solid waste calculations and its management plan
17. The PP shall submit the traffic study incremental load analysis wr.t. current roads/status of connecting roads a up-gradation plan.
18. The PP shall submit the air dispersion modeling, sampling locations, wind rose, DG/vehicular emission data, AAQ data of seven locations.
19. The PP shall submit the ECBC Compliance with Energy saving
20. The PP shall submit the RWH details based on calculation @ 90 mm rain fall and double bore well for better sustainable RWH
22. The PP shall submit the parking calculations along with Map
23. The PP shall submit the tangible EMP Capital and recurring cost for the project
25. The PP shall submit the biodegradable waste management plan of the project along with organic waste convertor. The schematic diagramme for the management of organic waste and calculation along with mode of collection, segregation, transportation and disposal of complete Biodegrade waste.

228.03 ToR for proposed Amipur Unit (Minor Mineral) Sand Mining Project – 36,00,000MT, area 99.66 ha, near Village Amipur, Faridabad, Haryana by M/s LOG29 Cargo Movers Pvt. Ltd

Project Proponent : Mr. Gopal Das Daworkani
Consultant : Vardan Enviro

The project was submitted to the SEIAA, Haryana vide proposal no. SIA/HR/MIN/68013/2021 on 01.12.2021 as per check list approved by the SEIAA/SEAC for approval of ToR under category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD of Rs. 1.50 lakh as scrutiny fees in favour of MS, SEIAA
 The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table : Basic details

Name of the Project: Mining of sand minor mineral from the riverbed of Yamuna river with 36,00,000 MT production capacity over an area of 99.66 Hectare located at Village- Amipur unit, Tehsil- Faridabad, District- Faridabad, and State- Haryana proposed by M/s LOG29 Cargo Movers Pvt. Ltd.		
1.	Online Proposal Number	SIA/HR/MIN/68013/2021
2.	Category/Item no. (in schedule):	Category-B1, Sector I (a)
3.	Area of the project	Area- 99.66 ha
4.	Date of LoI granted by Mines &	Director, Mines & Geology, Haryana has

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	Geology Department, Haryana	issued the LOI vide Memo No. DMG/HY/Amipur Unit/Fbd/2021/3174 Dated 16.08.2021 in favour of M/s LOG29 Cargo Movers Pvt. Ltd. over an area of 99.66 Hectares for a period of 8 Years.
5.	Date of approval of Mining plan granted by Mines & Geology Department, Haryana	Mining plan has been prepared and submitted to DMG for their approval
6.	Location of Project	Village- Amipur unit, Tehsil & District- Faridabad, Haryana.
7.	Project Details Khasra No	2//21, min,22, 23//1,2,3,8,9,10,11,12,13 min,18 min,19 /1,19 / 2,20,2 1,22,23,24 min 4 //5 min,6 min, 15 min,16 min,24 min,25 10//4 min,5,6,7 min,8 min, 13 min, 14,15,16,17,18 min,22 min,23 min,24,25 11 / / 1,2,3,4 min, 7min,8, 9, 10, 11, 12, 13, 14 min, 17 min,18,19,20,21,22,23,24 min 14//1,2,3,4 min, 8 min,9, 10,11,12, 13 min,18 min,19,20,21,22,23 min 15 / / 2min ,3,4,5,6,7,8,9 min, 12min, 13, 14,15,16,17,18,19,20 min, 21 min,22,23,24,25 23//6 min, 15 min, 16 min,24 min, 25 min 29//1,2,3,4,5 min,6 min, 7,8,9,10,11,,12,13,14 min, 17 min, 18, 19,20,21,22,23min 24 / / 1 min,2,3,4,5,6,7,8,9, 10min,11,12, 13, 14, 15. 16, 17, 18,19,20. 21,22,23,24,25 min 25//1,2 min,3 min,9 min,10,11 min,12 min,20 min,21min 30/ /4 min,5,6,7 min, 13 min, 14 min, 15,16,17,18 min, 23 min,24,25 35 / / 2 min, 3,4,5,6,7,8,9 min, 12 min, 13, 14, 15, 16,17,18,19,20 min, 21 min, 22,23,24,25 36//1,2,3 min,9 min, 10,11,12 min, 19 min, 20,21 min 41,/ /1 min,10 min, 11 min, 20min 42 / / 1 min, 2,3,4,5,6,7,8,9,10 min, 11min, 12,13,14,15,16, 17,18,19,20 min, 21. min,22,23,24,25 min 46/ /1, min,2,3,4,5 min,6 min, 7,8,9,10 min, 11/1,11/2,12/2,13,14,15/1 min, 15/2min, 15/3min, 16/1 min,16/2 min,17,18,19,20 min, 21 min, 22,23,24,25 min 52//10 min,11 min, 18 min, 19 min,20,21,22,23,53//1 min,2,3,4,5 min,6

		min, 7,8,9,10min, 12 min, 13,14,15,16,17,18 min, 24 min, 25 55//5/1,5/2,5/3,5/4 min 56//1,2,3,8,9 min, 10 min For Ancillary area 20//16,25 21./ /1617,18,19,20,21.,22,23,24,25 22/ /17,18, 19,20,21,22,23,24 31//1,2,3,4 32//1.,2,3,4,5															
8.	Project Cost	Rs. 9.00 Crores															
9.	Water Requirement	138 KLD															
10.	Source of water	Hired tankers From nearby villages.															
11.	Production	36,00,000 TPA															
12.	Corner Coordinates of the lease area	Latitude- N "28° 25' 9.40" to N "28° 23' 52.43" Longitude- E "77° 28' 28.94" to E "77° 28' 22.76"															
13.	Green belt/ plantation	33% of total area															
14.	Machinery required	Following equipment's are proposed to be deployed for the desired production <table border="1"> <thead> <tr> <th>S.No.</th> <th>Equipm ent</th> <th>Nos</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>JCB</td> <td>08</td> </tr> <tr> <td>2</td> <td>Tippers/ Trucks</td> <td>40</td> </tr> <tr> <td>3</td> <td>Water Tanker</td> <td>2</td> </tr> <tr> <td>4</td> <td>Light vehicles</td> <td>2</td> </tr> </tbody> </table>	S.No.	Equipm ent	Nos	1	JCB	08	2	Tippers/ Trucks	40	3	Water Tanker	2	4	Light vehicles	2
S.No.	Equipm ent	Nos															
1	JCB	08															
2	Tippers/ Trucks	40															
3	Water Tanker	2															
4	Light vehicles	2															
15.	Power Requirement	The mine will get dedicated power supply from Dakshin Haryana BijliVitaran Nigam (DHBVN).															
16.	Power Back up	Mining will be done only in day time.															

The discussion was held on Miyawaki forest, mining plan, LOI,DSR etc. After detailed deliberations Committee decided that the SEAC to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference **along with public consultation**

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mines should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.

- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects

- due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
 - 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
 - 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
 - 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
 - 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
 - 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
- a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Additional ToR

1. The PP shall submit the approved mining plan and closure plan
2. The PP shall submit the approved DSR from the Mining Department
3. The PP shall submit the actual replenishment study approved by the Competent Authority.
4. The PP shall submit the Green plan along with Miyawaki forest details.
5. The PP shall submit the copy of LOI
6. The PP shall submit the exact days of mining
7. The PP shall submit the hydrological study
8. A Sub-Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation department, State Pollution Control Board or Committee, Forest department, Geology or mining officer, revenue department shall visit the site and make recommendation on suitability of site for mining or prohibition thereof after {a} identification of the areas of aggradations or deposition where mining can be allowed; (b) identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited; (c) verify the mining lease boundary; (d) verify the area of the mining lease; (e) suggest the route for transportation of the mineral so that to cause minimum impact on the nearby habitation & agricultural fields; (f) identify the safety zone/restricted area and the area that can be considered for mining after excluding the area as per recommendation of EAC, after considering the other restrictions mentioned in the Sustainable Sand Mining Management Guidelines 2016, S.O. 141(E) dated 15.01.2016, Letter of Intent & District Survey Report; (g) finalize the specific gravity of the material to be mined by the mining lease holders; (h) proposed location for the installation weigh bridge; (i) verification of the initial level of the mining

lease already collected by the PP; (j) verification of the baseline air quantity data collected by the PP and any other point to be considered for the protection environment and health of the nearby habitation. Recommendation of the Committee needs to be annexed with EIA/EMP Report.

9. EIA/EMP report should be prepared for the entire cluster.
10. The Replenishment Study needs to be conducted by an authorized agency and report of the same needs to be submitted.
11. High Powered Committee was constituted under the orders of Hon'ble NGT, headed by Secretary, MOEF&CC, which has given its report dated September, 2016. The PP needs to submit the details that how the PP will comply with the recommendation of the Committee.
12. The Proponent should collect the baseline data in respect of initial level of the mining lease. For this permanent bench marks (BM) needs to be established at prominent location preferably close to mining leases in question and should have precisely known relationship to the level datum of the area, typically mean sea level. The entire mining lease should be divided suitably in the grids of 25 Meter x 25 Meters with the help of sections across the width of river and along the direction of flow of the river. The levels (MSL & RL) of the corner point of each grid need to be recorded. Each Grid should be suitably numbered for identification. PP should identify grids which will be worked out and grids which will come under no mining zone i.e. safety barriers from the river bank, safety barrier at lease boundary, restrictions as per condition of Lol/Mining Lease deed, restriction as Mineral Concession Rule of the Haryana State, restrictions as per sustainable sand mining management guidelines 2016, restriction as per DSR etc. The PP should ascertain the level of the river bed with the help of sections drawn across the width of the rivers and along the direction of flow of the river and based on this define the depth of mining of each grid. The PP should provide in tabular format the details of the grid viz. wise material availability, dimension of grid, location of grid (latitude, longitude, MSL and level from outside ground level of the corner points), average level of grid (AMSL and RL), depth of mining in each grid, area, volume, grids under mining zone and those left under no mining zone etc. The PP should submit surveyed data so collected in the excel or CSV file so that the same can be readily used for verification in CAD or Datamine Software. In addition to this soft & hard copy of all the plan & section needs to be submitted.
13. PP should suitably name each section line. Section Plan for both sections drawn across the river and along the direction of the river needs to be submitted. Each Section should have level on vertical axis and distance from the bank of river on horizontal axis. For the section along the direction of the river the levels to be shown on vertical axis and distance from upstream to downstream should be shown on horizontal axis.
14. The PP should prepare the Mining Plan based on the above survey. The information sought above needs to be a part of the mining plan. In the mining plan year wise production plan should be prepared in three plates for each year. Plat-1 show the mine working for the pre- monsoon period (1st APR- 30th June), Plate-2 should for the period (1st July-15th Sep) as the mining lease area needs to be left for the replenishment of the river bed mineral and no mining should be proposed in this period and plat-3 show the mine working after replenishment of the river bed i.e. post monsoon period (16th Sep- 31st March). The period of monsoon may also be defined in consultation with State Government.
15. PP should specifically mention in the mining plan that in the subsequent scheme of mining/review of mining plan, the year wise data pertaining to replenishment study (all five years) shall be provided which include the level (AMSL & RL) of river bed recorded before and after the monsoon, year wise replenishment quantity, all plan & sections of the replenishment study for the past five years.
16. PP should also submit an undertaking to the effect that each year after the replenishment study the plan & section shall be submitted to concerned Department of Mining & Geology of the State for verification and official record.
17. PP should submit an undertaking by way of affidavit as required as per Ministry's O.M No 3- 50/2017 -1A. IM) dated 30.05.2018 to comply with all the statutory requirements

and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

18. PP should include in EIA Report details of all the statutory clearances, permissions, No objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
19. The PP should submit the revenue plan, revenue plan superimposed on the satellite imaginary clearly demarcate the Govt. land, private land, agricultural land.
20. The PP should clearly bring out the protective and mitigative measures to be taken for the nearby habitation and religious structures in line with the Ministry's O.M. No. Z-11013/57/2014- IA. II (M) dated 29.10.2014.
21. The PP should submit the detailed plan in tabular format (year-wise for life of mine) for afforestation and green belt development in and around the mining lease. The PP should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this PP should show on a surface plan (5 year interval for life of mine) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years.
22. The PP should submit the quantity of surface or ground water to be used for this project. The complete water balance cycle need to be submitted. In addition to this PP should submit a detailed plan for rain water harvesting measures to be taken. The PP should submit the year wise target for reduction in consumption of ground water by developing alternative source of water through rain water harvesting measures. The capital and recurring expenditure to be incurred needs to be submitted.
23. The PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of person to be engaged for implementation of environmental management plan (EMP).
24. The PP should submit the year-wise, activity wise and time bound budget earmarked for EMP, occupational health surveillance & Corporate Environmental Responsibility needs to be submitted.
25. PP should submit the measures to be adopted for prevention of illegal mining and pilferage of mineral.
26. PP should submit the detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory.
27. PP should clearly show the transport route of the mineral and protection and mitigative measure to be adopted while transportation of the mineral. The impact from the center line of the road on either side should be clearly brought out supported with the line source modeling and isopleth. Further, frequency of testing of Poly Achromatic Hydrocarbon needs to be submitted along with budget. Based on the above study the compensation to be paid in the event of damage to the crop and land on the either side of the road needs to be mentioned.
28. PP should clearly bring out that what is the specific diesel consumption and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
29. PP should bring out the awareness campaign to be carried out on various environmental issues, practical training facility to be provided to the environmental engineers/diploma holders, mining engineers/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
30. PP should specifically mention in the mining plan that the method of mining should be as proposed by EAC i.e. by use only Scrapers for mining to ensure that the mining depth be maintained as 3.0 meters. No other heavy machinery like bucket excavators, back-ho, shovel, JCB machines etc. shall not be used for excavation/digging.
31. The safeguards which are suggested in sustainable sand mining guidelines as well as notification dated 15.01.2016 ought to be scrupulously followed and taken into consideration while preparing EIA/EMP Report.
32. The Project Proponent shall apply for NBWL Clearance for the project, if applicable, as per Office Memorandum/Guidelines issued by MoEF&CC in this regard from time to

time.

33. The PP should submit the MoU between State government and Project Proponent.
34. The PP should give the Mining plan duly approved by the competent authority before preparing EIA/EMP report.
35. The project proponent shall get approve the conservation plan from Chief Wildlife Warden, Haryana and submit during the appraisal of the project.
36. The PP should give an affidavit that the mining was not mined to any person including minor minerals and sand.
37. The PP should submit GoI Assessment of Mineral Resources.
38. The PP shall carry out the study of Ecological effect of particulate matter on the flora and fauna.
39. The Detailed reclamation plan of the project area to be submitted.
40. The PP shall submit the undertaking that mining will be carried out in accordance with all other provisions as applicable under the Mines Act, 1952, Mines and Minerals (Development and Regulation) Act, 1957, Forest (Conservation) Act, 1980 and Environment (Protection Act), 1986 and the rules made there under, wild life (Protection) Act 1972, water (Prevention and control of pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981.
41. The PP should submit an affidavit that no JCB will be used for mining and only semi-mechanized mining will be carried out.
42. The PP shall submit that no illegal mining has taken place in the mining lease area and no illegal mining will be allowed during operation of mine.
43. The PP shall get the EIA study conducted by accredited agency for the use of large number of trucks/tippers including the impact of load and frequency of large number of machinery in the mining lease area.
44. The PP shall also submit an affidavit that additional minerals mined during the mining shall be stored as mining burden and same will be intimated to the State Mines & Geology Department.

228.04 ToR for proposed Mahawatpur unit (Minor Mineral) sand Mining Project – 18,00,000MT, area 53.76 ha, near Village Mahawatpur, Faridabad,Haryana by M/s UnicoreRecycling Pvt. Ltd.

Project Proponent : Mr. Vijender Tanwar
Consultant : Vardan Environet

The project was submitted to the SEIAA, Haryana vide proposal no. SIA/HR/MIN/68078/2021 on 01.12.2021 as per check list approved by the SEIAA/SEAC for approval of ToR under category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD of Rs. 1.50 lakh as scrutiny fees in favour of MS, SEIAA. The details of the project, as per the documents submitted by the project proponent and also as informed during the presentation in the meeting are as under:-

Table : Basic details

Name of the Project: Mining of sand minor mineral from the riverbed of Yamuna river with 18,00,000 MT production capacity over an area of 53.76 Hectare located at Village- Mahawatpur unit, Tehsil- Faridabad, District- Faridabad, and State- Haryana proposed by M/s Unicore Recycling Pvt. ltd.		
1)	Online Proposal Number	SIA/HR/MIN/68078/2021
2)	Category/Item no. (in schedule):	Category-B1, Sector I (a)
3)	Area of the project	Area- 94.09 ha

4)	Date of LoI granted by Mines & Geology Department, Haryana	Director, Mines & Geology, Haryana has issued the LOI vide Memo No. DMG/HY/ Mahawatpur unit/Fbd/2021/3172 Dated 16.08.2021 in favors of M/s Unicore Recycling Pvt. Ltd. over an area of 53.76 Hectares for a period of 9 Years.															
5)	Date of approval of Mining plan granted by Mines & Geology Department, Haryana	Mining plan has been prepared and submitted to DMG for their approval.															
6)	Location of Project	Village- Mahawatpurunit,Tehsil& District- Faridabad, Haryana.															
7)	Project Details Khasra No	Village Lalpur - 37//12,19,22/1,22/2 Village Mahawatpur - 27//16,17 min, 23 min, 24,25, 28//17min,18min, 19,20,21,22,23 min, 34//1,2,3 min,9 Min., 10,11,12,min, 19 min, 20,21 min,22 min 35//2 min,3,4,5,6,7,8,9 min, 12,13,14,15,16,17,18,19,22,23,24,25 44/2,3,4,5,6,7,8,9,12,13,14,15,16min,17, 18,19,22,23,24,25 min 45//1 min, 10 min, 11min, 20min 48//2,3,4,5 min, 6min,7,8,9,12,13,14min,17 Min,18,19,22,23,24min 57//2,3,4min,8,9 For Ancillary area 42//5,6,15,16,25 43//1/1,1/2,2,3,4,5/1,6/2,7,8,9/1,9/2,10/1,10/2,11/1,1 1/2,13,14,15,16,17,18,19,20/1,20/2,21/1,22,23,24,25 Village Maujmabad - 23//7 min,8,12,13,14 min, 17/2min, 18 min, 23 min, 24/1 min, 28//2 min, Village Bhaskola - 12//2,3,4,5 min, 6 min, 7,8,9 min,13,14,15 min 16,17,18 min, 23 min, 24/1,24/2,25 13//20 min, 21 min 20//1/1 min, 1/2 min, 10 min,11, 12 min, 19 min, 20//1/1,20/1/2,21,22 min 21//3 min, 4,5,6,7,8 min, 14 Min, 15,16,17 min, 24 min, 25 23//5 min															
8)	Project Cost	Rs. 6.00 Crores															
9)	Water Requirement	74 KLD															
10)	Source of water	Hired tankers From nearby villages.															
11)	Environment Management Plan Budget	3% of project cost															
12)	Production	18,00,000 TPA															
13)	Corner Coordinates of the lease area	Latitude- N 28° 26' 42.18"to N 28° 25' 47.47" Longitude- 77° 24' 59.75" to E77° 25' 12.25"															
14)	Green belt/ plantation	33% of total plot area															
15)	Machinery required	Following equipment's are proposed to be deployed for the desired production <table border="1"> <thead> <tr> <th>S.No</th> <th>Equipment</th> <th>Nos</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>JCB</td> <td>08</td> </tr> <tr> <td>2</td> <td>Tippers/ Trucks</td> <td>40</td> </tr> <tr> <td>3</td> <td>Water Tanker</td> <td>2</td> </tr> <tr> <td>4</td> <td>Light vehicles</td> <td>2</td> </tr> </tbody> </table>	S.No	Equipment	Nos	1	JCB	08	2	Tippers/ Trucks	40	3	Water Tanker	2	4	Light vehicles	2
S.No	Equipment	Nos															
1	JCB	08															
2	Tippers/ Trucks	40															
3	Water Tanker	2															
4	Light vehicles	2															
16)	Power Requirement	The mine will get dedicated power supply from Dakshin Haryana BijliVitaran Nigam (DHBVN).															
17)	Power Back up	Mining will be done only in day time.															

The discussion was held on Miyawaki forest, mining plan, LOI,DSR etc. After detailed deliberations Committee decided that the SEAC to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference along with public consultation:

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mines should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

228th Video Conferencing (VC) Meeting of SEAC, Haryana, dated 03.12.2021 and 04.12.2021

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind

- direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
 - 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
 - 30) Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
 - 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
 - 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 - 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 - 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Additional ToR

1. The PP shall submit the approved mining plan and closure plan
2. The PP shall submit the approved DSR from the Mining Department
3. The PP shall submit the actual replenishment study approved by the Competent Authority.
4. The PP shall submit the Green plan along with Miyawaki forest details.

5. The PP shall submit the copy of LOI
6. The PP shall submit the exact days of mining
7. The PP shall submit the hydrological study .
8. A Sub-Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation department, State Pollution Control Board or Committee, Forest department, Geology or mining officer, revenue department shall visit the site and make recommendation on suitability of site for mining or prohibition thereof after {a} identification of the areas of aggradations or deposition where mining can be allowed; (b) identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited; (c) verify the mining lease boundary; (d) verify the area of the mining lease; (e) suggest the route for transportation of the mineral so that to cause minimum impact on the nearby habitation & agricultural fields; (f) identify the safety zone/restricted area and the area that can be consider for mining after excluding the area as per recommendation of EAC , after considering the other restrictions mentioned in the Sustainable Sand Mining Management Guidelines 2016, S.O. 141(E) dated 15.01.2016, Letter of Intent & District Survey Report; (g) finalize the specific gravity of the material to be mined by the mining lease holders; (h) proposed location for the installation weigh bridge; (i) verification of the initial level of the mining lease already collected by the PP; (j) verification of the baseline air quantity data collected by the PP and any other point to be considered for the protection environment and health of the nearby habitation. Recommendation of the Committee needs to be annexed with EIA/EMP Report.
9. EIA/EMP report should be prepared for the entire cluster.
10. The Replenishment Study needs to be conducted by an authorized agency and report of the same needs to be submitted.
11. High Powered Committee was constituted under the orders of Hon'ble NGT, headed by Secretary, MOEF&CC, which has given its report dated September, 2016. The PP needs to submit the details that how the PP will comply with the recommendation of the Committee.
12. The Proponent should collect the baseline data in respect of initial level of the mining lease. For this permanent bench marks (BM) needs to be established at prominent location preferably close to mining leases in question and should have precisely known relationship to the level datum of the area, typically mean sea level. The entire mining lease should be divided suitably in the grids of 25 Meter x 25 Meters with the help of sections across the width of river and along the direction of flow of the river. The levels (MSL & RL) of the corner point of each grid need to be recorded. Each Grid should be suitably numbered for identification. PP should identify grids which will be worked out and grids which will come under no mining zone i.e. safety barriers from the river bank, safety barrier at lease boundary, restrictions as per condition of Lol/Mining Lease deed, restriction as Mineral Concession Rule of the Haryana State, restrictions as per sustainable sand mining management guidelines 2016, restriction as per DSR etc. The PP should ascertain the level of the river bed with the help of sections drawn across the width of the rivers and along the direction of flow of the river and based on this define the depth of mining of each grid. The PP should provide in tabular format the details of the grid viz. wise material availability, dimension of grid, location of grid (latitude, longitude, MSL and level from outside ground level of the corner points), average level of grid (AMSL and RL), depth of mining in each grid, area, volume, grids under mining zone and those left under no mining zone etc. The PP should submit surveyed data so collected in the excel or CSV file so that the same can be readily used for verification in CAD or Datamine Software. In addition to this soft & hard copy of all the plan & section needs to be submitted.
13. PP should suitably name each section line. Section Plan for both sections drawn across the river and along the direction of the river needs to be submitted. Each Section should have level on vertical axis and distance from the bank of river on horizontal axis. For the section along the direction of the river the levels to be shown on vertical axis and distance from upstream to downstream should be shown on horizontal axis.
14. The PP should prepare the Mining Plan based on the above survey. The information sought above needs to be a part of the mining plan. In the mining plan year wise

production plan should be prepared in three plates for each year. Plat-1 show the mine working for the pre- monsoon period (1st APR- 30th June), Plate-2 should for the period (1st July-15th Sep) as the mining lease area needs to be left for the replenishment of the river bed mineral and no mining should be proposed in thus period and plat-3 show the mine working after replenishment of the river bed i.e. post monsoon period (16th Sep- 31st March). The period of monsoon may also be defined in consultation with State Government.

15. PP should specifically mention in the mining plan that in the subsequent scheme of mining/review of mining plan, the year wise data pertaining to replenishment study (all five years) shall be provided which include the level (AMSL & RL) of river bed recorded before and after the monsoon, year wise replenishment quantity, all plan & sections of the replenishment study for the past five years.
16. PP should also submit an undertaking to the effect that each year after the replenishment study the plan & section shall be submitted to concerned Department of Mining & Geology of the State for verification and official record.
17. PP should submit an undertaking by way of affidavit as required as per Ministry's O.M No 3- 50/2017 -1A. IM) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
18. PP should include in EIA Report details of all the statutory clearances, permissions, No objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
19. The PP should submit the revenue plan, revenue plan superimposed on the satellite imaginary clearly demarcate the Govt. land, private land, agricultural land.
20. The PP should clearly bring out the protective and mitigative measures to be taken for the nearby habitation and religious structures in line with the Ministry's O.M. No. Z- 11013/57/2014- IA. II (M) dated 29.10.2014.
21. The PP should submit the detailed plan in tabular format (year-wise for life of mine) for afforestation and green belt development in and around the mining lease. The PP should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this PP should show on a surface plan (5 year interval for life of mine) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years.
22. The PP should submit the quantity of surface or ground water to be used for this project. The complete water balance cycle need to be submitted. In addition to this PP should submit a detailed plan for rain water harvesting measures to be taken. The PP should submit the year wise target for reduction in consumption of ground water by developing alternative source of water through rain water harvesting measures. The capital and recurring expenditure to be incurred needs to be submitted.
23. The PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of person to be engaged for implementation of environmental management plan (EMP).
24. The PP should submit the year-wise, activity wise and time bound budget earmarked for EMP, occupational health surveillance & Corporate Environmental Responsibility needs to be submitted.
25. PP should submit the measures to be adopted for prevention of illegal mining and pilferage of mineral.
26. PP should submit the detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory.
27. PP should clearly show the transport route of the mineral and protection and mitigative measure to be adopted while transportation of the mineral. The impact from the center line of the road on either side should be clearly brought out supported with the line source modeling and isopleth. Further, frequency of testing of Poly Achromatic Hydrocarbon needs to be submitted along with budget. Based on the above study the compensation to be paid in the event of damage to the crop and land on the either side

- of the road needs to be mentioned.
28. PP should clearly bring out that what is the specific diesel consumption and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
 29. PP should bring out the awareness campaign to be carried out on various environmental issues, practical training facility to be provided to the environmental engineers/diploma holders, mining engineers/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
 30. PP should specifically mention in the mining plan that the method of mining should be as proposed by EAC i.e. by use only Scrapers for mining to ensure that the mining depth be maintained as 3.0 meters. No other heavy machinery like bucket excavators, back-ho, shovel, JCB machines etc. shall not be used for excavation/digging.
 31. The safeguards which are suggested in sustainable sand mining guidelines as well as notification dated 15.01.2016 ought to be scrupulously followed and taken into consideration while preparing EIA/EMP Report.
 32. The Project Proponent shall apply for NBWL Clearance for the project, if applicable, as per Office Memorandum/Guidelines issued by MoEF&CC in this regard from time to time.
 33. The PP should submit the MoU between State government and Project Proponent.
 34. The PP should give the Mining plan duly approved by the competent authority before preparing EIA/EMP report.
 35. The project proponent shall get approve the conservation plan from Chief Wildlife Warden, Haryana and submit during the appraisal of the project.
 36. The PP should give an affidavit that the mining was not mined to any person including minor minerals and sand.
 37. The PP should submit GoI Assessment of Mineral Resources.
 38. The PP shall carry out the study of Ecological effect of particulate matter on the flora and fauna.
 39. The Detailed reclamation plan of the project area to be submitted.
 40. The PP shall submit the undertaking that mining will be carried out in accordance with all other provisions as applicable under the Mines Act, 1952, Mines and Minerals (Development and Regulation) Act, 1957, Forest (Conservation) Act, 1980 and Environment (Protection) Act, 1986 and the rules made there under, wild life (Protection) Act 1972, water (Prevention and control of pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981.
 41. The PP should submit an affidavit that no JCB will be used for mining and only semi-mechanized mining will be carried out.
 42. The PP shall submit that no illegal mining has taken place in the mining lease area and no illegal mining will be allowed during operation of mine.
 43. The PP shall get the EIA study conducted by accredited agency for the use of large number of trucks/tippers including the impact of load and frequency of large number of machinery in the mining lease area.
 44. The PP shall also submit an affidavit that additional minerals mined during the mining shall be stored as mining burden and same will be intimated to the State Mines & Geology Department.

228.05 ToR for proposed Makanpur Unit (Minor Mineral) sand Mining Project – 24,00,000MT area 66.32 ha. near Village Makhanpur, Faridabad, Haryana by M/S Dev&Div Solutions pvt.Ltd.

Project Proponent: Mr. Laxman Kumar Binani

Consultant : Vardan Enviro

The project was submitted to the SEIAA, Haryana vide proposal no. SIA/HR/MIN/68081/2021 on 01.12.2021 as per check list approved by the SEIAA/SEAC for approval of ToR under category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD of Rs. 1.50 lakh as scrutiny fees in favour of MS, SEIAA. The details of the project, as per the documents submitted by the project proponent and also as informed during the presentation in the meeting are as under:-

Table: Basic details

Name of the Project: Mining of sand minor mineral from the riverbed of Yamuna river with 24,00,000 MT production capacity over an area of 66.32 Hectare located at Village- Makhanpur unit, Tehsil- & District- Faridabad, and State- Haryana proposed by M/s Dev &Div Solutions Pvt. Ltd.								
1.	Online Proposal Number	SIA/HR/MIN/68081/2021						
2.	Category/Item no. (in schedule):	Category-B1, Sector I (a)						
3.	Area of the project	Area- 66.32 ha						
4.	Date of LoI granted by Mines & Geology Department, Haryana	LOI grant vide letter no. vide letter no. DMG/HY/Makhanpur Unit/FBD/2021/3176 dated 16/08/2021 in favor of M/s Dev &Div Solutions Pvt. Ltd.						
5.	Date of approval of Mining plan granted by Mines & Geology Department, Haryana	Mining plan has been prepared and submitted to DMG for their approval.						
6.	Location of Project	Village-Makhanpur unit, Tehsil & District- Faridabad, Haryana.						
7.	Project Details Khasra No	6//7Min, 12Min,13,14,17,18,19,20 min,21,22,23 7//16 min,17 min,22 min,23 min ,24 min,25 11//23 min,24 min,25 min 12//22 min, 23,24,25 13//4min,5min,6,7min,8 min,9 min,11 min,12 min,13,14,15,16,17,18,19,20,21,22,23,24,25min 14//1min,2min,3,4,5,6,7,8,9,10,11,12,13,14, min,15 min,18 min,19 min ,20,21min 15//1,2,3 min, 9 min,10 min 18//1,2,3 min,4 min,8 min,9 min,10 min,11 min 19//1,2,3,4,5,6,7,8,9,10,11,12,13,14 min,17 min ,18 min ,19,20 min 20//3,4,5,6,7,8,9,12,13,14,15,16,17,18,19,20,21,22,23,24,25, 22//5,6,7,8,12,13,14,15,16 min,17,18,19,20,21,22,23 23//1,2,3,4 min,5 min,8 min,9 min,10,11 min, 33//1,2,3,4 min,8 min,9,10,11,12,13 min,18 min,19, 20,21,22,23 min 36//1,2 min,10 min,11 min,20 min,21 min 47//1 min,10 min,11 min For Ancillary area 4//11,12,13,14,15,16,17,18,19,20,21,22,23,24,25 7//1,2,3,4,5,6,7,8,9,10,11,12,13,14,15						
8.	Project Cost	Rs. 7.00 Crores						
9.	Water Requirement	87 KLD						
10.	Source of water	Hired tankers From nearby villages.						
11.	Environment Management Plan Budget	3% of project cost						
12.	Production	24,00,000 TPA						
13.	Corner Coordinates of the lease area	Latitude- N "28° 16' 18.96" to N "28° 15' 32.67" Longitude- E "77° 29' 24.98" to E "77° 28' 15.78"						
14.	Green belt/ plantation	33% of total plot area						
15.	Machinery required	Following equipment's are proposed to be deployed for the desired production <table border="1"> <thead> <tr> <th>S.No</th> <th>Equipment</th> <th>Nos</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S.No	Equipment	Nos			
S.No	Equipment	Nos						

		.		
		1	JCB	08
		2	Tippers/ Trucks	40
		3	Water Tanker	2
		4	Light vehicles	2
16.	Power Requirement	The mine will get dedicated power supply from Dakshin Haryana Bijli Vitaran Nigam (DHBVN).		
17.	Power Back up	Mining will be done only in day time.		

The discussion was held on Miyawaki forest, mining plan, LOI, DSR etc. After detailed deliberations Committee decided that the SEAC to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference along with public consultation:

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mines should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.

- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RETS species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared

- and submitted accordingly, integrating the sectoral programmes of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.
 - 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
 - 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
 - 30) Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
 - 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the

- infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 - 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 - 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 - 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 - 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 - 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
 - 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
 - 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 - 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 - 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
 - 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 - 44) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for

the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Additional ToR

1. The PP shall submit the approved mining plan and closure plan
2. The PP shall submit the approved DSR from the Mining Department
3. The PP shall submit the actual replenishment study approved by the Competent Authority.
4. The PP shall submit the Green plan along with Miyawaki forest details.
5. The PP shall submit the copy of LOI
6. The PP shall submit the exact days of mining
7. The PP shall submit the hydrological study
8. A Sub-Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation department, State Pollution Control Board or Committee, Forest department, Geology or mining officer, revenue department shall visit the site and make recommendation on suitability of site for mining or prohibition thereof after {a} identification of the areas of aggradations or deposition where mining can be allowed; (b) identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited; (c) verify the mining lease boundary; (d) verify the area of the mining lease; (e) suggest the route for transportation of the mineral so that to cause minimum impact on the nearby habitation & agricultural fields; (f) identify the safety zone/restricted area and the area that can be considered for mining after excluding the area as per recommendation of EAC, after considering the other restrictions mentioned in the Sustainable Sand Mining Management Guidelines 2016, S.O. 141(E) dated 15.01.2016, Letter of Intent & District Survey Report; (g) finalize the specific gravity of the material to be mined by the mining lease holders; (h) proposed location for the installation weigh bridge; (i) verification of the initial level of the mining lease already collected by the PP; (j) verification of the baseline air quality data collected by the PP and any other point to be considered for the protection environment and health of the nearby habitation. Recommendation of the Committee needs to be annexed with EIA/EMP Report.
9. EIA/EMP report should be prepared for the entire cluster.
10. The Replenishment Study needs to be conducted by an authorized agency and report of the same needs to be submitted.
11. High Powered Committee was constituted under the orders of Hon'ble NGT, headed by Secretary, MOEF&CC, which has given its report dated September, 2016. The PP needs to submit the details that how the PP will comply with the recommendation of the Committee.
12. The Proponent should collect the baseline data in respect of initial level of the mining lease. For this permanent bench marks (BM) needs to be established at prominent location preferably close to mining leases in question and should have precisely known relationship to the level datum of the area, typically mean sea level. The entire mining lease should be divided suitably in the grids of 25 Meter x 25 Meters with the help of sections across the width of river and along the direction of flow of the river. The levels (MSL & RL) of the corner point of each grid need to be recorded. Each Grid should be suitably numbered for identification. PP should identify grids which will be worked out and grids which will come under no mining zone i.e. safety barriers from the river bank, safety barrier at lease boundary, restrictions as per condition of Lol/Mining Lease deed, restriction as Mineral Concession Rule of the Haryana State, restrictions as per sustainable sand mining management guidelines 2016, restriction as per DSR etc. The PP should ascertain the level of the river bed with the help of sections drawn across the width of the rivers and along the direction of flow of the river and based on this define the depth of mining of each grid. The PP should provide in tabular format the details of

the grid viz. wise material availability, dimension of grid, location of grid (latitude, longitude, MSL and level from outside ground level of the corner points), average level of grid (AMSL and RL), depth of mining in each grid, area, volume, grids under mining zone and those left under no mining zone etc. The PP should submit surveyed data so collected in the excel or CSV file so that the same can be readily used for verification in CAD or Datamine Software. In addition to this soft & hard copy of all the plan & section needs to be submitted.

13. PP should suitably name each section line. Section Plan for both sections drawn across the river and along the direction of the river needs to be submitted. Each Section should have level on vertical axis and distance from the bank of river on horizontal axis. For the section along the direction of the river the levels to be shown on vertical axis and distance from upstream to downstream should be shown on horizontal axis.
14. The PP should prepare the Mining Plan based on the above survey. The information sought above needs to be a part of the mining plan. In the mining plan year wise production plan should be prepared in three plates for each year. Plat-1 show the mine working for the pre- monsoon period (1st APR- 30th June), Plate-2 should for the period (1st July-15th Sep) as the mining lease area needs to be left for the replenishment of the river bed mineral and no mining should be proposed in thus period and plat-3 show the mine working after replenishment of the river bed i.e. post monsoon period (16th Sep- 31st March). The period of monsoon may also be defined in consultation with State Government.
15. PP should specifically mention in the mining plan that in the subsequent scheme of mining/review of mining plan, the year wise data pertaining to replenishment study (all five years) shall be provided which include the level (AMSL & RL) of river bed recorded before and after the monsoon, year wise replenishment quantity, all plan & sections of the replenishment study for the past five years.
16. PP should also submit an undertaking to the effect that each year after the replenishment study the plan & section shall be submitted to concerned Department of Mining & Geology of the State for verification and official record.
17. PP should submit an undertaking by way of affidavit as required as per Ministry's O.M No 3- 50/2017 -1A. IM) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
18. PP should include in EIA Report details of all the statutory clearances, permissions, No objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
19. The PP should submit the revenue plan, revenue plan superimposed on the satellite imaginary clearly demarcate the Govt. land, private land, agricultural land.
20. The PP should clearly bring out the protective and mitigative measures to be taken for the nearby habitation and religious structures in line with the Ministry's O.M. No. Z- 11013/57/2014- IA. II (M) dated 29.10.2014.
21. The PP should submit the detailed plan in tabular format (year-wise for life of mine) for afforestation and green belt development in and around the mining lease. The PP should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this PP should show on a surface plan (5 year interval for life of mine) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years.
22. The PP should submit the quantity of surface or ground water to be used for this project. The complete water balance cycle need to be submitted. In addition to this PP should submit a detailed plan for rain water harvesting measures to be taken. The PP should submit the year wise target for reduction in consumption of ground water by developing alternative source of water through rain water harvesting measures. The capital and recurring expenditure to be incurred needs to be submitted.
23. The PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of person to be engaged for implementation of

- environmental management plan (EMP).
24. The PP should submit the year-wise, activity wise and time bound budget earmarked for EMP, occupational health surveillance & Corporate Environmental Responsibility needs to be submitted.
 25. PP should submit the measures to be adopted for prevention of illegal mining and pilferage of mineral.
 26. PP should submit the detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory.
 27. PP should clearly show the transport route of the mineral and protection and mitigative measure to be adopted while transportation of the mineral. The impact from the center line of the road on either side should be clearly brought out supported with the line source modeling and isopleth. Further, frequency of testing of Poly Achromatic Hydrocarbon needs to be submitted along with budget. Based on the above study the compensation to be paid in the event of damage to the crop and land on the either side of the road needs to be mentioned.
 28. PP should clearly bring out that what is the specific diesel consumption and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
 29. PP should bring out the awareness campaign to be carried out on various environmental issues, practical training facility to be provided to the environmental engineers/diploma holders, mining engineers/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
 30. PP should specifically mention in the mining plan that the method of mining should be as proposed by EAC i.e. by use only Scrapers for mining to ensure that the mining depth be maintained as 3.0 meters. No other heavy machinery like bucket excavators, back-ho, shovel, JCB machines etc. shall not be used for excavation/digging.
 31. The safeguards which are suggested in sustainable sand mining guidelines as well as notification dated 15.01.2016 ought to be scrupulously followed and taken into consideration while preparing EIA/EMP Report.
 32. The Project Proponent shall apply for NBWL Clearance for the project, if applicable, as per Office Memorandum/Guidelines issued by MoEF&CC in this regard from time to time.
 33. The PP should submit the MoU between State government and Project Proponent.
 34. The PP should give the Mining plan duly approved by the competent authority before preparing EIA/EMP report.
 35. The project proponent shall get approve the conservation plan from Chief Wildlife Warden, Haryana and submit during the appraisal of the project.
 36. The PP should give an affidavit that the mining was not mined to any person including minor minerals and sand.
 37. The PP should submit GoI Assessment of Mineral Resources.
 38. The PP shall carry out the study of Ecological effect of particulate matter on the flora and fauna.
 39. The Detailed reclamation plan of the project area to be submitted.
 40. The PP shall submit the undertaking that mining will be carried out in accordance with all other provisions as applicable under the Mines Act, 1952, Mines and Minerals (Development and Regulation) Act, 1957, Forest (Conservation) Act, 1980 and Environment (Protection Act), 1986 and the rules made there under, wild life (Protection) Act 1972, water (Prevention and control of pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981.
 41. The PP should submit an affidavit that no JCB will be used for mining and only semi-mechanized mining will be carried out.
 42. The PP shall submit that no illegal mining has taken place in the mining lease area and no illegal mining will be allowed during operation of mine.
 43. The PP shall get the EIA study conducted by accredited agency for the use of large number of trucks/tippers including the impact of load and frequency of large number of machinery in the mining lease area.
 44. The PP shall also submit an affidavit that additional minerals mined during the mining shall be stored as mining burden and same will be intimated to the State Mines &

228.06 ToR for proposed DadsiaKiranwali Unit (Minor Mineral) sand Mining Project – 36,00,000 MT area 94.09 ha. near Village DadsiaKiranwali, Faridabad, Haryana by M/S DEV & DIV SOLUTIONS PVT. LTD

Project Proponent : Mr. Laxman Kumar Binani

Consultant : Vardan Enviro

The project was submitted to the SEIAA, Haryana vide proposal no. SIA/HR/MIN/68086/2021 dated 01.12.2021 as per check list approved by the SEIAA/SEAC for approval of ToR under category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD of Rs. 1.50 lakh as scrutiny fees in favour of MS, SEIAA. The details of the project, as per the documents submitted by the project proponent and also as informed during the presentation in the meeting are as under:-

Table1: Basic details

Name of the Project: Mining of sand minor mineral from the riverbed Yamuna river with 36,00,000 MT production capacity over an area of 94.09 hectare located at Village- DadsiaKiranwali, District- Faridabad, and State- Haryana proposed by M/s Dev &Div Solutions Pvt. ltd.		
1.	Online Proposal Number	SIA/HR/MIN/68086/2021
2.	Category/Item no. (in schedule):	Category-B1, Sector I (a)
3.	Area of the project	Area- 94.09 ha
4.	Date of LoI granted by Mines & Geology Department, Haryana	Director, Mines & Geology, Haryana has issued the LOI vide Memo No. DMG/HY/Dadsia Unit/Fbd/2021/3170 Dated 16.08.2021 in favour of M/s Dev &Div Solutions Pvt. Ltd. over an area of 94.09 Hectares for a period of 10 Years.
5.	Date of approval of Mining plan granted by Mines & Geology Department, Haryana	Mining plan has been prepared and submitted to DMG for their approval.
6.	Location of Project	Village- DadsiaKiranwali unit, Tehsil & District- Faridabad, Haryana.
7.	Project Details Khasra No	Village Dadsia 1//18 min, 22, 24min,23 3//10min, 11min, 12min, 18min, 19min, 20,21,22,23min 4//2,3,4,5min,6,7,8,9,12,13,14 15/1, 15/2, 16,17,18,19,20,21,22 23,24,25/1,25/2 5//25 6//5min,6min 7//1,2,3,4,5,6,7,8/1,8/2,9,10min, 11min, 12min, 13 14,15,16,17,18min, 19min,23min, 24,25 8//1,2,3,4,7,8,9,10,11,12,13,14,15/1, 15/2,16,17, 18,19,20,21,22,23,24,25 9//19min, 20min, 21,22,min 10//20/1min,20/2min, 21,22min, 23min 11//1,2,3min,7 min, 8,9,10,11,12,13,14,15,min,16,17,18,19, 20,21,22,23,24,25 12//1,2,3,4,5,6,7,8,9,10min,

		12min, 13min, 14,15,16min, 17min, 18min,25min, 21//1,2,3,8,9,10,11,12,13,18,19,20,21min,22min,23min For Ancillary area 24//8,9,10,11,12,13,18,19,20,21,22,23, 25//4,5,6,7,14,15,16,17,24,25/1,25/2 30//4min, 5/1,5/2,6/1 min 31//1,2,3,8,9,10,12,13 Village Kirawali 1/2/1 min, 1/6/2 min															
8.	Project Cost	Rs. 9.00 Crores															
9.	Water Requirement	125 KLD															
10.	Source of water	Hired tankers From nearby villages.															
11.	Environment Management Plan Budget	3% of project cost															
12.	Production	36,00,000 TPA															
13.	Corner Coordinates of the lease area	Latitude- N "28° 28' 16.44"to N 28° 28' 10.45" Longitude- E "E 77° 22' 19.02 to E 77° 22' 49.85"															
14.	Green belt/ plantation	33% of total plot area															
15.	Machinery required	Following equipment's are proposed to be deployed for the desired production <table border="1"> <thead> <tr> <th>S.No.</th> <th>Equipment</th> <th>Nos</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>JCB</td> <td>10</td> </tr> <tr> <td>2</td> <td>Tippers/ Trucks</td> <td>50</td> </tr> <tr> <td>3</td> <td>Water Tanker</td> <td>3</td> </tr> <tr> <td>4</td> <td>Light vehicles</td> <td>4</td> </tr> </tbody> </table>	S.No.	Equipment	Nos	1	JCB	10	2	Tippers/ Trucks	50	3	Water Tanker	3	4	Light vehicles	4
S.No.	Equipment	Nos															
1	JCB	10															
2	Tippers/ Trucks	50															
3	Water Tanker	3															
4	Light vehicles	4															
16.	Power Requirement	The mine will get dedicated power supply from Dakshin Haryana Bijli Vitaran Nigam (DHBVN).															
17.	Power Back up	Mining will be done in day time only.															

The discussion was held on Miyawaki forest, mining plan, LOI, DSR etc. after detailed deliberations Committee decided that the SEAC to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference along with public consultation :

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mines should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals

- and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
 - 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or share holders or stakeholders at large, may also be detailed in the EIA Report.
 - 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
 - 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
 - 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
 - 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
 - 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
 - 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
 - 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
 - 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
 - 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
 - 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
 - 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly

- indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
 - 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
 - 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
 - 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
 - 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary

- permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
 - 30) Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
 - 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
 - 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 - 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 - 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 - 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 - 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 - 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
 - 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
 - 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 - 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 - 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
 - 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 - 44) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc.using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reportsshould be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translationshould be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier bytheMinistry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for theConsultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August,2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I andthe PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasonsfor such changes and permission should be sought, as the TOR may also have to be altered.Post Public Hearing changes in structure and content of the draft EIA/EMP (other thanmodifications arising out of the P.H. process) will entail conducting the PH again with therevised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of thestatus of compliance of the conditions stipulated in the environment clearance for the existingoperations of the project, should be obtained from the Regional Office of Ministry ofEnvironment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of maintopographic features, drainage and mining area, (ii) geological maps and sections and (iii)sections of the mine pit and external dumps, if any, clearly showing the land features of theadjoining area.

Additional ToR

1. The PP shall submit the approved mining plan and closure plan
2. The PP shall submit the approved DSR from the Mining Department
3. The PP shall submit the actual replenishment study approved by the Competent Authority.
4. The PP shall submit the Green plan along with Miyawaki forest details.
5. The PP shall submit the copy of LOI
6. The PP shall submit the exact days of mining
7. The PP shall submit the hydrological study
8. A Sub-Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation department, State Pollution Control Board or Committee, Forest department, Geology or mining officer, revenue department shall visit the site and make recommendation on suitability of site for mining or prohibition thereof after {a} identification of the areas of aggradations or deposition where mining can be allowed; (b) identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited; (c) verify the mining lease boundary; (d) verify the area of the mining lease; (e) suggest the route for transportation of the mineral so that to cause minimum impact on the nearby habitation& agricultural fields; (f) identify the safety zone/restricted area and the area that can be consider for mining after excluding the area as per recommendation of EAC , after considering the other restrictions mentioned in the Sustainable Sand Mining Management Guidelines 2016, S.O. 141(E) dated 15.01.2016, Letter of Intent & District Survey Report; (g) finalize the specific gravity of the material to be mined by the mining lease holders; (h) proposed location for the installation weigh bridge; (i) verification of the initial level of the mining lease already collected by the PP; (j) verification of the baseline air quantity data collected by the PP and any other point to be considered for the protection environment and health of the nearby habitation. Recommendation of the Committee needs to be annexed with EIA/EMP Report.
9. EIA/EMP report should be prepared for the entire cluster.

10. The Replenishment Study needs to be conducted by an authorized agency and report of the same needs to be submitted.
11. High Powered Committee was constituted under the orders of Hon'ble NGT, headed by Secretary, MOEF&CC, which has given its report dated September, 2016. The PP needs to submit the details that how the PP will comply with the recommendation of the Committee.
12. The Proponent should collect the baseline data in respect of initial level of the mining lease. For this permanent bench marks (BM) needs to be established at prominent location preferably close to mining leases in question and should have precisely known relationship to the level datum of the area, typically mean sea level. The entire mining lease should be divided suitably in the grids of 25 Meter x 25 Meters with the help of sections across the width of river and along the direction of flow of the river. The levels (MSL & RL) of the corner point of each grid need to be recorded. Each Grid should be suitably numbered for identification. PP should identify grids which will be worked out and grids which will come under no mining zone i.e. safety barriers from the river bank, safety barrier at lease boundary, restrictions as per condition of Lol/Mining Lease deed, restriction as Mineral Concession Rule of the Haryana State, restrictions as per sustainable sand mining management guidelines 2016, restriction as per DSR etc. The PP should ascertain the level of the river bed with the help of sections drawn across the width of the rivers and along the direction of flow of the river and based on this define the depth of mining of each grid. The PP should provide in tabular format the details of the grid viz. wise material availability, dimension of grid, location of grid (latitude, longitude, MSL and level from outside ground level of the corner points), average level of grid (AMSL and RL), depth of mining in each grid, area, volume, grids under mining zone and those left under no mining zone etc. The PP should submit surveyed data so collected in the excel or CSV file so that the same can be readily used for verification in CAD or Datamine Software. In addition to this soft & hard copy of all the plan & section needs to be submitted.
13. PP should suitably name each section line. Section Plan for both sections drawn across the river and along the direction of the river needs to be submitted. Each Section should have level on vertical axis and distance from the bank of river on horizontal axis. For the section along the direction of the river the levels to be shown on vertical axis and distance from upstream to downstream should be shown on horizontal axis.
14. The PP should prepare the Mining Plan based on the above survey. The information sought above needs to be a part of the mining plan. In the mining plan year wise production plan should be prepared in three plates for each year. Plat-1 show the mine working for the pre- monsoon period (1st APR- 30th June), Plate-2 should for the period (1st July-15th Sep) as the mining lease area needs to be left for the replenishment of the river bed mineral and no mining should be proposed in thus period and plat-3 show the mine working after replenishment of the river bed i.e. post monsoon period (16th Sep- 31st March). The period of monsoon may also be defined in consultation with State Government.
15. PP should specifically mention in the mining plan that in the subsequent scheme of mining/review of mining plan, the year wise data pertaining to replenishment study (all five years) shall be provided which include the level (AMSL & RL) of river bed recorded before and after the monsoon, year wise replenishment quantity, all plan & sections of the replenishment study for the past five years.
16. PP should also submit an undertaking to the effect that each year after the replenishment study the plan & section shall be submitted to concerned Department of Mining & Geology of the State for verification and official record.
17. PP should submit an undertaking by way of affidavit as required as per Ministry's O.M No 3- 50/2017 -1A. IM) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
18. PP should include in EIA Report details of all the statutory clearances, permissions, No objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
19. The PP should submit the revenue plan, revenue plan superimposed on the satellite

- imaginary clearly demarcate the Govt. land, private land, agricultural land.
20. The PP should clearly bring out the protective and mitigative measures to be taken for the nearby habitation and religious structures in line with the Ministry's O.M. No. Z-11013/57/2014- IA. II (M) dated 29.10.2014.
 21. The PP should submit the detailed plan in tabular format (year-wise for life of mine) for afforestation and green belt development in and around the mining lease. The PP should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this PP should show on a surface plan (5 year interval for life of mine) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years.
 22. The PP should submit the quantity of surface or ground water to be used for this project. The complete water balance cycle need to be submitted. In addition to this PP should submit a detailed plan for rain water harvesting measures to be taken. The PP should submit the year wise target for reduction in consumption of ground water by developing alternative source of water through rain water harvesting measures. The capital and recurring expenditure to be incurred needs to be submitted.
 23. The PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of person to be engaged for implementation of environmental management plan (EMP).
 24. The PP should submit the year-wise, activity wise and time bound budget earmarked for EMP, occupational health surveillance & Corporate Environmental Responsibility needs to be submitted.
 25. PP should submit the measures to be adopted for prevention of illegal mining and pilferage of mineral.
 26. PP should submit the detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory.
 27. PP should clearly show the transport route of the mineral and protection and mitigative measure to be adopted while transportation of the mineral. The impact from the center line of the road on either side should be clearly brought out supported with the line source modeling and isopleth. Further, frequency of testing of Poly Achromatic Hydrocarbon needs to be submitted along with budget. Based on the above study the compensation to be paid in the event of damage to the crop and land on the either side of the road needs to be mentioned.
 28. PP should clearly bring out that what is the specific diesel consumption and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
 29. PP should bring out the awareness campaign to be carried out on various environmental issues, practical training facility to be provided to the environmental engineers/diploma holders, mining engineers/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
 30. PP should specifically mention in the mining plan that the method of mining should be as proposed by EAC i.e. by use only Scrapers for mining to ensure that the mining depth be maintained as 3.0 meters. No other heavy machinery like bucket excavators, back-ho, shovel, JCB machines etc. shall not be used for excavation/digging.
 31. The safeguards which are suggested in sustainable sand mining guidelines as well as notification dated 15.01.2016 ought to be scrupulously followed and taken into consideration while preparing EIA/EMP Report.
 32. The Project Proponent shall apply for NBWL Clearance for the project, if applicable, as per Office Memorandum/Guidelines issued by MoEF&CC in this regard from time to time.
 33. The PP should submit the MoU between State government and Project Proponent.
 34. The PP should give the Mining plan duly approved by the competent authority before preparing EIA/EMP report.
 35. The project proponent shall get approve the conservation plan from Chief Wildlife Warden, Haryana and submit during the appraisal of the project.

36. The PP should give an affidavit that the mining was not mined to any person including minor minerals and sand.
37. The PP should submit GoI Assessment of Mineral Resources.
38. The PP shall carry out the study of Ecological effect of particulate matter on the flora and fauna.
39. The Detailed reclamation plan of the project area to be submitted.
40. The PP shall submit the undertaking that mining will be carried out in accordance with all other provisions as applicable under the Mines Act, 1952, Mines and Minerals (Development and Regulation) Act, 1957, Forest (Conservation) Act, 1980 and Environment (Protection) Act, 1986 and the rules made there under, wild life (Protection) Act 1972, water (Prevention and control of pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981.
41. The PP should submit an affidavit that no JCB will be used for mining and only semi-mechanized mining will be carried out.
42. The PP shall submit that no illegal mining has taken place in the mining lease area and no illegal mining will be allowed during operation of mine.
43. The PP shall get the EIA study conducted by accredited agency for the use of large number of trucks/tippers including the impact of load and frequency of large number of machinery in the mining lease area.
44. The PP shall also submit an affidavit that additional minerals mined during the mining shall be stored as mining burden and same will be intimated to the State Mines & Geology Department.

228.07 EC for compliance under violation category for the project Expansion of Residential Group Housing Colony (Township Residential Complex and Commercial complex) at Village Rasoi, G.T. Karnal Road, Sector 61, Sonipat, Haryana by M/s CMD Pardesi Developers Pvt. Ltd

The project was submitted to the SEIAA, Haryana on 19.04.2018 received in the SEAC on 27.04.2018. The project proponent has submitted the Form-1, Form-1A and Conceptual Plan to the SEIAA with reference to the Notification No. S.O.804 (E), dated the 14th March, 2017 and subsequent Notification No.S.O.1030 (E) dated 08th March, 2018, issued by the Ministry of Environment, Forest and Climate Change. The MoEF& CC has prescribed the process for appraisal of projects for grant of Terms of Reference and Environmental Clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance or changed the product mix without obtaining prior environmental clearance as mandated under the Environment Impact Assessment Notification, 2006 (S.O. 1533 (E), dated the 14th September, 2006;

The Ministry of Environment, Forest and Climate Change in the Notification dated 08.03.2018 inter alia, directed vide sub-paragraph (2) of paragraph 13, that in case the projects or activities requiring prior environmental clearance under Environment Impact Assessment notification, 2006 from the concerned Regulatory Authority, are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product- mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted Environmental Clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) section 4 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the State Expert Appraisal Committee and

228thVideo Conferencing (VC) Meeting of SEAC, Haryana, dated 03.12.2021 and 04.12.2021

Environmental Clearance will be granted at the State level by State Environment Impact Assessment Authority constituted under sub-section (3) section 3 of the Environment (Protection) Act, 1986.

Thereafter the proposal was considered by the State Expert Appraisal Committee, Haryana in its 169th meeting held on 18.05.2018 for approval of Terms of Reference under violation Notification dated 14.03.2017 and 08.0.2018 respectively.

During presentation, the Committee was informed that it is proposed construction of "Township residential Complex and Commercial Complex at Village Rasoi, G.T. Karnal Road, Sonapat, Haryana by M/s CMD Pardesi Developers Pvt. Ltd. The estimated cost of the project is Rs. 135.85 crores. Total Plot area is 14.149 Acres (57262.928 Sq. Meters). Total built up area is 134762.506 Sq. Meters. The said project/activity is covered under category B of item 8(a) of the Schedule to the EIA Notification, 2006 and requires prior Environmental Clearance. The project will comprise of 17 Towers consisting of One Basement + Thirteen Floors).

The Committee was unanimously decided that it is confirmed case to be of violation of the EIA Notification, 2006 and recommended for the following:-

- i) The State Government/SPCB to take action against the project proponent under the provisions of the section 19 of the Environment (Protection) Act, 1986, and further no consent to operate or occupancy certificate to be issued till the project is granted EC.
- ii) Grant of Terms of Reference for undertaking EIA and preparation of Environment Management Plan (EMP)
- iii) 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 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.
- iv) The detail of the case as per documents submitted is as under :-
 - The project was submitted to the SEIAA vide online proposal no. HR/ SEAC/ VIO/19/14 on dated 22.01.2020 to the SEIAA as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(b) of EIA Notification 14.09.2006.
 - The ToR was granted to the project on 07.08.2018.
 - The PP submitted the EIA/EMP report vide letter no. SEIAA/HR/2019/20 dated 22.01.2020. Thereafter, the case was taken up in 196th meeting of SEAC, Haryana held on 11.02.2020 but the PP requested in writing vide letter dated 07.02.2020 for the deferment of the case which was considered and acceded by the SEAC.
 - Then, the case was again taken up in 206th meeting of SEAC Haryana held on 26.11.2020 but the PP and the consultant requested in writing to defer the case. The SEAC deliberated that as the case is pending since long but on the request of PP the committee acceded the request and decided to defer the case for the last time.

Thereafter the case was again taken up in the 211th meeting and the PP requested in writing vide email dated 25.02.2021 that the project has already obtained consent to operate.

The committee deliberated the project in view of MoEF&CC guidelines j-11 013/5/2009-IA-II (part) dated 30.10.2012 and 18.11.2020. The Discussion was held on the point no. 2(e) of MoEF&CC OM dated 18.11.2020 i.e.

“In case a Project Proponent or his consultant did not attend the meeting or does not reply to the queries raised for more than six month, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started”.

It was deliberated that in the above project received on dated 01.05.2019 and in spite of taking up in meeting of SEAC no reply has been received even after lapse of more than six months and the committee unanimously decided to send the case to SEIAA and recommended that in accordance of the MoEF&CC OM Dated 18.11.2020, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started.

The recommendation of SEAC was considered in the 128th Meeting of SEIAA held on 26.05.2021 and after going through the communication from MOEF & CC, GOI OM dated 18.11.2020; so, it has been revealed that guidelines of EAC at Ministry Level. Hence, it is decided that the case be sent back to SEAC for getting the project inspected by their members and take a final view after that.

Thereafter, the case was taken up in 217th meeting of SEAC held on 20.07.2021. The discussion was held on the MoEF Notification 18.11.2020 and the decision of SEIAA in its meeting regarding the projects to be get inspected by the members of SEAC. As per the orders of SEIAA vide its 128th MOM dated 26.05.2021. A Committee was formed comprising of the following:-

1. Sh. VK Gupta , Chairman
2. Sh. Hitender Kumar, Member SEAC

The Committee shall visit the project site and submit the report regarding the status of the project in view of the details as mentioned above within 30 days positively. The sub-committee submitted the report of site visit and thereafter, the case was taken up in 228th meeting of SEAC.

- The report mentioned that the Consultant (Perfact Group Enviro Solutions) conveyed through email dated 21.11.2021 that they are not the consultant of the project. Therefore, will not be able to accompany during the site visit.
- Also mentioned that present scope of work has been completed including expansion area and constructed apartments are functioned.
- The ToR under violation category with total plot area 14.149 acres was granted on 07.08.2018. But after that no response from the PP
- During the site visit, the representative of PP conveyed their willingness to apply to get the validity of ToR under violation category extended for further appraisal.

The discussion was held on the violation carried by PP, ToR approved under violation category on 07.08.2018, request of PP for extension of validity of ToR and after due deliberation, it is decided that same may be conveyed to SEIAA along with the

recommendations of SEAC vide earlier various MoM regarding violation and taking action under the provisions of the section 19 of the Environment (Protection) Act, 1986.

228.08 EC for Expansion of affordable group housing colony village Badshahpur, Sector 68, Gurugram, Haryana by M/s SaiAaina Farms Pvt. Ltd

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIS/56399/2019 dated 15.09.2020 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006. The TOR was granted on dated 22.07.2019. Then, the PP submitted the EIA/EMP report. Thereafter, the case was taken up in 203rd meeting of SEAC Haryana held on 16.10.2020 but the PP requested vide letter dated 15.10.2020 for the deferment of the case which was considered and acceded by the SEAC.

Then, the case was taken up in 205th meeting of SEAC Haryana held on 10.11.2020 but the PP requested vide letter dated 29.09.2020 for the deferment of the case which was considered and acceded by the SEAC

Thereafter, the case was taken up in 212th meeting of SEAC on 26.03.2021. The PP did not attend the meeting and the Discussion was held on the point no. 2(e) of MoEF &CC OM dated 18.11.2020 i.e.

“In case a Project Proponent or his consultant did not attend the meeting or does not reply to the queries raised for more than six month, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started”.

It was deliberated that in the above project received on dated 15.09.2020 and in spite of taking up in various meeting of SEAC no reply has been received even after lapse of more than six months and the committee unanimously decided to send the case to SEIAA and recommended that in accordance in the MoEF&CC OM Dated 18.11.2020, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started.

The recommendation of SEAC was considered in the 128th Meeting of SEIAA held on 26.05.2021 and after going through the communication from MOEF & CC, GOI OM dated 18.11.2020; so, it has been revealed that guidelines of EAC at Ministry Level. Hence, it is decided that the case be sent back to SEAC for getting the project inspected by their members and take a final view after that.

Thereafter, the case was taken up in 217th meeting of SEAC held on 20.07.2021. The discussion was held on the MoEF Notification 18.11.2020 and the decision of SEIAA in its meeting regarding the projects to be get inspected by the members of SEAC. As per the orders of SEIAA vide its 128th MOM dated 26.05.2021. A Committee was formed comprising of the following:-

1. Sh. V.K.Gupta , Chairman
2. Sh. Hitender Kumar, Member SEAC

The Committee shall visit the project site and submit the report regarding the status of the project in view of the details as mentioned above within 30 days positively.

The sub-committee submitted the report of site visit and thereafter, the case was taken up in 228th meeting of SEAC.

- During the site visit, it was observed that the project is under construction as per area details of EC already granted and the proposed area under expansion is vacant
- The PP further conveyed that they are withdrawing their application for EC for proposed expansion area
- The PP has given the withdrawal request in form of undertaking as well (copy placed on record) mentioned that they would like to withdraw the application in view of change in planning.

The discussion was held on the request for withdrawal and status of construction as submitted in the subcommittee report and decided to recommend to SEIAA for withdrawal of the case.

228.09 EC for Revision/Expansion of Residential Plotted Colony “Sushant City” at Village Rasoi, District Sonapat, Haryana by M/s Ansal Properties and Infrastructure Ltd,

The Project was submitted to the SEIAA, Haryana on 09.01.2015 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006. Thereafter, case was taken up in 174th meeting of SEAC Haryana held on 08.08.2018 in which observations were raised and informed to PP vide letter dated 20.08.2018. Thereafter, the term of committee expired and the project was transferred to MoEF&CC. The project was received back after reconstitution of new committee vide notification dated 30.01.2019.

Then, the case was taken up in 206th meeting of SEAC Haryana held on 27.11.2020 but the PP and the consultant requested in writing to defer the case. The SEAC deliberated that as the case is pending since long but on the request of PP the committee acceded the request and decided to defer the case for the last time.

The case was taken up in 211th meeting held on 26.02.2021. The PP attended the meeting and the Discussion was held on the point no. 2(e) of MoEF&CC OM dated 18.11.2020 i.e.

“In case a Project Proponent or his consultant did not attend the meeting or does not reply to the queries raised for more than six month, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started”.

It was deliberated that in the above project received on dated 06.11.2020 and in spite of taking up in various meeting of SEAC no reply has been received even after lapse of more than six months and the committee unanimously decided to send the case to SEIAA and recommended that in accordance in the MoEF&CC OM Dated 18.11.2020, the MS should write to the Regional Office of the Ministry to carry out a site inspection so as to check if construction/operation of the project has started.

The recommendation of SEAC was considered in the 128th Meeting of SEIAA held on 26.05.2021 and after going through the communication from MOEF & CC, GOI OM dated 18.11.2020; so, it has been revealed that guidelines of EAC at Ministry Level. Hence, it is

decided that the case be sent back to SEAC for getting the project inspected by their members and take a final view after that.

Thereafter, the case was taken up in 217th meeting of SEAC held on 20.07.2021. The discussion was held on the MoEF Notification 18.11.2020 and the decision of SEIAA in its meeting regarding the projects to be get inspected by the members of SEAC. As per the orders of SEIAA vide its 128th MOM dated 26.05.2021. A Committee was formed comprising of the following:-

1. Sh. V.K. Gupta , Chairman
2. Sh. Hitender Kumar, Member SEAC

The Committee shall visit the project site and submit the report regarding the status of the project in view of the details as mentioned above within 30 days positively. The sub-committee submitted the report of site visit and thereafter, the case was taken up in 228th meeting of SEAC.

- The report mentioned that the Consultant (Gaurang Environmental Solutions Pvt. Ltd.) conveyed through email dated 20.11.2021 that they are not the consultant of the project. Therefore, will not be able to accompany during the site visit.
- Also mentioned that during site visit, it was observed that PP has started the development works like laying of water supply, laying of sewer and construction of roads upto water bound macadam in the area applied under expansion category.
- The ToR were approved in 118th meeting of SEAC on 03.03.2015 and conveyed to PP vide letter dated 2052 dated 10.03.2015.
- Therefore the project of expansion of EC for the work cited in the subject falls under violation category.

The discussion was held on the violation carried by PP, ToR approved on 10.03.2015, after due deliberation, it is decided that the case may be forwarded to SEIAA as construction has been carried out without taking the prior environmental clearance and is a clear case of violation and recommended for following action:-

- i) The State Government/SPCB to take action against the project proponent under the provisions of the section 19 of the Environment (Protection) Act, 1986, and further no consent to operate or occupancy certificate to be issued till the project is granted EC.

228.10 EC for Expansion of Group Housing Project “Preston” at Village Shahpur Turk, Sector- 9 & 18, Sonipat, Haryana by M/s Parsvnath Developers Ltd

The recommendation of SEAC was considered in 126th meeting of SEIAA held on 11.12.2020; the Authority decided to agree with the recommendation of SEAC. Accordingly, a letter was written to Regional Office, MoEF& CC, GoI, Chandigarh to conduct site visit of the Project but no response has been received so far.

The matter was taken up in 127th meeting of SEIAA held on 17.03.2021; after deliberations the Authority decided that reminder letter should be written to Regional Office, MOEF & CC, GOI, Chandigarh by Member Secretary, SEIAA on behalf of Authority for expediting the Report.

The case was again considered in the 128th Meeting of SEIAA held on 26.05.2021 and after going through the communication from MOEF & CC, GOI OM dated 18.11.2020; so, it has been revealed that guidelines of EAC at Ministry Level. Hence, it is decided that the case be sent back to SEAC for getting the project inspected by their members and take a final view after that.

Thereafter, the case was taken up in 217th meeting of SEAC held on 20.07.2021. The discussion was held on the MoEF Notification 18.11.2020 and the decision of SEIAA in its meeting regarding the projects to be get inspected by the members of SEAC. As per the orders of SEIAA vide its 128th MOM dated 26.05.2021. A Committee was formed comprising of the following:-

1. Sh. V.K. Gupta , Member SEAC
2. Sh. Hitender Kumar, Member SEAC

The Committee shall visit the project site and submit the report regarding the status of the project in view of the details as mentioned above within 30 days positively. The sub-committee submitted the report of site visit and thereafter, the case was taken up in 228th meeting of SEAC.

- The report mentioned that the Consultant (Perfect Group Enviro Solutions) conveyed through email dated 20.11.2021 that they are not the consultant of the project. Therefore, will not be able to accompany during the site visit.
- Also mentioned that during site visit, it was observed that PP has constructed 3 towers at site partly and excavation for 2 tower has been made and work is lying abandoned since years.
- The limitation period of environment clearance has been expired. Similarly, the limitation period for ToR under expansion category has also been expired\
- Therefore PP has to seek fresh environment clearance including expansion as at present only minor part area (3 partly constructed tower) has been constructed against the built up area 2,03,903.71 sqm as per environment clearance already granted.

The discussion was held on earlier EC granted, area constructed, expired EC and it is decided after due deliberation that the case may be forwarded to SEIAA that the area constructed at the site is less than the area granted vide earlier EC and PP has to seek a fresh EC if to carried out further construction.

228.11 Extension and Amendment in EC of Residential Group Housing Colony at Village Nangal Khurd, Sector 19, District Sonipat, Haryana by M/S TDI infrastructure limited.

Project Proponent: Mr.Subodh Saxena

Consultant : Perfect Enviro

The case was considered in 206th & 207th meeting of SEAC held on 27.11.2020 & 17.12.2020 recommended to SEIAA for grant of Environment Clearance. Earlier, the EC was granted to the project vide letter No. 1547 dated 24.12.2013 for a Plot Area measuring 43857.73 sqm. The recommendation of SEAC was taken up in the 127th meeting of SEIAA held on 17.03.2021; the Authority observed & directed the Project Proponent to explain the following:

228th Video Conferencing (VC) Meeting of SEAC, Haryana, dated 03.12.2021 and 04.12.2021

- a) Total population is reducing from 4255 to 4239 by 16 in No. and Space for car parking is increasing from 1235 to 1442. While projecting the Incremental Pollution Load, PCU/Hris also undertaken in consideration meaning thereby that “Air Dispersion Modeling” submitted earlier would not stand true in present circumstances. “Line Source” emission is increasing;
- b) Decrease in No. of total units shown (853-841=12) is due to the decrease in Servant units (84- 66=18) other units are increasing from 653-658 & EWS 116-117.As in case of each Dwelling Unit, 5 persons per unit is considered while in case of servant quarters would be max.2;
- c) Population in dwelling units and EWS increasing by 25 and 5 in No. respectively. The decrease in population is shown by decreasing the No. of students (10) in school & 36 in servant quarters (Page No. C-8 &C-9);
- d) On Page No. C-10, PP has forgotten to show the necessary amendments proposed for Water Consumption e.g. Population taken 4013, students and visitors taken 168 and 42 while on previous page C-9/C-8 shows students 160 & visitors 40, only change made is water consumption@111LPCD;
- e) DG cooling 9 KLD, all water would not evaporate what about the residual water?
- f) Water body 5 KL, what are the dimensions & water would be required to replenish the quantity lost in evaporation that is approx.7 mm of the cross-section or exposed area of waterbody;
- g) On Page No. C-15 & C-16, No. of RWH has not been determined;
- h) Project is near completion, should verify the status of conditions of accorded “EC” being complied. Authority observed that there is definite increase in “Pollution Load”. Authority directed “Project Proponent” to furnish the relevant environmental studies to determine the “Impact on Environment” with the said “Amendments”.

After detailed deliberations; the Authority decided to refer back the case to SEAC and asked SEAC to seek reply of above asked observations along with the studies needed to determine the “Incremental Pollution Load” from the project proponent. The same should be duly recommended and appraised to SEIAA.

The point wise reply was submitted to SEAC, Haryana on 09.04.2021. Thereafter, the case was again appraised in the 213th SEAC meeting dated 20.04.2021.for re consideration. The Project Proponent and the accredited Consultant made a detailed presentation on the observation of SEIAA on the project and mentioned that:

- a) Total population is reducing from 4255 to 4239 by 16 in No. and Space for car parking is increasing from 1235 to 1442. While projecting the Incremental Pollution Load, PCU/Hr is also undertaken in consideration meaning thereby that “Air Dispersion Modeling” submitted earlier would not stand true in present circumstances. “Line Source” emission is increasing;- The detail of the population calculation and parking is annexed as Annexure II in the reply and the Air dispersion modeling report is annexed as Annexure III.
- b) Decrease in No. of total units shown (853-841=12) is due to the decrease in Servant units (84- 66=18) other units are increasing from 653-658 & EWS 116-117.As in case of each Dwelling Unit, 5 persons per unit is considered while in case of servant quarters would be max. 2;-The details of the population is annexed as Annexure II in the reply
- c) Population in dwelling units & EWS increasing by 25 & 5 in No. respectively. The decrease in population is shown by decreasing the No. of students (10) in school & 36 in servant quarters (Page No. C-8 & C-9);- As per Environmental Clearance granted : No of DU was 653 , hence population was considered @5person per unit i.e. 3265 no and EWS units was 116 , hence population was considered @5 person per unit i.e.580 no

As per Amendment proposed: No of Dwelling units are 658 considering @5 person per unit population will be 3290 and EWS units are 117 , hence population considering population

@5 person per unit will be 585 no. Hence there will be difference of 25 no of person in Dwelling Units and 5 no in EWS units. No of Students are decreasing because the area of the schools in revised sanction is decreasing from 840.925 sqm to 800.62 sqm Hence slight decrease in population by 10 no.

- d) On Page No. C-10, PP has forgotten to show the necessary amendments proposed for Water Consumption e.g. Population taken 4013, students & visitors taken 168 & 42 while on previous page C-9/C-8 shows students 160 & visitors 40, only change made is water consumption @111LPCD;- The revised water management & balance is annexed as Annexure II in the reply
- e) DG cooling 9 KLD, all water would not evaporate what about the residual water?- DG cooling water will be 9 KLD app 1 KLD residual water will be generated. That will be evaporated in a Multi Effect evaporator and salt will be collected in HDPE bags and then it will be sent to TSDF site for final disposal. Revised water Balance Diagram is annexed as Annexure II of the reply.
- f) Water body 5 KL, what are the dimensions & water would be required to replenish the quantity lost in evaporation that is approx. 7 mm of the cross-section or exposed area of water body;-Dimension of water body will be 2.0 m x 2.5 m X1.0 m; Surface area of water Body is 5.0 m²; Water loss daily from water body =0.007 x 5= 0.035 KLD (35 liter)
- g) On Page No. C-15 & C-16, No. of RWH has not been determined;-Six no rain water harvesting pits will be provided. Detailed rainwater harvesting calculation is annexed as Annexure -V of the reply
- h) Project is near completion, should verify the status of conditions of accorded "EC" being complied.-All the conditions given in the EC are complied with, undertaking in this regard is annexed as VI.

Authority observed that there is a definite increase in "Pollution Load". Authority directed "Project Proponent" to furnish the relevant environmental studies to determine the "Impact on Environment" with the said "Amendments".-**There is a slight increase in parking no. Hence Air dispersion modeling has been carried out and predicted incremental load along with the baseline quality is enclosed as Annexure III (placed on record)**

The committee deliberated the reply of observation and again decided by majority to recommend the extension and amendments in the earlier EC issued vide letter no.1547 on dated 24.12.2013 to SEIAA with the additional stipulations as recommended vide MoM of 207thminutes of SEAC and other conditions will remain the same as per earlier Environment Clearance no. 1547 dated 24.12.2013.

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in "Pollution Load" under the "Expansion" category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or

not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

Then, the case was taken up in 228th meeting of SEAC held on 03.12.2021.

The PP submitted the brief note duly signed by PP and consultant

- *The proposed project is “Extension and Amendment in Environmental Clearance of Residential Group Housing Colony” at village Nangal Khurd, sector-19, District Sonapat, Haryana- 131001 being developed by M/s TDI Infrastructure Ltd.*
- *The land has been allocated by Town & Country Planning, Haryana with License No-70 of 2012 dated 06.07.2012, of Area 10.8375 acres The license is granted in the name of M/s TDI Infrastructure Ltd.*
- *The project has already been granted Environmental Clearance from SEIAA, F. No. SEIAA/HR/2013/1547 dated 24.12.2013 for plot area of 43,857.73 m² (10.8375 acre) and Total built-up area of 88,942.33 m² to M/s TDI Infrastructure Ltd.*
- *Due to the poor market scenario the project could not be completed in stipulated time. Situation kept on worsening because of covid-19, hoping to recover as and when covid clears out.*
- *The construction has not been completed as per the Environment Clearance granted.hence Extension is requested.*
- *Due to sanctioning of the revised building plan, there will be a decrease from 88,942.33 m² to 88,060.39 m² on the same plot area.*
- *The total estimated cost of the project of Rs. 100 Crores has now been revised to Rs. 277.83 crores.*
- *The application for grant of Extension and Amendment in Environmental Clearance was uploaded online on 02.11.2020.*
- *The case was appraised in the 207th SEAC, Haryana Meeting dated 17.12.2020. It was recommended for Environmental Clearance by SEAC. Thereafter, the case was appraised in 127th SEIAA Haryana meeting dated 17.03.2021. Few queries & observations were raised by SEIAA & it has referred back the project to SEAC.*
- *The point wise reply was submitted to SEAC, Haryana on 09.04.2021. Thereafter, the case was again appraised in the 213th meeting dated 20.04.2021 and recommended to SEIAA again with additional stipulated conditions.*
- *The recommendation of SEAC was considered in the 128th meeting of SEIAA held on 26.05.2021 and authorities decided to defer this case for the decision after obtaining clarification from MOEF & GC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.*
- *In the 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in “Pollution Load” under the “Expansion” category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.*
- *That there is no increase in pollution load from the Environmental Clearance granted on 24.12.2013 as our built-up area is decreasing from 88942.33 m² to 88060 m². Hence we have applied for an amendment in EC. The comparative details of Population & pollution load as per EC and Amendment is given below.*

<i>Particulars</i>	<i>Unit</i>	<i>As per EC granted 24.12.2013</i>	<i>As per amendment</i>	<i>Impact</i>
<i>Total Power Load</i>	<i>kVA</i>	<i>8740</i>	<i>8740</i>	<i>No change</i>
<i>No. of DG sets</i>	<i>kVA</i>	<i>1 x 1000 kVA, 1 x 630 kVA</i>	<i>1 x 1000 kVA, 1 x 630 kVA</i>	<i>No change</i>
<i>No. of Rain harvesting pits</i>	<i>-</i>	<i>6</i>	<i>6</i>	<i>No change</i>

<i>Total Water Requirement</i>	<i>KLD</i>	<i>527</i>	<i>527</i>	<i>No change</i>
<i>Total fresh water</i>	<i>KLD</i>	<i>318</i>	<i>318</i>	<i>No change</i>
<i>Wastewater Generation</i>	<i>KLD</i>	<i>391</i>	<i>391</i>	<i>No change</i>
<i>Total treated water</i>	<i>KLD</i>	<i>313</i>	<i>351</i>	<i>Increase</i>
<i>STP Capacity</i>	<i>KLD</i>	<i>510</i>	<i>510</i>	<i>No change</i>
<i>Total solid waste generation</i>	<i>kg/day</i>	<i>2060</i>	<i>1880</i>	<i>Decrease</i>

Population details:

Particular	Unit	As per EC granted 24.12.2013	As per amendment	Impact
<i>Dwelling Unit</i>	<i>no.</i>	<i>3265</i>	<i>3290</i>	<i>Increase</i>
<i>EWS</i>	<i>no.</i>	<i>580</i>	<i>585</i>	<i>Increase</i>
<i>servant quarter</i>	<i>no.</i>	<i>168</i>	<i>132</i>	<i>Decrease</i>
<i>Total residents</i>	<i>no.</i>	<i>4013</i>	<i>4007</i>	<i>Decrease</i>
<i>Staff</i>	<i>no.</i>	<i>6</i>	<i>6</i>	<i>No change</i>
<i>Visitors</i>	<i>no.</i>	<i>26</i>	<i>26</i>	<i>No change</i>
<i>commercial</i>	<i>1 person/6 sqm</i>	<i>32</i>	<i>32</i>	<i>No change</i>
<i>student</i>	<i>no.</i>	<i>168</i>	<i>160</i>	<i>Decrease</i>
<i>Visitors</i>	<i>no.</i>	<i>42</i>	<i>40</i>	<i>Decrease</i>
<i>School</i>	<i>1 person/4 sqm</i>	<i>210</i>	<i>200</i>	<i>Decrease</i>
<i>TOTAL POPULATION</i>		<i>4255</i>	<i>4239</i>	<i>Decrease</i>

The discussion was held on brief note submitted by PP and the following observations were raised as given below:-

- PP shall submit the affidavit that there is no change in pollution load and if there is having any deviation occurs it will be the solely responsibility of the PP.
- The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
- The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (____PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the “Incremental Pollution Load” and those are true to best of our knowledge.
- The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP

- The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.
- That there would be no decrease in Green area as stated in Accorded EC
- That before coming to operation, Project Proponent will ensure that all permissions & connections pertaining to Electricity & Sewage discharge are in place
- The PP shall submit the DD in favour of MS SEIAA for the scrutiny fee

The committee decided that the PP shall submit the above said observations in 15 days and their case will be taken up accordingly after the receipt of reply.

228.12 Amendment in EC of Non-Agro Warehouse project on land measuring 76.8437 acres (3,10,975.59 m²) located at Village Rahaka and Rani kaSinghola , Tehsil Sohna, District Gurugram, Haryana by M/s Emporium Industrial Parks (India) Private Limited

**Project Proponent: Not Present
Consultant : Not Present**

The case was considered in 209th meeting of SEAC held on 30.01.2021 and recommended to SEIAA for grant of Amendment in Environment Clearance.

The recommendation of SEAC was considered in the 127th meeting of SEIAA held on 17.03.2021; the authority observed & directed the Project Proponent to explain the following:

- a) The proposed project is of “Ware-House”, having “Air Emission” in form of emission from DG sets (Point Source), vehicular emission (line Source) & generation of fugitive particles due to vehicular activities. In the present case both are increasing, Power Load is increasing from 7,500 kVA - 10,860 kVA and capacity of DG sets increasing from 5000 KVA – 7140 KVA. Operating the unit for double shift might increase in- bound & out-bound vehicles. Therefore, previously submitted affidavit regarding the studies undertaken for “Air-dispersion modeling” does not hold good”.
- b) As per the slide 15 of presentation, PP has declared that there is definite increase in population, water demand, Power demand.

Authority observed that there is definite increase in “Pollution Load”. Authority directed “Project Proponent” to furnish the relevant environmental studies to determine the “Impact on Environment” with the said “Amendments”.

After detailed deliberations; the Authority decided to refer back the case to SEAC and asked SEAC to seek reply of above asked observations along with the studies needed to determine the “Incremental Pollution Load” from the project proponent. The same should be duly recommended & appraised to SEIAA.

Thereafter, the case was taken up in 213th meeting of SEAC held on 20.04.2021. The Project Proponent and the accredited Consultant made a detailed presentation on the observation of SEIAA on the project and informed that:

- The Proposed project is an Amendment in EC of Non-Agro Warehouse project on land measuring 76.8437 acres (3,10,975.59 m²) located at Village Rahaka and Rani kaSinghola, Tehsil Sohna, District Gurugram, Haryana by M/s Emporium Industrial Parks (India) Private Limited. Earlier EC was

granted to the project vide letter no. 369 dated 27.08.2020 for a plot area measuring 76.84375 acres (3,10,975.59 m²) and Built-up Area 1,78,316.95 m².

- Now, we have increased number of working shifts to 2 from 1. Due to which Population, water and waste water requirement, RHW, Solid waste, Electrical load and Power Backup change has been increased.
- In this connection, we would like to inform you that plot area and the built-up area remains the same i.e. 76.84375 acres (3,10,975.59 m²) and Built-up Area 1,78,316.95 m².

In this regard, we would like to inform you that as per EIA Notification 2006 and its amendment thereof, the criteria for expansion of the project for building and construction 8(a) and Township & Area Development Project 8(b) is Plot Area and Built-up area whereas for expansion of Industries and other category projects the criteria is based on their production and capacity of the unit. Therefore, we are seeking an amendment in the earlier granted EC. The PP has again submitted the incremental load and its mitigation. Below are the details of change of parameters:-

- Air Quality Dispersion Modeling has been carried out by following the CPCB guidelines. Meteorological input data: Data generated at the project site (wind speed, wind direction, ambient temperature) is used for modeling. Mixing height data has been obtained from CPCB publication. Stability class data has been computed during the wind speed and cloud cover. The incremental GLC (ground level concentration) values are estimated for 24-hour average period. The highest ground level concentration (GLC) is superimposed over the observed ambient values of PM₁₀, PM_{2.5}, SO₂ and NO_x and the resultant scenario is shown in Table:-

Parameter	GLC as per Earlier EC	After amendment
CO	1.347	1.53
NO _x	3.595	5.65
SO _x	0.448	0.761
PM _{2.5}	0.060	0.12
PM ₁₀	0.1322	0.28

PP has also proposed following mitigation measures to control Air Pollution during operation phase:-

- Dense plantation will be provided which will attenuate particulate matter by 25%.
- Low sulphur diesel will be used for DG sets.
- Stack height will be provided as per CPCB norms.
- Ensure smooth traffic circulation and restriction on vehicular speed within the premises.
- Maintenance will be done on regular basis.
- Wet Scrubber will be installed for NO_x and SO_x.
- All the DG set will be of silent generator type.

The committee deliberated the reply of observation and again decided by majority to recommend the amendments in the earlier EC issued vide letter no.369 on dated 27.08.2020 to SEIAA with the additional stipulations as recommended vide MOM of 209th minutes of

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SEAC and other conditions will remain the same as per earlier Environment Clearance no. 369 dated 27.08.2020.

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in “Pollution Load” under the “Expansion” category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

The case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP requested vide letter dated 30.11.2021 to withdraw/delist their earlier EC application vide proposal no. SIA/HR/MIS/191786/2021 and the committee after deliberation decided to recommend the case to SEIAA for withdrawal of their application in view of the request of PP.

228.13 Modification/Amendment in EC for construction of Commercial Complex at Village Hayatpur, Sector-84, Gurugram, Haryana by M/s Bajaj Motors Limited

Project Proponent: Mr. Arvinder Dhingra
Consultant : Vardan Enviro

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIS/204543/2021 dated 19.03.2021 for obtaining amendment in Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006. The Project has already obtained Environment clearance issued vide letter No. SEIAA/HR/2017/857 dated 18.12.2017.

The case was considered in 213th meeting of SEAC held on 19.04.2021 and recommended to SEIAA for grant of Amendment in the earlier EC of Commercial Complex.

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in "Pollution Load" under the "Expansion" category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

The case was taken up taken up in 228 minutes of meeting held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavit.

The PP submitted the duly signed note by PP and consultant as below:-

- *We have obtained Environment Clearance on dated: 18.12.2017 through vide letter no. SEIAA/HR/2017/857 for Built-up area of 86,655.976 sqm and Plot area of 5.91875. acres.*
- *We have obtained License No.34 of 2014 from Town and Country Planning Department of Chandigarh.*
- *As per MOEF notification 2006 the Building/construction 8(a) projects falls*
 - *under preview of Environment clearance as per below condition-*
 - *If the built-up area is more than 20,000 sqmtr and less than 1,50,000sqmtr*
- *As per our understanding and above cited MOEF, 2006 notification criteria the deciding parameter is only total built up area.*
- *We are not crossing the built up and plot area mentioned in the EC letter issued to us. Thus there is no expansion in the total built up area and plot area.*
- *Since there is no increase in the total built up area and plot area after the modification/amendment proposed in the project our case may be considered and appraised under modification/amendment category.*
- *Accordingly we have applied under modification/amendment category and SEIAA accepted the same and forward the case to SEAC for appraisal.*
- *Thus it is our request to SEAC that EC may be granted under amendment/modification category.*

After due deliberation the committee considered the duly signed brief note submitted by PP & consultant and decided to forward the case to SEIAA as committee has already submitted with full facts vide SEAC MOM of 213th meeting.

228.14 Amendment of EC of Proposed Commercial Complex Project on land area measuring 4.843 at Sector 66, Gurugram, Haryana by M/s Gentle Realtors Pvt Ltd

Project Proponent :Mr. Amar Nath Icchapujani
Consultant : Ind Tech House Consult

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/200374/2021 dated 05.03.2021 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006. The Project has already been granted Environment Clearance vide letter No. SEIAA/HR/2018/247 dated 04.04.2018.

The case was considered in 212th meeting of SEAC held on 27.03.2021 and recommended to SEIAA for grant of Amendment in earlier EC.

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in "Pollution Load" under the "Expansion" category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

The case was taken up taken up in 228 minutes of meeting held on 03.12.2021. The PP presented the case before the committee.

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavit.

The PP submitted the reply of observations raised in 129 meeting of SEAC held on 14.10.2021.

S. No.	Query	Reply
1	Ground Coverage is increasing by 95.922 sq. mt., while there is no increase in plot area; how will PP increase the "Ground coverage"? PP is not allowed to reduce the Green Area mentioned in earlier granted "EC".	Earlier the EC was issued on Conceptual plan. When the plan gets approved, there is minor change in ground coverage i.e. 95.922 sqm only. However, we have sufficient space for development of Green area. There will be no change in green area instead of increase of ground coverage by 95.922 sqm. The green area will remain same as per accorded EC.
2	Waste water generation is increasing by 98 KLD & proposed increase in capacity of STP is 115 KLD, means pollution load is increasing.	Total waste water generated from our project will be 319 KLD and this waste water will be treated in 380 KLD on site STP. Entire treated water will be reused in our project site only. Zero liquid discharge

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		(ZLD) will be maintained. There will be no treated / untreated water discharged from our project site to land environment. The 98 KLD additional waste water will also be treated in the onsite STP and will be reused in the project site only.
3	Solid waste & Biodegradable waste is too increasing.	Yes, solid waste and Biodegradable waste are slightly on higher side and Entire Biodegradable waste shall be treated in onsite OWC. All non –Biodegradable waste will be disposed as per MSW rule 2016.
4	Certified Compliance Report as per notification to be submitted.	As per MoEF&CC circular dated 30 th May 2012 and 7 th September 2017 certified complied report is required for expansion project. Our project does not fall under expansion category as built-up area is reducing by 319.782 sqm.
5	Reference made of the EC granted in 2018, is for expansion, has it been verified that no expansion or construction carried out as proposed in EC for expansion project. There is definite increase in "Pollution load" the case should be submitted under "Modernization & Expansion" and flesh environmental studies & management plan to be submitted. appraised & recommended to SEIAA.	As per our understanding the governing parameter for 8(a) cases is built up area, not increase in pollution load (increase in pollution load is criteria for industrial cases) so "Modernization & Expansion" is not applicable for present case.
6	Even the core principal of notification March, 2021 is " no increase in pollution load " Whether the built-up area is increasing or not, any increase in Pollution Load needs to carry out fresh environmental studies & management plan.	Our project falls under 8(a) B2 category project for which Environment impact assessment study is not required. However, we have submitted baseline study for the period September 2020.
7	The construction/real estate development projects discharging more than 100 KLD of Liquid waste are being considered under "Orange Category" of Industry. And cities on the basis of "Pollution Index" has been categorized as Critically/Severely Polluted Areas. Gurugram under "Critically Polluted area" that makes the environment studies the more important, if there is any increase in Pollution Load.	As per OM dated 13 th March 2020, all the project under 8(a) & 8(b) shall allowed to be established in CPA/SPA Zone, however additional conditions will be imposed in the EC letter and it is pertinent to mention that our project is out of critically polluted area. Total waste water generated from our project will be 319 KLD and this waste water will be treated in 380 KLD on site STP. Entire treated water will be reused in our project site only. There will be no treated / untreated water discharged from our project site.

After due deliberation the committee considered the reply submitted by PP and decided to forward the case to SEIAA as committee has already submitted with full facts vide SEAC MOM of 212th meeting.

228.15

EC for the Residential cum Commercial Complex located in Sector-79, District-Faridabad, Haryana by M/s Robust Buildwell Pvt. Ltd.

Project Proponent: Mr. Parveen kamboj

Consultant : Grass Root Technology Pvt. Ltd.

The Project was submitted online to SEIAA on 23.04.2018 vide file no. SEIAA/HR/VIO/18/22 with reference to the Notification No.S.O.804(E), dated the 14th March, 2017 and subsequent Notification No. S.O.1030 (E) dated 08th March, 2018, issued by the Ministry of Environment, Forest and Climate Change for appraisal of projects for grant of Terms of Reference and Environmental Clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance or changed the product mix without obtaining prior environmental clearance as mandated under the Environment Impact Assessment Notification, 2006 [S.O.1533 (E), dated the 14th September, 2006;

The Ministry of Environment, Forest and Climate Change in the Notification dated 08.03.2018 inter alia, directed vide sub-paragraph (2) of paragraph 13, that in case the projects or activities requiring prior environmental clearance under Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority, are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted Environmental Clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) section 3 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the State Expert Appraisal Committee and Environmental Clearance will be granted at the State level by State Environment Impact Assessment Authority constituted under sub-section (3) section 3 of the Environment (Protection) Act, 1986. The project Proponent submitted the hard copy to the SEIAA, Haryana on 17.05.2019 along with Form-1, Form-1A and Conceptual Plan

Thereafter the proposal was considered by the State Expert Appraisal Committee, Haryana in its 180th meeting held on 30.05.2019 for approval of Terms of Reference under violation Notification dated 14.03.2017 and 08.03.2018 respectively as the Unit applied for EC during window period under the Violation Notification.

The Committee was informed by PP that the project is a Expansion of residential cum Commercial complex located in sector-79, District Faridabad, Haryana by M/S Robust Buildwell Pvt. Ltd. Further, in the meeting it was revealed that the Project was granted Environment Clearance vide letter no. SEIAA/HR/2016/904 dated 26.10.2016 for residential cum commercial complex sec-79 Faridabad for built up area of 95202.63sqm on the plot area of 43133.351 sqm (10.65acres).

The PP submitted that they had constructed additional area as given below, in violation of EIA Notification, 2006;

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1. The total built-up area constructed at site in Phase-2 : 12030.49 Sq.mts
2. Any other structure (raft, water tanks, etc.) constructed at site : 15910.49 Sq.mts
3. The excavated area at site : 3461.72 Sq.mts

The project proponent placed on record a letter dated 30.05.2019 requesting for using a Baseline data generated for December 2018 and committee accepted the request of PP for the preparation of EIA/EMP report based on the Data for december2018. After detailed deliberations, the committee decided that the following recommendation shall be forwarded to SEIAA for approval:

1. The State Government/SPCB to take action against the project proponent under the provisions of the section 19 of the Environment (Protection) Act, 1986, and further no Consent to Operate or Occupancy Certificate to be issued till the project is granted EC.
2. Public hearing to be conducted for the project and the issues raised by the public should be addressed in the Environmental Management Plan.
3. 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 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.
4. The PP should submit compliance report of existing building.
5. Committee also decided to recommend to SEIAA for Grant of Terms of Reference along with public consultation and additional terms of reference for undertaking EIA and preparation of Environment Management Plan (EMP).

The PP submitted the EIA/EMP report and thereafter, the case was taken up in 210th meeting of SEAC Haryana held on 18.02.2021. The PP presented the case before the committee.

- M/s Robust Buildwell Pvt. Ltd. Is the developer of Residential cum Commercial Complex which is located at Sector 79, Omaxe City Centre, District Faridabad, Haryana.
- The project was earlier granted Environment Clearance by SEIAA, Haryana vide letter no. SEIAA/HR/2016/904 dated 26.10.2016 for plot area = 43,133.351 sqm and Build-up area = 95,202.63 sqm.
- The Project Proponent has been granted License No. 51 of 2017 dated 22/07/2017 for Plot Area = 46,513.55 sqm (11.49375 acre) and Additional License No. 52 of 2017 dated 22/07/2017 for Plot Area = 582.74 sqm (0.144 acre). In view of the above-said new and additional licenses, the plot area has increased from 43,133.351 sqm to 90,229.64 sqm.
- The PP submitted the prosecution details vide the case institution no. 02/21 dated 27.01.2021 as proof of legal action under violation. The PP will submit the copy of details at the time of SEIAA meeting.
- The PP not submitted the compliance report and informed that the same at the time of meeting of SEIAA.
- The project Proponent has constructed 1,26,605.33sqm built-up area at site against the permitted 95,202.63 sqm built-up area as per earlier Environment Clearance letter no. SEIAA/HR/2016/904 dated 26.10.2016.

- The additional built-up area Constructed at site i.e. 31,403 sqm, without prior Environment Clearance attracts MoEF&CC Violation Notification dated 14th March, 17. Break-up of the additional built-up area (area under violation) is as:
 - Built-up area constructed at site under Phase-2 = 12,030.49 sqm
 - Other structures (raft, water tanks, etc.) constructed at site under phase-2 =15,910.49sqm
 - Excavated area at site under Phase-2 = 3461.72 sqm
- Total additional built-up area constructed at site which falls under violation = 31.403 sqm
- Project has been granted violation ToR by SEIAA, Haryana vide letter no. SEIAA/HE/2019/337 dated 11.09.2019.
- No Objection Certificate for Building Height from Airport Authority of India vide letter no. AAI/RHQ/NR/ATM/NOC/2014/475/9085-88 dated 18.12.2014.
- NOC for non-involvement of Forest land from Deputy Conservator of Forest, Faridabad vide letter no. 243 dated 15.05.2015.
- Building Plans were approved by Directorate of Town & Country Planning, Haryana vide Memo no: ZP-842/AD(NK)/2018/430 dated 07.01.2019.

Total budgetary provision with respect to Remediation Plan and Natural & Community Resource Augmentation plan is INR 1.8 Cr. Therefore, project proponent shall be required to submit a bank guarantee of an amount of INR 1.8 Cr. towards Remediation plan and Natural and Community Resource Augmentation plan with the Haryana State Public Control Board prior to the grant of EC.

1. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority/SEIAA.
2. The PP shall submit the proof of credible action taken by the state government/Haryana State Pollution Control Board under the provisions of the Section 19 of the Environment Protection Act 1986 to the MoEF& CC
3. Approval/permission of the CGWA/SGWA shall be obtained, if applicable before drawing ground water for the project activities. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
4. The PP should submit the 6 monthly action taken report on the compliance of environmental conditions to the Regional Officer, MoEF&CC, Haryana State Pollution Control Board and Chairman, SEIAA.
5. The PP shall submit the details of prosecution filed in Special Environment court Faridabad against the project before the meeting of SEIAA as the PP submitted only copy of letter written by RO, Dharuhera to MS, HSPCB.
6. The PP shall also submit the details of status of development of Green plan, species planted, survival status along with existing trees species wise and also maintain the record date wise along with digital mapping.
7. The PP shall also maintain the record of trees/plants to be planted as per the Remediation plan and Natural and Community Resource Augmentation plan along with digital mapping, latitude, longitude details.
8. The PP shall take the Environment clearance for the expansion part of the project as the case is recommended for EC and regularization of the violation part only.
9. The PP shall submit the damage assessment report before the meeting of SEIAA.

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the following queries were raised:

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- Compliance report of existing building & verification of the quantum of area constructed and being in violation
- Quantum of violation declared by PP should be verified. PP is supposed to submit “Damage Assessment Report” to SEIAA
- Has PP created 10 RWH pits in the extension part? Verify
- Waste water generation is 297 KLD, capacity of STP should not be less than 1.25 times of waste water being generated
- 05 no. of DG sets (1x 500 kVA, 2 x 750 kVA, 2 x 1500 kVA) installed status of APCM & type of fuel being used
- Remediation plans should be verifiable and should be carried out to sustain & improve the environment. Activities being carried out inside or around the project are as such mandatory & part of conditions of granted “EC” & “CTO”. E.g. Acoustic Enclosures for DG sets
- Table-8, some part of activities in 1 seems to be repetitive in 2
- The PP should submit the 6 monthly action taken report on the compliance of environmental conditions to the Regional Officer, MoEF&CC, Haryana State Pollution Control Board and Chairman, SEIAA.
- PP to submit the details of prosecution filed in Special Environment court Faridabad against the project before the meeting of SEIAA as the PP submitted only copy of letter written by RO, Dharuhera to MS, HSPCB

After detailed deliberations; the Authority decided to defer this case to the next meeting.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in “Pollution Load” under the “Expansion” category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

The case was taken up taken up in 228 minutes of meeting held on 03.12.2021. The PP submitted the case before the committee

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavit

The discussion was held on reply of observations raised in 129th meeting of SEIAA and PP submitted the reply of observations of 129th meeting of SEIAA as following:-

S. No.	Queries	Reply
1.	Whether the case has been applied during the stipulated time period for applying	Yes, the EC application was submitted to SEIAA, Haryana dated 13.04.2018
2.	The cases under the “Violation category”	under violation category notification

	<p>as per Violation Notification dated 14.03.2017 & 08.03.2018 The proof of credible action taken under the EPA, 1986</p>	<p>dated 14.03.2017 & 08.03.2018. The screen shots showing the submission details are enclosed as Annexure-I(Placed on record) The proof of Credible action is attached as Annexure-II(Placed on record)</p>
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After due deliberation the committee considered the reply submitted by PP and decided to forward the case to SEIAA as committee has already submitted with full facts vide SEAC MOM of 210th meeting.

228.16 Amendment in EC for “Commercial cum Office Complex” at Sector 42, Golf Course Road, Gurugram, Haryana by M/s Munjal Hospitality Pvt. Ltd

Project Proponent: Ms. Sonia Kalia
Consultant : Perfect Enviro

The Project was submitted to the SEIAA, Haryana vide Online Proposal No. SIA/HR/NCP/187227/2020 on 18.12.2020 for amendment in earlier Environment Clearance granted by MoEF& CC vide File no. 21-120/2018-IA-III dated 20.8.2020.

The case was considered in **211th meeting of SEAC** held on 26.02.2021 and recommended to SEIAA for **grant of amendment in earlier Environment Clearance.**

The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.

Authority in its 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in “Pollution Load” under the “Expansion” category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.

Then, the case was taken up in 228th meeting of SEAC held on 03.12.2021. The PP presented the case before the committee

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavit

The PP submitted the brief note duly signed by PP and consultant as below:-

- *The proposed project is a development of a **Commercial Cum Office complex** and located at **Sector-42, Golf Course Road, Chakkarpur Village, Gurugram District, Haryana – 122 011** developed by **M/s Munjal Hospitality Pvt. Ltd***
- *This project has been accorded with Environmental Clearance F. No. 21-120/2018-IA-III dated 20.08.2020 in the name of **M/s Munjal Hospitality Pvt. Ltd.***

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by MOEF&CC, Total Plot Area 15959.56 m² & Total Built Up area 98935.114 m²

- Now due to changes in planning and building plan sanction, the total plot area of the project will remain the same i.e. 15,959.56 m² but total built up area of the project will decrease from 98,935.114 m² to 93444.048 m²
- As the built-up area is still less than 1,50,000 m², hence the project falls under Category B, Schedule 8 (a) of EIA notification 2006, & its amendments.
- Cost of the Project after amendment will be **Rs. 368.216 Crores**
- The activities in the proposed complex will be Retails, offices, shops, restaurant, food court, etc.
- The case was listed for appraisal in 211th SEAC meeting of Haryana dated 26.02.2021 and reply was submitted on 26.02.2021.
- The case was recommended for the amendments in the earlier EC issued vide letter no. File no. 21- 120/2018-IA-III dated 20.8.2020 to SEIAA with additional stipulations and other conditions will remain the same as per earlier Environment clearance dated 20.08.2020.
- The recommendation of SEAC was considered in 128th meeting of SEIAA held on 26.05.2021 and the Authority decided to defer this case for the decision after obtaining clarification from MOEF & CC, GOI regarding amendment in Environment Clearance under 8(a) & 8(b) of EIA Notification dated 14.09.2006.
- The case was again taken up in 129th SEIAA meeting held 14.10.2021, where the Authority decided to refer back all Amendment cases to SEAC.
- In the 129th meeting held on 14.10.2021 decided to refer back all these cases to SEAC to take all such cases where there is increase in "Pollution Load" under the "Expansion" category and should be thoroughly studied to ascertain whether the project can be allowed for further expansion or not; considering the incremental pollution load, vehicular activities, increase in power demand or the available public utilities.
- Since in the present case the built up area is decreasing from 98,935.114 m² to 93444.048 m² and a revised building plan was sanctioned to us. The project is at initial stages of construction and no machinery has been installed at the site. Therefore there will be no increase in pollution load from the said project. Hence we have applied for amendment in EC along with form IV with respect to the revised building plans.

After due deliberation the committee considered the duly signed brief note submitted by PP & consultant and decided to forward the case to SEIAA as committee has already submitted with full facts vide SEAC MOM of 211th meeting.

228.17 EC for Affordable Group Housing Colony at Revenue Estate of Village Palwali, Sector 88, Faridabad, Haryana by M/s Emerald MDPS LLP

Project Proponent: Mr. Bharat Pal

Consultant : Alinka Solutions Pvt. Ltd.

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/233249/2021 dated 22.11.2021 for obtaining Environmental Clearance as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8 (a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 01.12.2021. The PP presented the case before the committee. The PP presented the case before the committee

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA

228th Video Conferencing (VC) Meeting of SEAC, Haryana, dated 03.12.2021 and 04.12.2021

The discussion was held on migration of 5.0062 acres from 30 acres, EC to 30 acres on dated 04.05.2009, not withdrawal of EC Dated 04.05.2009, present case part of 30 acres EC, CTE/CTO/OC, Mosaic Plan, status of construction etc. and certain observations were raised as following:-

1. The PP shall submit the duly signed self- contained note by PP and consultant
2. The PP shall submit the CTE/CTO/OC
3. The PP shall submit the Mosaic plan
4. The PP shall submit the status of construction
5. The PP shall submit the affidavit that no violation has been carried out at the project site and no construction has been carried out after the expiry of the validity of EC
6. The PP shall submit the details of approved zoning plan whether zoning for 12 acres is separate from 30 acres or has combined zoning plan.
7. The PP shall submit the reason for consideration of present case when earlier EC issued on 04.05.2009 still exists.

The PP shall submit the required information as detailed above within 30 days and it was also made clear to the PP that the project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time the case shall be recommended for rejection/ filing.

228.18 EC for Project Expansion of Commercial Office Complex “Signature Tower III” at Sector 15 Part-II, Gurugram by M/s Unitech Limited.

Project Proponent: Mr.Tarun Bansal

Consultant : Perfect Enviro

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/226633/2021 dated 22.11.2021 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 01.12.2021. The PP presented the case before the committee. The PP presented the case before the committee.

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA

The Discussion was held on green plan, population details, water calculations, micromat data, analysis report, STP, ECBC, miyawaki forest , R &R report ,CER etc. and certain observations were raised as following:-

1. The PP shall submit the details of prosecution filed by HSPCB in Environment Court, Faridabad.
2. The PP shall submit the Green Plan along with progress of green plan in the earlier EC
3. The PP shall submit the reduced water demand for fresh water from cooling tower through the treated water
4. The PP shall submit the revised population details
5. The PP shall submit the revised water calculations
6. The PP shall certify the location of 3 STP along with their location and dimension of each component
7. The PP shall submit the wildlife activity plan at the distance of sultanpur bird sanctuary 9.70km from the project site
8. The PP shall submit the water air soil noise analysis report

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9. The PP shall submit the micromat data, isoplath viz a viz wind rose diagram
10. The PP shall submit the ECBC compliance
11. The PP shall submit the location of RWH pits in the location site
12. The PP shall carry out the comparison of data provided for air pm 2.5 data
13. The PP shall submit the surface water analysis report
14. The PP shall submit the adequacy certification or justification for 450KLD STP
15. The PP shall submit the water balance separately for 3 seasons
16. The PP shall submit the details of fresh water used in water body at the project site
17. The PP shall submit the revised R&R plan, Natural Resource plan and community augmentation plan
18. The PP shall submit the audited report for the earlier CER
19. The PP shall submit the mosaic plan activity wise for approved in EC and under violation
20. The PP shall submit the validity of EC after 2017
21. The PP shall submit the collaboration agreement
22. The PP shall submit the self contained note whether the project was applied under window of violation along with prosecution details under section 15 of EP act 1986
23. The PP shall provide MOU with the hazardous management company for the existing as well a the violation part
24. The PP shall submit the management plan for DG sets in the basement
25. The PP shall submit the reason for installing access capacity of STP in the project
26. The PP shall include the anti smog gun in the R&R plan, miyawaki forest, noise component
27. The PP shall include the component of social economic in the community augmentation
28. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
29. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
30. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
31. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".
32. The PP shall submit the Revise water balance and include water body and HVAC cooling water requirement and residual water of HVAC. Give old and revised water requirement table separately.
33. The PP shall submit the detailed calculation of population with norms
34. The PP shall submit the comparative table of air quality data for actual collected at site vs HSPCB data
35. The PP shall submit the detailed traffic study of the project
36. The PP shall submit the Population as given 5175 could not be explained by consultant.
37. The PP shall submit the Water calculations/circulation is without HVAC component.
38. The PP shall submit the Natural and community resource Augmentation Plan requires to be revised keeping in view the violation period.
39. The PP shall submit the ECBC compliance with percentage energy savings.
40. The PP shall submit the Surface water testing report without biological data.
41. The PP shall submit the AAQ values especially PM2.5 is on lower side.
42. The PP shall submit the key plan of sampling locations, DG/Vehicular emissions data, primary micromet data, DAT files (input and output), isopleths viz a viz wind rose diagram.

43. The PP shall submit the Hydraulic design and dimensions of each component of STP s of 145KLD , 450 KLD and 30 KLD using MBR technology indicating retention time, MLSS to be maintained and MLVSS/MLSS ratio.
44. The PP shall submit the Traffic study and incremental load analysis with current status of connecting roads.
45. The PP shall submit the Contour plan indicating level of proposed site in terms of drainage pattern.

The PP shall submit the required information as detailed above within 30 days and it was also made clear to the PP that the project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time the case shall be recommended for rejection/ filing.

228.19 EC for Revision and Expansion of Warehouse/Logistic/Industrial Storage Project at Revenue Estate of Village Sehsaula, TalukaTauru, Mewat (Nuh), Haryana by M/s ERPL Warehouse Park Private LTD

Project Proponent: Mr. Nitin Gawali
Consultant : Alinka Solutions Pvt.Ltd.

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/224326/2021 dated 22.11.2021 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 04.12.2021.The PP presented the case before the committee.

- The proposed project is for EC for Revision and Expansion of Warehouse/Logistic/Industrial Storage Project at Revenue Estate of Village Sehsaula, TalukaTauru, Mewat (Nuh), Haryana by M/s ERPL Warehouse Park Private LTD
- The project is on **concept basis** as building plans are not approved from the Competent Authority.
- Consent to Establish for the same is obtained from HSPCB (HSPCB/Consent/: 329962321GSMWCTE8394569) Dated 07.01.2021.
- CLU (Memo No. CLU/MT-201A/CTP/15580/2020 dated 03.09.2020 has been granted over the net plot area of 1,99,093.44sqm as an area of about 16905.72 sqm will be a part of road widening and greenbelt. Thus, the proponent has introduced changes in planning of the project.
- Certified compliance report of the existing part has been obtained dated 04.08.2021. Action taken report of the points raised as per this report is submitted by the PP to MoEF&CC.
- The PP submitted the DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavits
- No wildlife sanctuary falls within 10km from the project site.

Table 1: Basic Details

Name of the Project: Warehouse/Logistic/ Industrial storage project" located in the revenue estate of the Village: Sehsaula, Taluka : Tauru, District : Mewat (Nuh), Haryana by ERPL Warehousing Park Pvt. Ltd.				
Sr. No.	Particulars	Existing	Expansion	Total Area (m²)
1.	Online Proposal Number	SIA/HR/MIS/224326/2021		
2.	Latitude	28°14'7.63"N		
3.	Longitude	77° 1'41.92"E		
4.	Plot Area	216,001.15m ²		215999.16m ²
5.	Net Plot Area	216,001.15m ²		199093.44m ²

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6.	Proposed Ground Coverage	101,275.82m ²		98,197.38 m ²	
7.	Proposed FAR	101,275.82m ²	42,921.56	144197.38m ²	
8.	Non FAR Area	33,958.17m ²	0	0	
9.	Total Built Up area	135,233.99m ²	8963.39	144,197.38 m ²	
10.	Total Green Area with %	43,281.37 (20.02% of plot area)		29,910.00 m ² (15.02 % of plot area)	
11.	Rain Water Harvesting Pits (with size)	53 numbers of pits	2 ponds are included.	53 circular pits +2 ponds	
12.	STP Capacity	150 KLD	85 KLD	265 KLD (160KLD+105KLD) (MBBR Technology)	
13.	Total Parking	No. of trucks = 235 No. of Four Wheelers= 470 No. of Two Wheelers = 470	No. of trucks = 15	255 Trailer parking, 455 Two Wheelers and 455 Four Wheelers	
14.	Organic Waste Converter	1	-	1	
15.	Maximum Height of the Building (m)	18 m	3 m	21 m	
16.	Power Requirement	4 MVA (that is 3200 KW)		5200 KW	
17.	Power Backup	250x8+200x2+62.5x1 KVA	4000 KVA	1250x4 +500x2 +200x2 +62.5x1 KVA	
18.	Total Water Requirement	271 KLD	74 KLD	345 KLD	
19.	Domestic Water Requirement	92 KLD	63 KLD	155 KLD	
20.	Fresh Water Requirement	92 KLD	63 KLD	155 KLD	
21.	Treated Water	179 KLD	11 KLD	190 KLD	
22.	Waste Water Generated	123 KLD	86 KLD	209 KLD	
23.	Solid Waste Generated	0.828 Ton/day	3.37 Ton/day	4.2 Ton/day	
24.	Biodegradable Waste	501.27 Kg/day	2262.73 Kg/day	2764 kg/day	
25.	Number of Towers	5 Warehousing building	0	3 Warehousing building	
26.	Stories	B 100, B 200, B 300 B 400, B 500	B 300 B 400, B 500 are merged as B-300 only	B 100, B 200, B 300 (G+Mezzanine)	
27.	R+U Value of Material used (Glass)	U = 5.4 W/sqm K R-0.9	similar	U = 5.4 W/sqm K R-0.9	
28.	Total Cost of the project:	i) Land Cost	57.61 Crores	160 Crores	INR 218.54 Crores
		ii) Construction	120 Crores		
29.	EMP Budget	i) Capital Cost	3.02 Crores	48.5 Lakhs	3.505 Crores
		ii) Recurring Cost	27.35 lakhs	27.6 Lakhs	54.95 lakhs

	(per year)				
30.	Incremental Load in respect of:	i) PM 2.5	1.05 µg/m ³		0.13 µg/m ³
		ii) PM 10	1.05 µg/m ³		3.33 µg/m ³
		iii) SO ₂	1.5 µg/m ³		3.43 µg/m ³
		iv) NO ₂	6.61 µg/m ³		4.21 µg/m ³
		v) CO	4.58 µg/m ³		3.42 µg/m ³
31	Status of Construction		Foundation work of one building is in process (initial stage)		
32.	Construction Phase:	i) Power Back-up	1 DG set of 62.5 KVA		62.5 kVA
		ii) Water Requirement & Source	Fresh: 2.5 KLD Treated 10 KLD (construction), 6 KLD for Antismog gun Source: Local authorized water supplier		55 KLD domestic water to be obtained from tankers of GMDA, 50 KLD treated water will be procured from nearby STP
		iii) STP (Modular)	NA		1
		iv) Anti-Smoke Gun	1		1

- The PP submitted that estimated population has been accounted considering that the Multinational Brands (E-commerce companies) will be occupying the warehouses and the staff will be working on the triple shift basis. However, the population at each shift will not exceed the norms of NBC.
- The PP has proposed the total water requirement for the staff over 30 lpcd (considering the NBC 2016, BIS norm published by Central Ground Water Authority, Government of India). The reduced water demand has been proposed since no bathroom provision will be done and only washrooms will be developed. PP has assured to adopt the water conservation techniques to align with the reduced demand.
- Previous Environment Clearance of this project was obtained over plot area 2,16,001.15sqm on the concept basis since the CLU was in process for the proposed site. The green area was planned as per the complete plot area of 2,16,001.15sqm. CLU was then granted over net plot area (1,99,093.44sqm) wherein 2988.4 sqm and 13917.32 sqm of area is falling under road widening and highway greenbelt respectively. Part of previous planned green area now falls under the highway greenbelt. The proposed green area currently is 29,910.00 sqm, i.e. 15.02% of net plot area as the remaining part is now outside the site area for which CLU is issued. The PP has revised the parking area to 15.65% of plot area considering the reduction in net plot area which is within the required limits as per Haryana Building Code, 2016.
- The construction of project as per previous EC is at very initial phase; 1st shed of the warehouse is under construction. Same has been recorded in the certified compliance report at Page 6, A(1).

Table 2: Estimated Other Waste (recyclable, biodegradable, etc.)

S. No.	Waste Description	Quantity (in ton/month)
1.	Corrugate boxes	285
2.	Wood Scrap	10.2
3.	Mixed Plastic	12.3

4.	Plastic	33.3
5.	Metal	18.1
6.	Product food/Garbage (included in biodegradable waste)	83

Table 3: Estimated Hazardous Waste

S. No.	Hazardous waste Category	Hazardous Waste Description	Quantity Estimated
1	Cat. 33.2	Contaminated cotton rags or other cleaning materials	1.2 T/ Annum
2	Cat. 33.1	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	1.2 T/ Annum
3	Cat. 5.2	Waste or residues containing oil	1.2 T/ Annum
4	Cat. 5.1	Used or spent oil	4 KL/ Annum
5	Class C1	Flammable	6.5 Ton/Annum
6	Class C2	Corrosives	8 Ton/Annum
7	Class C4/ C12	Toxic / Eco-Toxic	1.3 Ton/Annum
8	Class C5/ C8	Oxidizers/ Organic Peroxides	6.2 Ton/Annum

Table 4: EMP BUDGET

Capital Expenditure-

S.No.	Description	Capital Cost (Rs in lakhs)	
		Existing Part	Expansion Part
1.	Landscaping/Plantation	10	15
2.	STP/Wastewater treatment	30	12
3.	Solid waste management	26	4
4.	Rain water harvesting	160	3
5.	Acoustic enclosure and stack	20	1.5
6.	Anti smog gun	22	5
7.	Miscellaneous (PPE Kit for workers, Health check-ups and medical facilities, Sanitation facilities, Green nets,)	34	8
	Total	302	48.5

Recurring Cost-

S.No.	Description	Recurring Cost (Rs in lakhs)	
		Existing Part	Expansion Part
1.	Landscaping	0.9	5
2.	Water management	3.5	4.6
3.	Air management	5	7
4.	Environment Monitoring	5	5
5.	Solid waste management	2.2	2.5
	Miscellaneous (Servicing of Anti Smog Guns, maintenance of green area, servicing of RWH Pits/ pond, Environment Management Cell).	10.75	3.5
	Total	27.35	27.6

Total EMP budget :

S. No.	Particular	Total Cost (in Lakhs)		
		Existing Part	Expansion Part	Total (in lakhs)
1	Budget for nearby area/ outside the project boundary	CER as approved in existing part is 267 lakhs	EMP is 5 lakhs	CER is 267 and EMP is 5
2	EMP budget for inside the project boundary	329.35	76.1	405.45
	Total	596.35	81.1	677.45

Table 5: brief of Budget outside boundary in nearby area/villages

S. No	Activities	Proposed Locations	Tangible outcome	Capital Cost (in Rs)							Capital cost (in Rs)	Recurring cost (in Rs)	Total cost (in Rs)
				1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year			
1	Installing colour Coded Dustbins in schools	1. Govt. Primary School Bhutlaka- School Code 620060 2301	Colour Coded dustbins at four schools	15000/-	-	-	15000/-	-	15000/-	15000/-	60000/-	10000/-	70000/-
2	Installation of	2. Govt. Primary School Kiruri	Three smart classroom	50000/-		50000/-	50000/-	-	-	-	150000/-	45000/-	195000/-

	Smart classroom in School	School Code: 620060 2101	ms										
3	Books distribution in Library	3. Govt. Primary School Rosewood City Sector 49 School Code: 618010 7002	Distribution in four libraries	-	25000 /-	25000 /-	-	25000 /-	-	25000 /-	100000 /-	1000 0/-	1100 00/-
4	Installation of RO system for drinking purpose	4. Govt. Primary School Badshapur School Code: 618030 1101	RO installation at Govt. schools.	-	25000 /-	-	-	25000 /-	2500 0/-	25000 /-	100000 /-	2500 0/-	1250 00/-
Total				65000 /-	50000 /-	75000 /-	65000 /-	50000 /-	4000 0/-	65000 /-	41000 0/-	9000 0/-	5000 00/-

TABLE-6- TOTAL EMP BUDGET-OUTSIDE THE PROJECT PREMISES

S. No.	Particular	Cost in Rs
1.	Activities as per Table 4 details last	500000
2.	Miyawaki Plantation technique	750000
	Total	1250000

The discussion was held on abnormal increase in population 3500 to 8500 and reducing the staff water requirement from 45 LPCD to 30 LPCD in order to avoid construction of bigger STP detriment to Proper Management/conservation of Environment, without any legitimate backing for such storage and commercial project where washroom/Toilets are necessary component as per NBC that too should use water efficient fixtures, Aravali NoC, Green plan, water requirement, revised EMP, STP, contour plan, sewer permission, water assurance etc. and certain observations were raised as following:-

1. The PP shall submit the green plan along with details of the plantation to be carried out in faced manner
2. The PP shall submit the Aravali NoC from the competent authority
3. The PP shall submit the forest NoC along with the khasra no. land under the project
4. The PP shall submit the revised population along with revised water calculations at the rate of 30KLD along with proof of providing the lower water requirement
5. The PP shall submit the details of water requirement for the extra pond in terms of run off
6. The PP shall submit the a revised parking details and reason for decrease in parking for the earlier EC
7. The PP shall submit the affidavit that the project is at the initial stage of construction
8. The PP shall submit the ATR for the certified compliance report
9. The PP shall submit the revised EMP along with mivya wika forest

10. The PP shall carry out the comparison of the ground water report with the earlier one
11. The PP shall submit the details of STP along with dimension of each component and VMLSS/VLSS data
12. The PP shall submit the onsite offsite emergency plan
13. The PP shall submit the contour plan indicating the levels
14. The PP shall submit the MOU signed with the hazardous water management company
15. The PP shall submit the detail of solar power to be installed
16. The PP shall submit the detailed SOP of plastic segregation uses
17. The PP shall submit the sewer permission of the competent authority
18. The PP shall submit the water assurance from the competent authority
19. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
20. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
21. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
22. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".
23. The PP shall submit Give detailed calculation of population with norms
24. The PP shall submit the reason for Reply of information sought by MOEF and CC(p-240 of the document)
25. The PP shall submit the reason for submitting the plagiarism undertaking
26. The PP shall submit Revised population calculations for BUA of 1,44,192.352 square meters based on per capita area requirements as per mandate/statutory provisions.
27. The PP shall submit Water calculations based on statutory provisions and as per earlier EC papers circulated for this project. The dimensions of each component of STP using MBBR technology need to be given based on revised water calculations based on retention time, MLSS to be maintained, MLVSS/MLSS ratio, F/M ratio.
28. The PP shall submit the rain water harvesting should be strictly as per government approved design indicating source of design.
29. The PP shall submit revised water circulation diagram based on revised water requirement, cooling components.
30. The PP shall submit Revised ECBC studies including studies of civil, mechanical, electrical, cooling components to achieve minimum permissible energy savings standards.
31. The PP shall submit Revised Traffic study based on primary latest traffic data and not on the survey of IRC 1990.
32. The PP shall submit Primary micromet data, vehicular emission data, DAT files (input and output), Isopleths vis a vis wind rose diagram.
33. The PP shall submit Climatology data of CPCB observatory at Delhi cannot be basis of wind rose diagram.
34. The PP shall submit MSDS of all chemicals, Pharmaceutical products, cosmetics along with CAS numbers need to be given.
35. The PP shall submit Compliance of MHISC rules, OHSAS, Occupational health and working conditions code 2019 along with SOP,s need to be submitted.
36. The PP shall submit Compliance of Hazardous waste handling and management provisions, Drugs and cosmetic Act and Rules framed there under need to be submitted.
37. The PP shall submit FMCG products storage and Management details.
38. The PP shall submit contour plan indicating levels of proposed in terms of drainage pattern.

The PP submitted the reply of above said observations along with affidavit

The documents were placed before the committee and committee after discussion considered the reply and after deliberations the Committee rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A: Specific Conditions:

1. The PP shall take the necessary approval from PESO, if applicable
2. The PP shall follow the compliance of Public Liability Insurance Act, 1991
3. The PP shall carry the isolated storage of each chemical to be stored with the existing precautions as per the MSHIC Rules, 1989 and abide by all conditions of MSDS.
4. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of firefighting equipments etc. as per National Building Code including protection measures from lightening etc.
5. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project.
6. The PP and consultant agree to display the First Aid measure, Fire Fighting Measure, Accidental Release measure, Exposure and control (Personal Measure) at the site.
7. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
8. Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration. The Treated effluent from STP shall be recycled/reused for flushing. DG cooling, Gardening and HVAC.
9. The PP shall comply with provisions of Occupational Safety health and working conditions Code 2019.
10. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
11. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
12. Separate wet and dry bins must be provided for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
13. The PP shall implement the EMP and assess that the implemented EMP is adequate and periodic environmental audits shall be conducted and maintained the records of audit. These audits shall be followed by Corrective action plan to correct the various measures identified during the audits (CAP).

14. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
15. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should 29,910.00 m² (15.02 % of plot area) shall be provided for green area development.
16. The PP shall also develop the Miyawaki Forest as proposed in the EMP with the capital cost of 7.5 lakhs in the area of 1200 sqm. outside the project area and maintain the same. The Miyawaki forest shall be developed under the guidance of MD Forest corporation Haryana
17. The PP shall provide the Anti-smog gun mounted on vehicle in the project for suppression of dust during construction phase and shall use the treated water, if feasible.
18. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO₂ load by 30% if HSD is used.
19. The PP shall not carry any construction below the HT Line passing through the project, if any.
20. The PP shall not carry any construction above or below the Revenue Rasta, if any.
21. The PP shall obtain the permission regarding withdrawal of ground water from CGWA/ State water Authority, Haryana before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
22. The PP shall not allow parking of the vehicles on the roads or revenue Rasta outside the project area.
23. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority
24. The PP shall develop the onsite and offsite emergency plan in consultation with the regulatory authority.
25. 53 Rain water harvesting recharge pits and 2 ponds shall be provided for ground water recharging as per the CGWB norms.
26. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 53 RWH pits.
27. The PP shall not allow establishment of any category A or B type industry in the project area.
28. The PP shall carry out the quarterly awareness programs for the staff.
29. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
30. The PP shall comply with provisions of Manufacturing storage and import of Hazardous chemical rules

B. Statutory Compliance:

- [1] The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

- [2] The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning etc.
- [3] The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- [4] The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- [5] The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- [7] A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- [8] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- [9] The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC, Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

II. Air quality Monitoring and Preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low Sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) Sand, Murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii) Wet jet shall be provided for grinding and stone cutting.
- viii) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

- ix) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x) The diesel generator sets to be used during construction phase shall be ultra-low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra-low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii) For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water Quality Monitoring and Preservation

- i) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii) Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
- ix) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi) The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms.
- xii) A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be

provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

- xiii) All recharge should be limited to shallow aquifer.
- xiv) No ground water shall be used during construction phase of the project.
- xv) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvi) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xvii) Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xviii) No sewage or untreated effluent water would be discharged through storm water drains.
- xix) Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xx) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxi) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise Monitoring and Prevention

- i) Ambient noise levels shall conform to residential area/commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is no case shall be less than 25% as prescribed.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and

thermal mass etc. shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications.

- iv) Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-laws requirement, whichever is higher.
- vi) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii) The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall 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.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic Waste Converter within the premises with a minimum capacity of 0.5 kg/person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum Blocks, Compressed Earth Blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age

regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

- ii) A minimum of 1 tree (5' tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VIII. Transport

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms. radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms. radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human Health Issues

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

- v) Occupational health surveillance of the workers shall be done on a regular basis.
- vi) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporate Environment Responsibility

- i) The project proponent shall comply with the provisions as applicable, regarding Corporate Environment Responsibility for expansion and existing parts.
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

XI. Miscellaneous

- i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii) The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.

- ix) No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- x) Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi) The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

228.20 EC for Expansion of Affordable Group Housing Project located at Revenue Estate of Village Gadauli Khurd, Sector 37 C, Gurugram, Haryana by M/s Renuka Traders Private Limited

Project Proponent: Mr. Purshottam Kumar
Consultant : Oceao Enviro

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/229180/2021 dated 22.11.2021 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 04.12.2021. The PP presented the case before the committee. The PP presented the case before the committee

- The PP submitted the copy of DD for Rs. 2.0 lakh in favour of MS, SEIAA along with affidavits

The discussion was held on EMP, CER, water details, Geotechnical studies, FAB, RWH, Green Plan, Aravali NOC, distance of wildlife sanctuary from the project site etc. and certain observations were raised as following as below:-

1. The PP shall submit the revised EMP along with miyawika forest
2. The PP shall submit the ATR on the Certified compliance report
3. The PP shall submit the audited CER reports
4. The PP shall submit the Geo technical report
5. The PP shall submit the details of the fab technology for STP along with dimension of each component and tertiary treatment
6. The PP shall submit the traffic study indicating the latest data
7. The PP shall submit the double bore RWH pits in the project area
8. The PP shall submit the proof of treated water used for dust suppression during the construction
9. The PP shall submit the revised wildlife activity plan of 30 lac at the sultanpur sanctuary from the project site
10. The PP shall submit the compliance of earlier green plan sanctioned in earlier EC
11. The PP shall submit the exact details of area under expansion along with affidavit
12. The PP shall submit the increase in pollution load with respect to existing project for the expansion part
13. The PP shall submit the mosaic plan activity wise
14. The PP shall submit the parking plan
15. The PP shall submit the location of STP on the plan along with dual plumbing plan

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16. The PP shall submit the Aravali NoC for the expansion part
17. The PP shall submit the revised green plan mentioning the plantation in faced manner
18. The PP shall submit the reason for installing 510KLD in the project site
19. The PP shall submit the revised water calculation details
20. The PP shall submit the double bore RWH pits
21. The PP shall submit the storm water management plan
22. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
23. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___ PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the “Incremental Pollution Load” and those are true to best of our knowledge.
24. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
25. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.
26. The PP shall submit Revise water balance (Old area- @135 and new area @86 KLD) and give water requirement table for old and new area separately.
27. The PP shall submit RWH calculation @ 90 mm/hr with twin borewell for a new area
28. The PP shall submit Deviation in total plot expansion area in Form I, IA, and conceptual plan
29. The PP shall submit Geo Technical studies of project area.
30. The PP shall submit Traffic study and incremental load analysis with current status of connecting roads.
31. The PP shall submit Hydraulic design and dimensions of each component of revised STP using FAB technology with tertiary treatment facility.
32. The PP shall submit AAQ test reports of three locations of one month period.
33. The PP shall submit the water requirement need to be based on 135LPCD for earlier EC dwelling units and resubmission of revised water, water circulation, STP .
34. The PP shall submit Key plan of sampling locations, primary micromet data, DG/Vehicular emissions data, DAT files (input and output), Isopleths of PM10, PM2.5 , NO2, SO2 and CO vis a vis wind rose diagram

The PP submitted the reply of above said observation and after consideration the committee decided that following points are still required to be submitted by PP.

1. The PP shall submit the Aravali NoC for the expansion part.
2. The PP shall submit the audited CER reports
3. The PP shall submit the traffic study indicating the latest data
4. The PP shall submit the proof of treated water used for dust suppression during the construction
5. The PP shall submit Geo Technical studies of project area.
6. The PP shall submit the revised EMP along with miyawaki forest
7. The PP shall submit the compliance of earlier green plan sanctioned in earlier EC
8. The PP shall submit the reason for installing 510KLD in the project site
9. The PP shall submit the revised water calculation details
10. The PP shall submit AAQ test reports of three locations of one month period.

The PP submitted the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

228.21 EC for Crystal City Logistic Park -1 (Warehouse/ Industrial Storage/ Logistic/ Assembling Park) Project located at 60 Milestone, Village Rathiwas, Bhudka, Manesar, Village Bhodakalan, Tehsil Pataudi, District Gurugram, Haryana, National Highway-48, Haryana by M/s Crystal City Developers Private Limited

Project Proponent: Mr. Nitin Gawali
Consultant : Aplinka Solutions Pvt. Ltd.

The Project was submitted to the SEIAA, Haryana vide online Proposal No. SIA/HR/MIS/64454/2021 dated 08.11.2021 for obtaining Environmental Clearance under Category 8(b) of EIA Notification 14.09.2006. The TOR was granted vide letter no. SEIAA (129)/HR/2021/968 dated 26.10.2021.

The case was taken up in 228th meeting of SEAC held on 04.12.2021. The PP presented the case before the committee.

- The proposed project is for EC for Crystal City Logistic Park -1 (Warehouse/ Industrial Storage/ Logistic/ Assembling Park) Project

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located at 60 Milestone, Village Rathiwas, Bhudka, Manesar, Village Bhodakalan, Tehsil Pataudi, District Gurugram, Haryana, National Highway-48, Haryana by M/s Crystal City Developers Private Limited

- The project is on concept basis as building plans are not approved from the Competent Authority.
- Application for CLU of this land has been applied dated 10.04.2021.
- Total land area for proposed project is 3,79,139.2593 sq.mt having net plot area as 3,72,550.4003 sq.mt and Built up area for the same comes out to be 2,01,823.76 sq.mt.
- The PP submitted the DD for Rs. 2.0 lakh in favour of MS, SEIAA
- No wildlife sanctuary falls within 10km from the project site

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:

Table1: Basic details

Name of the Project: Crystal City Logistics Park -1 (Warehouse/ Industrial Storage/ Logistics/ Assembling Park) by M/S Crystal City Developers Private Limited Project at 62 Milestone, Village Rathiwas, Bhudka Tehsil Manesar & Village Bhodakalan Tehsil Pataudi, District Gurugram, National Highway-48 (Haryana)		
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/62859/2021
2.	Latitude	28°16'20.57"N
3.	Longitude	76°51'13.62"E
4.	Plot Area	3,79,139.2593 sqm
5.	Net Plot Area	3,72,550.4003 sqm (92.059 Acres)
6.	Proposed Ground Coverage	1,69,254.00 m ² (45.43% of plot area)
7.	Proposed FAR	201823.76 (53.23 %)
8.	Non FAR Area	00
9.	Total Built Up area	2,01,823.76 m ²
10.	Total Green Area with %	55,980 m ² (15.03% of plot area)
11.	Rain Water Harvesting Pits (with size)	92 recharge pits and two RWH ponds
12.	STP Capacity	2x270 KLD (Total 540 KLD-MBBR Technology)
13.	Total Parking	800 two-wheelers, 800 four-wheelers, 56049.34 (15.04 %)

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14.	Organic Waste Converter	2 (Batch Size-50kg)	
15.	Maximum Height of the Building (m)	19 m	
16.	Power Requirement	8000 kVA (6400 KW)	
17.	Power Backup	(DG sets 17 in number of 8X250, 315X2, 500X4, 1000X2 and 630X1 for Common facility)	
18.	Total Water Requirement	743 KLD	
19.	Domestic Water Requirement	307 KLD	
20.	Fresh Water Requirement	307 KLD	
21.	Treated Water	436 KLD	
22.	Waste Water Generated	430 KLD	
23.	Solid Waste Generated	3500 Kg/Day	
24.	Biodegradable Waste	2082 kg/day	
25.	Number of Towers	9Warehousing building	
26	Stories	B 1000, B2000, B 3000, B 4000, B 5000, B 6000, B 7000, B 8000, B 9000 (G+Mezzanine)	
27.	R+U Value of Material used (Glass)	U = 5.4 W/sqm K R-0.9 W/sqm K	
28.	Total Cost of the project:	i) Land Cost	INR 385 /-Crore
		ii) Construction Cost	
29	EMP Budget (per year)	iii)Capital Cost	708.58 Lakhs
		iv) Recurring Cost	61.58 Lakhs
30.	Incremental Load in respect of:	i) PM 2.5	0.053 µg/m ³
		vi) PM 10	0.069 µg/m ³
		vii) SO ₂	0.127 µg/m ³
		viii) NO ₂	0.785 µg/m ³
		ix) CO	0.302 µg/m ³
31.	Construction Phase:	v) Power Back-up	62.5 kVA
		vi) Water Requirement & Source	40 KLDdomestic water to be obtained from tankers of GMDA, 50 KLD treated water will be procured from nearby STP
		vii) STP (Modular)	1
		viii) Anti-Smoke Gun	1

TABLE-2 - EMP BUDGET DETAILS-CONSTRUCTION PHASE

S.No	COMPONENT	CAPITAL COST (Rs. IN LACS)	RECURRING COST (Rs. IN LACS/ANNUM)
1.	EMP cost of Construction phase(green net, tarpaulin cover to cover the construction material and GI Sheet)	12.71	1.96
2.	Tractors/Tanker cost for Water sprinkling for dust suppression	9.7	1.8
3.	Wheel wash arrangement during construction phase	0.67	0.6
4.	Sanitation for labours (mobile toilets/septic tank)	2.34	1.4
5.	Environmental Monitoring and six monthly compliances	0	0.85
6.	Anti-Smog Gun	14.72	1.83
7.	Sedimentation Tank	1.34	0.1
8.	Handling of construction waste material	3.14	0.4
9.	PPE for workers	3.01	0.5
10	Health check up and medical facilities	3.01	2.64
11	Total	50.64	12.08

TABLE-2-EMP BUDGET DETAILS-OPERATION PHASE

S.No	COMPONENT	CAPITAL COST (Rs. IN LACS)	RECURRING COST (Rs. IN LACS/ANNUM)
1.	Sewage Treatment Plant	151	6
2.	Rain water Harvesting Pits	250	10
3.	Acoustic enclosure/stack for DG sets and Energy savings	15.11	1.7
4.	Solid Waste Management (owc)	10.35	1
5.	Environmental Monitoring and six monthly compliances	0	0.25
6.	Green Area/ Landscape Area	170	4
7.	Installation of Solar PV	57.79	3.4
8.	Water efficient fixture and measures	3.69	2.15
9.	Environment Management Cell	0	15
10.	Development Programmes and other Initiatives	0	6
	Total	657.94	49.5

The total EMP budget (inside the project) of both construction and operation phases are summarised below:-

TABLE-3-TOTAL EMP BUDGET -INSIDE THE PROJECT PREMISES

S. No.	Particular	Cost in Lakhs
1.	EMP budget (Capital cost)	708.58
2.	EMP budget (Recurring cost)	61.58
	Total	770.16

Table4: EMP budget outside the project area

S. No	Activities	Areas proposed	Tangible outcome	Capital Cost (in Rs)							Capital cost (in Rs)	Recurring cost (in Rs)	Total cost (in Rs)	
				1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year				
1.	Tree Plantation in association with Gram Panchayat	Villages Rathiwas and pathradi	Tree Plantation in two villages		25000/-		25000/-					50000/-	25000/-	75000/-
2.	Development of Toilets (Separate toilets for boys & girls) in schools for students	1 Govt. Primary School- Rathiwas School Code 62006007 03	Two toilets			25000/-		25000/-				50000/-	30000/-	80000/-
3.	Installation of Smart classroom in School	2 Govt. Medium School - Rathiwas	Three smart classrooms	25000/-		25000/-		25000/-				75000/-	28000/-	103000/-
4.	Installation of 3KW Solar Panels for electrification	School Code 62006007	Three 3KW solar panels	20000/-	20000/-		20000/-	20000/-	20000/-	20000/-		120000/-	26000/-	146000/-

S. No	Activities	Areas proposed	Tangible outcome	Capital Cost (in Rs)						Capital cost (in	Recurring cost	Total cost
	ion	06										
5.	Books distribution in Library	4 Govt. Primary School - Jaurasi	Distribution in three libraries			12000/-		12000/-	12000/-	36000/-	20000/-	56000/-
6.	Installation of RO system for drinking purpose	School Code 6200600201	1 RO installation at Govt. schools.		20000/-					20000/-	5000/-	25000/-
7.	Pond maintenances through the Haryana Pond and Waste Water Management Authority.	1 Village: Rathiwas 2 Village: Utoon 3 Village: Bhudka 4 Village: bilashpur	Four pond maintenances	25000/-		25000/-		25000/-	25000/-	100000/-	15000/-	115000/-
Total budget outside the boundary				70000/-	65000/-	75000/-	57000/-	70000/-	57000/-	451000/-	149000/-	600000/-

TOTAL 5: EMP BUDGET-OUTSIDE THE PROJECT PREMISES

S. No.	Particular	Cost in Rs
3.	Activities as per Table 4 details last	600000
4.	Miyawaki	750000
	Total	1350000

The discussion was held on Aravalli NOC, land details, population, shifts in three, existing 39 trees, translocation of trees, EMP, Miyawaki forest, water balance, RWH, ponds, visitors population, solar, ECBC compliances, FMCG affidavits, primary MET data, contour, RWH double bore, elevated corridor, services in other part if any, access etc and certain observations were raised as given below:-

228th Video Conferencing (VC) Meeting of SEAC, Haryana, dated 03.12.2021 and 04.12.2021

1. The PP shall submit the valid license for the project along with approval of building plan
2. The PP shall submit the approved zoning plan
3. The PP shall submit the inventory of existing 39 trees along with girth, age, type of plant
4. The PP shall submit the affidavit regarding the revenue rasta passing through the project and the details of revenue rasta in tabular form
5. The PP shall submit the details of 16 plants to be translocated in the project
6. The PP shall submit the revised EMP along with miya wiki forest
7. The PP shall submit the water balance diagram
8. The PP shall submit the revised population as per the NBC code
9. The PP shall submit the details of solar power to be provided along with ECBC compliance and savings
10. The PP shall submit the Aravali NoC for complete 93 acre
11. The PP shall submit the details of land in tabular form mentioning the khasra no. and ownership
12. The PP shall submit the revised population details in view of triple shift
13. The PP shall submit the STP detail along with dimension of each component
14. The PP shall submit the affidavit for FMCG products, MSHIC rules to be followed, safety code of the employees, public liability act
15. The PP shall submit the key location plan along with primary micromat data
16. The PP shall submit the details of water requirement in the water tank provided in the project site along with its filling mechanism
17. The PP shall submit the details of services to be provided in other part across the mask transit rapid system
18. The PP shall submit the revised RWH plan based on run off
19. The PP shall submit the sewerage permission from competent authority
20. The PP shall submit the services across the revenue rasta passing through the project site The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
21. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (_____) of DG sets considered while undertaking the studies for evaluating the “Incremental Pollution Load” and those are true to best of our knowledge.
22. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
23. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.

24. The PP shall submit the detailed calculation of population with norms
25. The PP shall submit Revised water balance (Wastewater to treated water calculation @ 90% instead of 80 %)
26. The PP shall submit the total population of 13500 shown against BUA 2,01,823.76 square meters is wayward and need recalculation of population based on per capita area requirements & calculations as per mandate fixed for visitors in such warehouse projects.
27. The PP shall submit Climatology data of CPCB observatory at Delhi given against requirement of Gurugram.
28. The PP shall submit Hydraulic design and dimensions of each component of two 270KLD, STP using MBBR technology based on retention period, MLSS to be maintained, MLVSS/MLSS ratio, F/M ratio to be achieved.
29. The PP shall submit undertaking for zero discharge.
30. The PP shall submit Primary micromet data, DG/Vehicular emissions data, DAT files (input and output), Isopleths of PM10, PM2.5, NO2, SO2 and CO vis a vis wind rose diagram.
31. The PP shall submit fire fighting plan with fire rescue plan (SOP)
32. The PP shall submit RWH calculation strictly on the basis of CGWA/CPCB/Gol guidelines (specifically indicating the source).
33. The PP shall submit Revised FMCG products management details with E-waste, Hazardous waste, Plastic waste Management details (SOP).
34. The PP shall submit MSDS of all chemicals, Pharmaceutical products, cosmetics need to be given along with CAS numbers.
35. The PP shall submit Revised population calculation needs details with Revised water requirement, water circulation and revised waste generation calculations.
36. The PP shall submit SOP for health and working conditions code for workers, compliance of OHSAS, MHISC rules covering all, Chemicals pharma products, cosmetic products
37. The PP shall submit Contour plan indicating the levels of proposed site in terms of drainage pattern.
38. The PP shall submit non notified over exploited area rather need to be shown as over exploited area.
39. The PP shall submit revised Traffic study based on primary and latest data and not on the survey of IRC 1990
40. The PP shall submit revised ECBC studies of civil mechanical, electrical, cooling components to achieve the minimum energy savings permissible limits.
41. The PP shall submit Compliance of Hazardous waste handling and management provisions, Drugs and cosmetic Act and Rules framed thereunder.
42. The PP shall submit detailed note on the rasta passing through the project area along with permission of competent authority and with duly notarized Affidavit of the latest position of the case.
43. The PP shall submit complete land records showing ownership and possession of project area by project proponent along with position of pending CLU.

The PP submitted the reply of above said observations along with affidavit

The documents were placed before the committee and committee after discussion considered the reply and after deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A: Specific Conditions:

1. The PP shall take the necessary approval from PESO, if applicable
2. The PP shall follow the compliance of Public Liability Insurance Act, 1991
3. The PP shall carry the isolated storage of each chemical to be stored with the existing precautions as per the MSHIC Rules, 1989 and abide by all conditions of MSDS.
4. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of firefighting equipments etc. as per National Building Code including protection measures from lightening etc.
5. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project.
6. The PP and consultant agree to display the First Aid measure, Fire Fighting Measure, Accidental Release measure, Exposure and control (Personal Measure) at the site.
7. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
8. Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration. The Treated effluent from STP shall be recycled/reused for flushing. DG cooling, Gardening and HVAC.
9. The PP shall comply with provisions of Occupational Safety health and working conditions Code 2019.
10. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.

11. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
12. Separate wet and dry bins must be provided for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
13. The PP shall implement the EMP and assess that the implemented EMP is adequate and periodic environmental audits shall be conducted and maintained the records of audit. These audits shall be followed by Corrective action plan to correct the various measures identified during the audits (CAP).
14. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
15. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should 55,980 m² (15.03% of plot area) shall be provided for green area development.
16. The PP shall also develop the Miyawaki Forest as proposed in the EMP with the capital cost of 7.5 lakhs in the area of 1200 sqm. outside the project area and maintain the same. The Miyawaki forest shall be developed under the guidance of MD Forest corporation Haryana
17. The PP shall provide the Anti-smog gun mounted on vehicle in the project for suppression of dust during construction phase and shall use the treated water, if feasible.
18. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO₂ load by 30% if HSD is used.

19. The PP shall not carry any construction below the HT Line passing through the project, if any.
20. The PP shall not carry any construction above or below the Revenue Rasta, if any.
21. The PP shall obtain the permission regarding withdrawal of ground water from CGWA/ State water Authority, Haryana before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
22. The PP shall not allow parking of the vehicles on the roads or revenue Rasta outside the project area.
23. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority
24. The PP shall develop the onsite and offsite emergency plan in consultation with the regulatory authority.
25. 92 Rain water harvesting recharge pits and 2 ponds shall be provided for ground water recharging as per the CGWB norms.
26. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 11 RWH pits.
27. The PP shall not allow establishment of any category A or B type industry in the project area.
28. The PP shall carry out the quarterly awareness programs for the staff.
29. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.
30. The PP shall comply with provisions of Manufacturing storage and import of Hazardous chemical rules
31. The PP shall comply the requirements of drugs and cosmetics Rules 1954 as amended from time

B. Statutory Compliance:

- [1] The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- [2] The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
- [3] The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- [4] The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

- [5] The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- [7] A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- [8] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- [9] The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC, Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

XII. Air quality Monitoring and Preservation

- xiii) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- xiv) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- xv) The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- xvi) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low Sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- xvii) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials

- prone to causing dust pollution at the site as well as taking out debris from the site.
- xviii) Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 - xix) Wet jet shall be provided for grinding and stone cutting.
 - xx) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 - xxi) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
 - xxii) The diesel generator sets to be used during construction phase shall be ultra-low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
 - xxiii) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra-low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
 - xxiv) For indoor air quality the ventilation provisions as per National Building Code of India.

XIII. Water Quality Monitoring and Preservation

- xxii) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- xxiii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- xxiv) Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- xxv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xxvi) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

- xxvii) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- xxviii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xxix) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
- xxx) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xxxi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xxxii) The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms.
- xxxiii) A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xxxiv) All recharge should be limited to shallow aquifer.
- xxxv) No ground water shall be used during construction phase of the project.
- xxxvi) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xxxvii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xxxviii) Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xxxix) No sewage or untreated effluent water would be discharged through storm water drains.
- xl) Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the

Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

- xli) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xliii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

XIV. Noise Monitoring and Prevention

- iv) Ambient noise levels shall conform to residential area/commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- v) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- vi) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

XV. Energy Conservation measures

- viii) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is no case shall be less than 25% as prescribed.
- ix) Outdoor and common area lighting shall be LED.
- x) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications.
- xi) Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- xii) Solar, wind or other Renewable Energy shall be installed to meet electricity

generation equivalent to 1% of the demand load or as per the state level/local building bye-laws requirement, whichever is higher.

- xiii) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- xiv) The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

XVI. Waste Management

- xi) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- xii) Disposal of muck during construction phase shall 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.
- xiii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- xiv) Organic Waste Converter within the premises with a minimum capacity of 0.5 kg/person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- xv) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- xvi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- xvii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum Blocks, Compressed Earth Blocks, and other environment friendly materials.
- xviii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- xix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

- xx) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

XVII. Green Cover

- v) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- vi) A minimum of 1 tree (5' tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- vii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- viii) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

XVIII. Transport

- iv) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points.
 - h. Parking norms as per local regulation.
- v) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- vi) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms. radius of

the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms. radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

XIX. Human Health Issues

- vii) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- viii) For indoor air quality the ventilation provisions as per National Building Code of India.
- ix) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- x) 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. The housing may be in the form of temporary structures to be removed after the completion of the project.
- xi) Occupational health surveillance of the workers shall be done on a regular basis.
- xii) A First Aid Room shall be provided in the project both during construction and operations of the project.

XX. Corporate Environment Responsibility

- v) The project proponent shall comply with the provisions as applicable, regarding Corporate Environment Responsibility for expansion and existing parts.
- vi) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- vii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

- viii) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

XXI. Miscellaneous

- xvii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- xviii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xix) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- xx) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- xxi) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- xxii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- xxiii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xxiv) The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- xxv) No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is

change of area of this project.

- xxvi) Any change in planning of the approved plan will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xxvii) The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xxviii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxix) The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xxx) The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xxxi) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xxxii) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

228.22 EC for proposed common effluent treatment plant of 6 MLD (3 MLD –Phase I, 3 MLD – Phase II) Common Effluent Treatment Plant (Based on Extended Aeration System) at Karnal, Haryana by M/s Haryana State Industrial And Infrastructure Development Corporation Limited

Project Proponent: Mr. Rajbir Singh

Consultant : Gaurang Enviro

The Project was submitted to the SEIAA, Haryana vide Proposal No. SIA/HR/MIS/66789/2020 dated 01.12.2021 for obtaining Environmental Clearance under Category 7(h) of EIA Notification 14.09.2006.

The case was taken up in 228th meeting of SEAC held on 01.12.2021. The PP presented the case before the committee

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table 1: Basic details

Name of the Project: Proposed Common Effluent Treatment Plant of 6 MLD (3 MLD at Phase-I and 3 MLD at Phase-II) based on Extended Aeration System at Karnal, Haryana		
S. No.	Particulars	Details
1.	Online Proposal Number	SIA/HR/MIS/66789/2020
2.	Latitude	Latitude : 29° 38'41.08"N
3.	Longitude	Longitude: 76° 59' 19.37"E
4.	Total Plot Area	27,680.5 Sq. m
10.	Total Green Area with Percentage	9,134.56 Sq. m (33%)
11.	Rain Water Harvesting Pits (with size)	3 Nos. Rain Water harvesting tank of size 5 m x 5 m x 5 m
16.	Power Requirement	350 kVA – UHBVN
17.	Power Backup	DG set Number – 1 no DG Set Capacity - 320 kVA
18.	Total Water Requirement	2.6 KLD 2.0 KLD – Chemical Dosing 0.6 KLD-Domestic use
19.	Domestic Water Requirement	0.6 KLD
20.	Fresh Water Requirement	2.6 KLD
21.	Treated Water	--
22.	Waste Water Generated	0.5 KLD – Domestic
23.	Solid Waste Generated	ETP Sludge – 600 kg/day Domestic Solid Waste – 7.5 kg/day Construction waste – 15 Ton
31.	Total Cost of the project:	14.19 crore
	i) Land Cost	
	ii) Construction	
33.	EMP Cost/Budget	EMP Cost Capital Cost – 166.5 lac

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		Recurring cost – 19.2 lac
34.	Incremental Load in respect of:	
	i) PM 2.5	0.03 µg/m ³
	x) PM 10	0.11 µg/m ³
	xi) SO ₂	0.05 µg/m ³
	xii) NO ₂	3.58 µg/m ³
	xiii) CO	1.36 µg/m ³
35.	Construction Phase:	ix) Power Back-up
		x) Water Requirement & Source
		Contract Basis
		Domestic purposes – 0.5 KLD Source: Tankers

Table 2 : EMP budget

S. No.	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost (Rs. In Lacs)
1	Environmental Monitoring (Air, Stack, Water, Noise, Soil etc.)	0.0	5.0
2	Air Pollution Control System	1.0	0.2
3	Water Pollution and Rain Water Harvesting Structure	15.0	1.5
4	Occupational Health	2.0	0.50
5	Green Belt Development	10.0	1.0
6	Monitoring laboratory	50.0	5.0
7	Online monitoring system	60.0	6.0
8	EMP-Social	28.5	--
Total		166.5	19.2

Table: - EMP budget

A. Education				Rs. In Lacs
• Govt. High School , Karnal				
S. No	Particulars	Nos /Item	Cost Rs.	Amount
1.	Separate Toilets boy and girls	1	25000/-	0.25
2.	Providing Sports item such as Badminton , carom board , cricket set bally ball , football , ring ball , skip rope , chess & swing etc.	-	2,00,000/-	2.00
3.	Providing Library Books *500	1	2,00,000/-	2.00

	Providing Library Racks- Nos5			
4.	Stationary Items such as Green Board (6*5) 6 Pcs with markers and duster	6	30,000/-	0.30
5.	Plantation with iron tree guard	100	2,00,00/-	2.00
A. Total Amount : Rs. Lac				6.55 Lacs
B. Health Camp PHC Karnal				
<ul style="list-style-type: none"> ➤ Separate workshop for females for health awareness and regular check ups by gynecologist ➤ Medical equipments :- <ul style="list-style-type: none"> • Provide Equipments for medical lab testing of Hematology, Urine & stool samples • Provide Portable X-ray Machine • Provide Oxygen Cylinders & Wheelchairs 				15.00
B. Total : Rs. Lac				15.00
C. Women's skill development program				
Vocational education for women including providing sewing machines				6.95
D. Total : Rs. Lac				6.95
Grand Total :- A+B+C +D				28.5

S. No.	EMP Social Activities	Capital Cost (Rs. In Lakh)	Total Expenditure Year wise (Rs in Lacs)		
			1st year	2st year	3st year
1	Education	6.55	4.00	2.55	-
2	Health Camp	15.00	5.00	5.00	5.00
4	Women's skill development program	6.95	3.00	3.00	0.95
Total: Rs. Lacs		28.5	12.00	10.55	5.95

The discussion was held on types of industry, HSIIDC area, public hearing, water of CETP usages, ZLD, Undertaking on crossing of roads, tangible EMP, Pharma and chemical industry, NGT guidelines, outflow of CETP, water requirement, RWH etc and certain observations were observed as given below:-

1. The PP shall submit the affidavit regarding type of industries i.e. pharma, electroplating etc. whose effluent not to be treated in the CETP and shall not violate the NGT orders and various guidelines of MOEF&CC in this regard.
2. The PP shall submit the affidavit that ZLD to be maintained

3. The PP shall submit the undertaking for crossing the roads for laying the services across the road
4. The PP shall submit the tangible EMP
5. The PP shall submit the green belt plan and details along with Miyawaki forest in green plan
6. The PP shall the existing no. of trees in the project site

The PP submitted the reply of above said observations

The documents were placed before the committee and committee after discussion considered the reply.

After detailed deliberations the Committee was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.09.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific Conditions

1. Separate wet and dry bins must be provided for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
2. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project.
3. No tree cutting has been proposed in the project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 9,134.56 Sq. m (33%) shall be provided for green area development. The PP shall also develop Miyawaki forest in the green area under the guidance of MD Forest Corporation
4. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
5. The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
6. 3 number of RWH pits provided in the project area shall be avoided from mixing with the CETP water and only rain water to be trapped by keeping hazardous waste away from the RWH.
7. Consent to establish / operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.

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8. The PP shall develop the CETP as the Zero liquid discharge unit.
9. The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA
10. The PP shall take all preventive measures and shall not allow to mix the Rain Water/storm water with the hazardous waste/CETP Effluent
11. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
12. The PP shall make treatment plan for Chromium, phenol etc. for better working of CETP.
13. The Individual plot holder shall primarily treat their effluents as per the quality of outflow.
14. The PP shall ensure the transportation of effluent from the member unit through closed pipe system after primary treatment.
15. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory Compliance:

1. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3. The Project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).
4. The Project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Board/Committee.
5. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
6. A certificate of adequacy of available power form the agency supplying power to the project along with the load allowed for the project should be obtained.
7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, etc. shall be obtained, as applicable by project proponents form the respective competent authorities.

I. Air quality monitoring and preservation

- i. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.

II. Water quality monitoring and preservation

- i. The Project Proponent shall install 24x7 online continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- iii. There shall be flow meters at inset and outset of CETP to monitor the flow, suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
- iv. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on-line of the website exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP.
- v. The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal applications for consent to operate to be made before the State Pollution Control Board.
- vi. No changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry.
- vii. The Unit shall inform the State Pollution Control Board at least a week prior to undertaking maintenance activities in the recycle system and store/dispose treated effluents under their advice in the matter.
- viii. The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
- ix. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.
- x. The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the

- of State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
- xi. The effluent from member units shall be transported through pipeline. In case the effluent is transported thorough road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
 - xii. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent form any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.
 - xiii. Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
 - xiv. The Project Proponent will build operate and maintain the collection and conveyance system to transport effluent from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.
 - xv. The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.
 - xvi. The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.

III. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

IV. Waste management

- i. ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per Hazardous and Other Waste Management Rules, 2016.
- ii. Non Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the Consent to be availed from the State Pollution Control Board. Non Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
- iii. The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure form the grid.

- iv. The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.
- v. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- vi. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

V. Energy Conservation Measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.

VI. Green Belt

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

VII. Public Hearing and Human Health Issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
- iii. 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. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis.

VIII. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

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

IX. Miscellaneous

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The criteria pollutant levels 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.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana.
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement

these conditions.

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

228.23 TOR for Industrial Model Township of Manesar, Gurgaon, Haryana Services Pvt Ltd. Patli Hazipur Farukhnagar Farukhnagar Gurugram Haryana by M/s Instakart Services Pvt Ltd.

The project proponent was submitted vide proposal no. SIA/HR/MIS/69653 /2021 dated 02.12.2021 the case to the SEIAA as per check list approved by the SEIAA/SEAC for approval of ToR under category 8(b) of EIA Notification 14.09.2006. The Auto TOR has been generated on 01.12.2021.

The case was taken up in 228th meeting of SEAC held on 04.12.2021. The PP presented the case before the committee.

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table 1: Basic details

Name of the Project: Environmental Clearance for Warehouse Development at Plot No 1, Warehousing & Transport Hub in village PatliHazipur, Tehsil Farukhnagar in Industrial Model Township of Manesar, Gurgaon, Haryana by Instakart Services Pvt Ltd.		
Sr.No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/69653/2021
2.	Latitude	22° 58' 58.05" N
3.	Longitude	88° 32' 12.86" E
4.	Plot Area	140.01 Acres (56.66 Ha.) 566,664.42 Sqmt
6.	Proposed Ground Coverage	310,259.275 Sqmt
7.	Proposed FAR	718,605.425 Sqmt
8.	Non FAR Area	57,934.86 Sqmt
9.	Total Built Up area	776,540.285 Sqmt
10.	Total Green Area with %	87975.45 Sqmt (15.53 %)
11.	Rain Water Harvesting Pits (with size)	Pond (12790 Cum)
12.	STP Capacity	1100 KLD
13.	Total Parking	Car Parking 990 Bike Parking 3650 Truck/Bus Parking 496

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14.	Organic Waste Converter	Proposed	
15.	Maximum Height of the Building (m)	21 m	
16.	Power Requirement	20 MW	
17.	Power Backup	7 x 2750 KVA (6x 2750 + 1 x 2750 as backup)	
18.	Total Water Requirement	1617 KLD	
19.	Domestic Water Requirement	1172 KLD	
20.	Fresh Water Requirement	721 KLD	
21.	Treated Water	896 KLD	
22.	Waste Water Generated	997 KLD	
23.	Solid Waste Generated	6.58 TPD	
24.	Biodegradable Waste	3.88 TPD	
25.	Number of Towers	4 Warehouse boxes	
30.	R+U Value of Material used (Glass)	U value 0.9 Btu/hr.ft ²	
31.	Total Cost of the project:4000crores	i) Land Cost	406 crores
		ii) Construction Cost	3594crores
32.	EMP Budget (per year)	v) Capital Cost	4 CroresApprox
		vi) Recurring Cost	40 LacsApprox
35.	Construction Phase:	xi) Power Back-up	490 KVA
		xii) Water Requirement & Source	Private Tanker / HSIIDC / Ground water
		xiii) STP (Modular)	15 KLD
		xiv) Anti-Smoke Gun	Yes

The Discussion was held on Traffic study, parking plan, air dispersion modeling, water calculations, license etc. and after detailed deliberations it was decided by the committee to recommend the case to SEIAA for approval of additional ToR as auto TOR has already been granted to the project and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference in addition to standard terms of reference:

Standard ToR

- [1] Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- [2] Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
- [3] Examine baseline environmental quality along with projected incremental load due to the project.
- [4] Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- [5] Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
- [6] Submit the details of the trees to be felled for the project.

- [7] Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- [8] Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- [9] Ground water classification as per the Central Ground Water Authority.
- [10] Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- [11] Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- [12] Examine soil characteristics and depth of ground water table for rainwater harvesting.
- [13] Examine details of solid waste generation treatment and its disposal.
- [14] Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption, energy conservation and energy efficiency.
- [15] DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- [16] Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- [17] A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- [18] Examine the details of transport of materials for construction which should include source and availability.
- [19] Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- [20] Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- [21] Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- [22] The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- [23] Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Additional ToR:

1. The PP shall submit the Geo Technical studies of project area
2. The PP shall submit the details of population as per mandate for the project area.
3. The PP shall submit the water requirement, circulation treatment on the basis of population.
4. The PP shall submit the air sampling of minimum 3 locations for min one month period.

5. The PP shall submit the Key plan of sampling locations, primary micromet data, DG/Vehicular emissions data, DAT files (input and output). Isopleths vis a vis wind rose diagram.
6. The PP shall submit the traffic study along with proper parking plan for surrounding and traffic congestion points in and around the project area. The PP shall submit the decongestion of traffic and parking in the project area as the 9 meter roads are proposed as per existing byelaws. The PP shall submit details of ECS proposed within the plots to decongest the traffic as the four floors are proposed to be constructed.
7. The PP shall submit the hydraulic design and dimension of each component of STP along with its location.
8. The PP shall submit the activity wise breakup of residential plots, commercial area, community area, Nursing home & roads.
9. The PP shall submit the details of air dispersion modeling along with dat files
10. The PP shall submit the energy saving details
11. The PP shall submit the revised Water calculation for all seasons along with details
12. The PP shall submit Environment Impact Assessment of vehicles during peak hours in and around the project area.
13. The PP shall submit the traffic circulation and parking management plan
14. The project proponent should submit Air Quality Modeling isopleths of DG Sets with Air mode Software version details
15. The PP shall submit the details of existing trees in the project area.
16. The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
17. The PP shall submit the land ownership details
18. The PP should enclose all analysis reports of Air, Water, Soil, Noise etc. from MoEF& CC/ NABL Laboratory with scope of accreditation along with range of testing. All original reports should be available during approval of project

228.24 EC for Expansion cum Modification of Group Housing Project at Village Palra, Sector 70A, Gurugram, Haryana by M/S Haamid Real Estate Pvt. Ltd.
Project Proponent : Julie Jha
Consultant : Vardan EnvironNet

The project proponent submitted the case along with EIA/EMP to the SEIAA vide online proposal no. SIA/HR/MIS/61220/2021 dated 04.10.2021 as per check list approved by the SEIAA/SEAC for obtaining EC under category 8(b) of EIA Notification dated 14.09.2006. The TOR was granted vide letter dated 08.07.2021.

Thereafter, the case was taken up in 224th meeting of SEAC held on 29.10.2021. The PP presented the case before the committee and **the Discussion was held on** revised EMP, certified compliance report, ATR submitted, STP, feasibility report of STP, Aravalli NOC, Forest NOC, water demand, sludge, green plan, road to be constructed by HUDA, construction in the new expansion of the project etc. and certain observations were raised as below:-

- 1) The PP shall submit the Aravalli NOC from the competent Authority.
- 2) The PP shall submit the forest NOC from the competent Authority.
- 3) The PP shall submit the progress of existing green plan.
- 4) The PP shall submit the tangible EMP

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5) The PP shall submit the evidence for construction of land of expansion for road by HUDA.

The PP shall submit the required information as detailed above within 30 days and it was also made clear to the PP that the project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time the case shall be recommended for rejection/ filing.

The PP submitted the reply of the observation vide letter dated 22.11.2021.

The case was taken up in 227th meeting of SEAC held on 30.11.2021 and deferred on the request of PP.

Thereafter, the case was taken up in 228th meeting of SEAC held on 04.12.2021.

The PP presented the case before the committee

- The proposed project is for EC of Expansion cum Modification of Group Housing Project at Village Palra, Sector 70A, Gurugram, Haryana by M/s Haamid Real Estate Pvt. Ltd.
- Earlier EC has been granted to the project vide letter no. SEIAA/HR/2013/627 Dated 04.09.2013 and further extended up to 2023
- Earlier, TOR has been granted vide SEIAA letter no. (I28)/HR/2021/563 Dated: 08.07.2021
- Building plans have been approved from DTCP vide letter no. 26539 dated 29.10.2019
- The license no. 16 of 2009 dated 29.05.2009 for 27.4713cres to Hammid Real Estate Pvt. Ltd which is valid upto 28.05.2024 and license no. 73 of 2013 dated 30.07.2013 for 0.245acres to Finian estate developer pvt. Ltd which is valid upto 29.07.2024
- Zoning plan has been approved from DTCP to Finian estate developer pvt. Ltd and others in collaboration with DLF Ltd. For additional area of 0.245 acre adjoining to already licensed granted area of 27.4713cres vide letter dated 30.07.2013
- No wildlife sanctuary falls within 10km from the project site
- The certified Compliance report received from MOEF&CC vide letter no. F.No.4-1225/2013/IRO/295-296-297 dated 22.04.2021
- The CTO has been granted to the project vide HSPCB letter dated 28.01.2020 upto 30.09.2024.
- The PP submitted the DD in favour of MS, SEIAA of Rs. 2.0 lakh as scrutiny fees.

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:

Table 1: Basic details

Name of the Project: Expansion cum modification of Group Housing Project planned at Village Palra, Sector 70-A, Gurugram, Haryana being developed by M/s Haamid Real Estate Pvt. Ltd.				
Sr. No.	Particulars	Existing	Expansion	Total Area
	Online Project Proposal Number	SIA/HR/MIS/61220/2021, Dated 11.09.2021		
1.	Latitude	28°23'07.3"N	-	28°23'07.3"N
2.	Longitude	77° 1'07.2"E	-	77° 1'07.2"E

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3.	Plot Area	1,10,180.75 m ² (27.4713 acres)	1,982.958 (0.245 Acre)	1,12,163.708 m ² (27.7163 acres)
4.	Net Plot Area	-	-	1,11,164.313 m ² (27.4693 acres)
5.	Proposed Ground Coverage	-	-	14,191.294 m ² (12.766%)
6.	Proposed FAR	-	-	1,94,923.112 m ²
7.	Non FAR Area	-	-	1,15,284.376 m ²
8.	Total Built Up area	3,17,717 m ²	-7,509.512 m ²	3,10,207.488 m ²
9.	Total Green Area with Percentage	33,349.29 m ² (30% of net plot area)	NIL	33,349.29 m ² (30% of net plot area)
10.	Rain Water Harvesting Pits	22 Nos.	+5 Nos.	27 Nos.
11.	STP Capacity	1030 KLD	+350 KLD	1380 KLD (400 KLD+550 KLD+120 KLD+150 KLD+160 KLD)
12.	Total Parking	2119 ECS	+361 ECS	2480 ECS
13.	Organic Waste Converter	-	-	3,650 Kg/day (4x250 Kg/day+ 5x500 + 1 x 150 Kg/day)
14.	Maximum Height of the Building (till terrace)	120 meter	NIL	120 meter
15.	Power Requirement	9,302 kVA	+4,061.17 kVA	13,363.17 kVA
16.	Power Backup	-	-	10 no. of DG sets having total capacity of 4,562 KVA i.e. (3x500 kVA + 250 kVA + 62 kVA + 1500 kVA + 750 kVA + 100 kVA + 40 kVA+ 360 kVA)
17.	Total Water Requirement	1120 KLD	+293 KLD	1413 KLD
18.	Domestic Water Requirement	645 KLD	+172 KLD	817 KLD
19.	Fresh Water Requirement	645 KLD	+172 KLD	817 KLD
20.	Treated Water	475 KLD	+121KLD	596 KLD
21.	Waste Water Generated	792 KLD	+293 KLD	1085 KLD
22.	Solid Waste Generated	3314.15 kg/day	+1751.85 kg/day	5066 kg/day
23.	Biodegradable Waste	-	-	3,040 kg/day
24.	Number of Towers	-	-	11 nos
25.	Dwelling Units	1430	+4	1434
	EWS Unit	252	+1	253
	Servant Room	143	NIL	143
26.	Salable Units	-	-	-
27.	Basement	-	-	2 nos
28.	Community Center	-	-	1266.322 sqm

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	Primary School			753.285 sqm
	Nursery School			417.122 sqm
	Convenient Shopping	-	-	397.892 sqm
29.	Stories	-	-	G+30 Floors
30.	R+U Value of Material used (Glass)	--	-	U Value: 5.5 w/sqm k SHGC: 0.9
31.	Total Cost of the project:	i) Land Cost	--	480 Cr.
		ii) Construction Cost	-	
32.	EMP Cost/Budget	--	--	Total Project Cost 480 Cr EMP (5% of Project Cost) :2400 Lakh
33.	Incremental Load in respect of:	--	--	0.00063 µg/m ³
	i) PM 2.5	--	--	
	ii) PM 10	--	--	0.00156 µg/m ³
	iii) SO ₂	--	--	0.04622 µg/m ³
	iv) NO ₂	--	--	0.0181 µg/m ³
	v) CO	--	--	0.0000021 mg/m ³
34.	Construction Phase:	i) Power Back-up	--	Temporary Connection
		ii) Water Requirement & Source	--	GMDA+ STP WATER (STP PLANT)
		iii) STP (Modular)	--	5 KLD
		iv) Anti-Smoke Gun	--	1

Table 2: Environment Management Plan

Existing Phase

Description	Expense done (Lakhs) (2013 to till now)
Waste Water Management (STP)	43.224
Solid Waste Management	21.599
Rain Water Harvesting System (22 Pits)	146.126
Storm Water Drainage System	164.285
Landscaping/ maintenance of Green Area	884.208
Monitoring for Air, Water, Stack, emission & Noise	10.031
DG set Stack	0.225
Total	1269.698 lakhs

Expansion Phase or proposed/balance construction to be done

Description	During Construction Phase		Description	During Operation Phase	
	Capital Cost	Recurring Cost		Capital Cost	Recurring Cost
	(Lakhs)	(Lakhs for 3 Year)		(Lakhs)	(Lakhs for 10 Year)
Sanitation and Waste Water Management (Modular STP)	5.00	4.00	Waste Water Management (Sewage Treatment Plant)	80.00	480.00
Green Belt Development	25.00	5.00	Green Belt Development	10.00	90.00
Air, Noise, Soil, Water Monitoring	0.00	15.00	Monitoring for Air, Water, Noise & Soil	00.00	20.00
Rainwater harvesting system (5 Pits)	10.00	4.00	Rainwater harvesting system	00.00	25.00
PPE for workers & Health Care	10.00	15.00	Solid Waste Management (Dust bins & OWC)	60.00	130.00
Medical cum First Aid facility (Providing medical room & Doctor)	20.00	30.00	DG set Stack	40.00	28.00
			Providing Desktop in the nearby existing village	25.00	0.00
Total	70 Lakhs	73 Lakhs		215 Lakhs	773 Lakhs

Table 3: Status of construction

S. No.	Description		
		Casting of Slab	OC Obtained
1.	N1 & N2	100%	Obtained
2.	N3 & N4	100%	Obtained
3.	N5	100%	Obtained
4.	N6 & N7	100%	Obtained
5.	M1	100%	Obtained
6.	M2	100%	Obtained
7.	AS1	100%	Obtained
8.	AS2	100%	Obtained
9.	AS3	100%	Obtained
10.	E	100%	Obtained
11.	Z1	100%	Completed

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12.	Z2	up to 5 th floor	In progress
13.	CR1	up to 14 th floor	Completed
14.	CR2	--	In progress
15.	EWS	100%	Completed
16.	Guard Room	100%	Obtained
17.	Convenient Shopping	100%	Obtained
18.	Community Building (1& 2)	100%	Obtained
19.	Primary School	100%	Obtained
20.	Nursery School	--	In progress

The discussion was held on Aravalli NOC, Forest NOC, RWH details, STP details, Green plan, revised tangible etc. and was asked to submit the copy of DD of scrutiny fees submitted for the project,

1. The PP shall submit the self-contained note on the project, status of project etc.
2. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project
3. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
4. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
5. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".
6. That there would be no decrease in Green area as stated in Accorded EC.
7. That before coming to operation, Project Proponent will ensure that all permissions & connections pertaining to Electricity & Sewage discharge are in place.

The PP submitted the copy of DD of scrutiny fees, reply, Affidavits along with self-contained note as given below:-

- *We have obtained Environment Clearance on dated: 04.09.2013 through vide letter no. SEIAA/HR/2013/627 for Built-up area of 3,17,717 sqm and Plot area of 27.4713. acres*
- *We have added additional land measuring area of 0.245 acre in our existing Plot area.*
- *We have applied for Environmental Clearance of Expansion cum modification of Group Housing Project planned at village Palra, Sector 70-A, Gurugram, Haryana is being developed by M/s Haamid Real Estate Pvt Ltd for Built-up area of 3,10,207.488 sqm and Plot area of 27.7163. acres*
- *The Land which has been added falls under HUDA Service Road and there is no development activity planned at that part.*
- *We have not done CER activity till now. We will undertake CER activity in next three years.*

After Deliberation, the committee rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

- 1) Sewage shall be treated in the STP on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening
- 2) The PP shall spent Rs.5Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan
- 3) The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
- 4) The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.
- 5) The PP shall not carry out any construct above and below revenue rasta if passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnue rasta. The PP shall put notice board on the revenue rasta for the passer byes.
- 6) The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- 7) The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- 8) Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
- 9) Traffic management plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
- 10) No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for

landscaping. As proposed 33,349.29 m²(30% of net plot area) shall be provided for Green Area development for whole project, excluding plot areas.

- 11) The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- 12) Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
- 13) The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
- 14) The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
- 15) The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the So₂ load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency
- 16) The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
- 17) The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
- 18) The PP shall obtain the permission regarding withdrawal of ground water, if any from HWRA/CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from HWRA/CGWA.
- 19) The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
- 20) 5 Rain water harvesting recharge pits shall be provided for ground water recharging in addition to existing 22 RWH as per the CGWB norms. Total 27 RWH pits will be provided
- 21) The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 27 RWH pits.
- 22) The PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible.
- 23) The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
- 24) Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory Compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- [2] The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- [3] The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- [4] The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- [5] The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water

(Prevention & Control of Pollution) Act, 1974 from the Haryana State Pollution Control Board.

- [6] The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.
- [7] A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- [8] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- [9] The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra lowsulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be ultra lowsulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central

- Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. All recharge should be limited to shallow aquifer.
- xiv. No ground water shall be used during construction phase of the project.
- xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvi. The quantity of fresh water usage, water recycling and rainwater harvesting shall be

- measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xvii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
 - xviii. No sewage or untreated effluent water would be discharged through storm water drains.
 - xix. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 - xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

IV Energy Conservation Measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof R & U-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local

- building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
 - vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

V Waste Management

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall 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.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VI Green Cover

- i. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii. A minimum of 1 tree (5' tall) for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive

- species should not be used for landscaping.
- iii. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

VIII Human Health Issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

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- i. The project proponent shall comply with the provisions of CER, as applicable.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

X Miscellaneous

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.

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- x. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.