

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB**

Ministry of Environment, Forest & Climate Change, Government of India

O/o Directorate of Environment & Climate Change

C/o PSCST, MGSIPA Complex,

Sector 26, Chandigarh-160019

Tele-0172-2792325

Fax- 0172-2793143

No. DECC/SEIAA/2019/628**REGISTERED****Date:** 13/08/19

To

Sh. Rajesh Sharma
M/s Vividha Infrastructure Pvt. Ltd
A-40A, Industrial Focal Point, Phase-VII Ext..
Mohali-160059

Subject: Amendment in Environmental Clearance under EIA Notification Dated 14.09.2006 for establishment of Integrated Industrial Estate namely "Super Mega Industrial Estate" located in the revenue estate of Village Chamaru & Mehtabgarh, Tehsil Rajpura, District Patiala.

This has reference to your application dated 06.08.2019 for the amendment in Environmental Clearance under EIA Notification Dated 14.09.2006 for establishment of Integrated Industrial Estate namely "Super Mega Industrial Estate" located in the revenue estate of Village Chamaru & Mehtabgarh, Tehsil Rajpura, and Distt- Patiala, Punjab submitted to the SEIAA, Punjab for grant of Environmental Clearance under the EIA notification dated 14.09.2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, EIA report and the additional clarifications furnished in response to the observations of the SEAC.

The SEAC, Punjab in its 183rd meeting held on 07.08.2019 after due consideration of the relevant documents submitted alongwith amended application, presentation given and additional clarification/ document furnished by the project proponent to it, has recommended the case to SEIAA for amendment in the environmental clearance earlier granted vide no SEIAA/2018/643 dated 24.05.2018 with certain conditions. The SEIAA, Punjab after considering the proposal and recommendation of SEAC, Punjab in its 152nd meeting held on 08/08/2018 decided to

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accept the recommendations of SEAC and approved the amendment in the earlier granted environmental clearance vide no SEIAA/2018/643 dated 24.05.2018 to M/s Vivdha Infrastructure Pvt. Ltd. for its project namely "Super Mega Industrial Estate located in the revenue estate of village Chmaru & Mehtabgarh, Tehsil Rajpura, Distt. Patiala, Punjab,

As decided by the SEIAA in its 152nd meeting held on 08.08.2019, environmental clearance granted vide letter no SEIAA/2018/643 dated 24.05.2018 to M/s Vivdha Infrastructure Pvt. Ltd. for its project namely "Super Mega Industrial Estate located in the revenue estate of village Chmaru & Mehtabgarh, Tehsil Rajpura, Distt. Patiala, Punjab,, is hereby amended as under:

- 1) The condition imposed in earlier granted EC to the project vide no./SEIAA/2018/643 dated 24/05/2018 i.e "only the projects covered under category 8(b) like warehousing etc will be allowed in the proposed project premises" stands deleted.
- 2) No industry covered under Category "A"/ "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time) except category 8 (a) and 8(b), shall be allowed to establish. Whereas other industries (not covered in the EIA notification, 2006), although categorised as Red, Orange, Green and White as per the PPCB classification are allowed to be established.
- 3) As agreed by the project proponent vide undertaking dated 07/08/2019, the project proponent shall comply with following:-
 - i) No water intensive industry like water packaging, dying, tannery, distillery etc. shall be established. Moreover, the lesser intensive units shall also have Zero Liquid Discharge Treatment based Technology. Hence, there will be no trade/industrial effluent discharge from the industries.
 - ii) Only freshwater for drinking and domestic requirement of individual industry or project will be supplied by the project proponent. However, to meet with the freshwater requirement of each industry/ project, every project will make their own arrangements and shall individually obtain permission from the CGWA/ other competent authority.
 - iii) Individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.
 - iv) The project proponent shall provide piezometers at the project site as per the CGWA guidelines.
 - v) Each individual industry or project will obtain mandatory permissions like consent to establish/ operate and authorization under the pollution control laws from the Punjab Pollution Control Board.

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- vi) All industries will adopt proper and adequate treatment arrangements to control the fuel burning and process emissions. Also, the DG sets shall be equipped with canopies.
 - vii) No severely Air Polluting industry like cement grinding units, Induction (more than 500 kgs/ heat)/ Electric ARC steel furnaces/ Cupola furnaces/ Reheating Rolling Mills, Brick Kilns, Salla Plants, Dying, Packaged Drinking water/ soft drink/ beverages units , tannery, distillery, pharmaceutical etc. shall be allowed to be set up in the project. Only lesser Air Polluting having electric heating or cleaner fuels like LPG, CNG, boiler (not more than 2 ton/hr steam generation capacity) and other furnaces having only liquid fuel or solid fuel (Lesser than 150 Kg/hr consumption) shall be allowed to be set up.
 - viii) Not more than 100 acres out of 255.28 acres be earmarked for the Red & Orange category of industries.
 - ix) As per the conditions stipulated in the CLU, minimum 100 m green belt or the distance prescribed by the Archaeological Department, whichever is more, around the Kos Minar (historic monuments located in the project site) shall be provided. Further, all the conditions of the Archaeological Survey of India/ any other competent authority in this regard w.r.t the construction activities/ establishment of polluting industries shall be complied with.
 - x) The project proponent shall carry out the CER activities w.r.t OM dated 01.05.2018 as per the proposal submitted.
 - xi) The project proponent shall make arrangement to store chemicals at adequate height, in consultation with Drainage Division, Department of Irrigation, Punjab, so that there is no chance of leaching or contamination of soil and ground water. This condition will also be incorporated in the allotment letter.
- 4) Green belt in the industrial pocket reserved for polluting industries, shall be developed in an area of 33% of the area earmarked for such activities. For rest of the area, the guidelines for green belt as approved by the competent authority approving layout plan, shall be applicable.
- 5) The project proponent shall incorporate all the above conditions in the allotment letter to be issued to the individual plot owners for ensuring compliance.
- 6) The project proponent shall comply with the commitment made in the proposal for CER activities and shall minimum amount of Rs. 2.5 crores towards following CER activities. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

Sr. No.	Activities	Total Expenditure in 5 Years (in crores)
1.	Adoption of Village Chamaru <ul style="list-style-type: none"> • Proper sanitation facility • Treatment of wastewater collected in village pond • Maintenance of pond • Outdoor gym around pond 	1.25
2.	Adoption of Village Mehtabgarh <ul style="list-style-type: none"> • Proper sanitation facility • Treatment of wastewater collected in village pond • Maintenance of pond • Outdoor gym around pond 	1.25

This letter must remain appended with the original letter no. SEIAA/2018/643 dated 24.05.2018 vide which environmental clearance has been granted to M/s Vivdha Infrastructure Pvt. Ltd. for its project namely "Super Mega Industrial Estate located in the revenue estate of village Chmaru & Mehtabgarh, Tehsil Rajpura, Distt. Patiala, Punjab

Endst. No. _____

Registered


Member Secretary
Date _____

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, Patiala.
6. The Additional Principal Conservator of Forests (C), Ministry of Environment, Forests & Climate Change, Northern Regional Office, Bays No. 24-25, Sector-31-A, Chandigarh.

7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
8. The Joint Director, Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant : Sh. Rajesh Sharma, COO of the promoter Company
 - b) Phone Number : 0172-5097766
 - c) Email Id : rsharma@quarkcity.com
9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110003.
10. The Director, Directorate of Environment & Climate Change w.r.t his office letter no. SPL/PA/101 dated 06.08.2019.


Member Secretary



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment, Forest and Climate change, New Delhi

O/O Punjab Pollution Control Board,

VatavaranBhawan, Nabha Road,

Patiala – 147 001

Telefax:- 0175-2215636

No. SEIAA/2018/643

REGISTERED

Date: 24.05.2018

To

Sh. A. Singh Rathore,
M/s Vividha Infrastructure Pvt. Limited,
A-40A, Industrial Focal Point, Phase-VIII Extn.,
Mohali-160059
Mob.No. 0172-5097766

Subject: Environmental Clearance under EIA notification dated 14.09.2006 for establishment of Integrated Industrial Estates namely "Super Mega Industrial Estate" in the revenue estate of Village Chamaru & Mehtabgarh, Tehsil Rajpura, Distt. Patiala by M/s Vividha Infrastructure Pvt Limited (Proposal No. SIA/ PB/ NCP/ 17956 /2016)

This has reference to your online Proposal No. SIA/PB/NCP/17956/2016 submitted to the SEIAA for grant of Environmental Clearance for the above project under EIA notification dated 14.09.2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan, EIA Report and the additional clarifications furnished in response to the observations of the SEAC.

Brief details of the project

1.	Category/Item No. (in schedule)	8(b): Township & Area development project. No industry either Category "A" or "B" covered under the Schedule I of the EIA Notification, 14.09.2006 Notification, 2006 will be allowed in the proposed project premises. Only the projects covered under category 8-B like warehousing etc will be allowed.
2.	Name and Location of the	Industrial Mega Project, Village Chamaru &

	project	Mehtabgarh, Tehsil Rajpura, Distt. Patiala																																			
3.	Cost of the project	Rs. 170 crore																																			
4.	Total Plot area, Built-up Area and Green area	The details of the area development project is as under: <table><tr><th>S. No</th><th>Particulars</th><th>Area (Acres)</th></tr><tr><td>1.</td><td>Land area</td><td>255.28 acres</td></tr><tr><td>2.</td><td>Area Under Plots</td><td>138.879 acres (54.40%)</td></tr><tr><td>3.</td><td>Area For Green</td><td>18.11 acres (7.09%)</td></tr><tr><td>4.</td><td>Area Under Recreation</td><td>18.073 acres (7.08%)</td></tr><tr><td>5</td><td>School Site</td><td>10.397 acres (4.07%)</td></tr><tr><td>6</td><td>Dispensary</td><td>6.943 acres (2.72%)</td></tr><tr><td>7</td><td>Industrial Training Centre</td><td>7.033 acres (2.75%)</td></tr><tr><td>8</td><td>Exhibition Area Cum Parking</td><td>6.965 acres (2.73%)</td></tr><tr><td>9</td><td>Road & Paved</td><td>33.159 acres (12.99%)</td></tr><tr><td>10</td><td>Open Service Area</td><td>15.721 acres (6.16%)</td></tr></table>			S. No	Particulars	Area (Acres)	1.	Land area	255.28 acres	2.	Area Under Plots	138.879 acres (54.40%)	3.	Area For Green	18.11 acres (7.09%)	4.	Area Under Recreation	18.073 acres (7.08%)	5	School Site	10.397 acres (4.07%)	6	Dispensary	6.943 acres (2.72%)	7	Industrial Training Centre	7.033 acres (2.75%)	8	Exhibition Area Cum Parking	6.965 acres (2.73%)	9	Road & Paved	33.159 acres (12.99%)	10	Open Service Area	15.721 acres (6.16%)
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5.	Population	Industrial population of 13900 Persons. Recreational centre/School / Training Center & Industrial Exhibition Population of 5003 Persons																																			
6.	Water Requirements & source	<table><tr><th>Break up of water requirement</th><th>Source</th></tr><tr><td>Total: 1128 KLD Domestic:700 KLD Fresh: 624 KLD</td><td>- Ground Water 280 KLD domestic + 344 KLD for green area when rain harvested water is not available</td></tr></table>	Break up of water requirement	Source	Total: 1128 KLD Domestic:700 KLD Fresh: 624 KLD	- Ground Water 280 KLD domestic + 344 KLD for green area when rain harvested water is not available																															
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		Flushing: 420 KLD Green Area: 428 KLD	Reuse after treatment 84 KLD treated waste water +344 KLD Rain Harvested/ fresh water in an area on 19.23 acres
7.	Disposal Arrangement of Waste water	Total = 560 KLD at inlet of STP & 504 KLD at outlet of STP. SBR technology based STP of capacity 600.00 M ³ /day(Modules of 250 KLD+250 KLD & 100 KLD) will be provided and 420 KLD treated domestic water will be utilized for flushing and 84 KLD onto land for plantation	
8.	Rain water harvesting detail	Adequate rainwater harvesting will be provided. Total 7825 KLD (three tanks of 2625 KLD each) will be provided for collection of rain water. Artificial recharging will be carried out for the storm water with the help of Artificial Recharge Tanks (five in nos) with Raw Earthen Base.	
9.	Solid waste generation and its disposal	3000 kg/day Solid wastes will be appropriately segregated (at source by providing bins) into Bio-degradable Components, recyclable, and non-compostable components. Mechanical composter will be provided for the Bio-degradable components. The recyclable fraction will be send directly to recyclers and remaining waste will be disposed of through MC, Rajpura. Waste construction material will be recycled and excess construction debris will be disposed at designated places in tune with the local norms. Dewatered /dried sludge from STP will be used as manure	
10	Hazardous Waste	Used oil from DG sets will be sold to registered recyclers	
11.	Energy Requirements & Saving	2.5 MW from State Grid. Solar lights will be provided for street	

		lighting i.e. Solar cell powered street lights, CFL/LED Lamps will also be used. Total 300 KWh/day of energy will be saved through use of said energy.												
12.	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	<p>Environment Management Cell will be responsible for implementation of the Environment Management Plan</p> <table border="1"> <thead> <tr> <th>Description</th><th>Capital Cost in lacs</th><th>Recurring Cost in lacs (per annum)</th></tr> </thead> <tbody> <tr> <td>Construction</td><td>289 lacs</td><td>14.5 lacs</td></tr> <tr> <td>Operation</td><td>-</td><td>17.5 lacs</td></tr> <tr> <td>Monitoring of Air, Noise water in both phases.</td><td>Rs. 1.4 lacs.</td><td>Rs. 0.80 lacs</td></tr> </tbody> </table>	Description	Capital Cost in lacs	Recurring Cost in lacs (per annum)	Construction	289 lacs	14.5 lacs	Operation	-	17.5 lacs	Monitoring of Air, Noise water in both phases.	Rs. 1.4 lacs.	Rs. 0.80 lacs
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13.	CSR activities alongwith budgetary break up and responsibility to implement	Rs. 45 lacs shall be spent for water distribution and borwell at village Choti Bari Nangal near Mullanpur (Chandigarh) & Rs. 5,00,000/- shall be deposited with Punjab Zoo Development Society and Rs. 50,00,000/- (Rupees fifty lakh only) for activities related to control of Air / Water/ Soil Pollution or any other environment protection activity will be submitted to PPCB Fund. Environment Management Cell will be responsible for implementation.												

The SEAC, Punjab in its 164th meeting held on 10.04.2018 after due considerations of the relevant documents submitted, presentation given and additional clarifications / documents furnished by the project proponent to it has recommended the case for environmental clearance with certain stipulations The SEIAA, Punjab after considering the proposal and recommendations of the SEAC Punjab in its 131st meeting held on 04.05.2018, hereby accord Environmental Clearance to the project as per the provisions of Environment Impact Assessment Notification 2006 and its subsequent amendments , subject to strict compliance of the terms and conditions as follows:-

PART-A – Conditions common for all the three phases i.e. Pre-Construction

Phase, Construction Phase and Operation Phase & Entire Life:

- (i) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (ii) A first aid room will be provided in the project both during construction and operation phase of the project.
- (iii) Construction of the STP, solid waste, e-waste, hazardous waste, storage facilities tubewell, DG Sets, Utilities etc, earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
- (iv) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- (v) Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the MoEF&CC guidelines and all the mitigation measures should be taken to bring down the levels within the prescribed standards.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- (vii) The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.
- (viii) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.
- (ix) The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on 1st June and 1st December of each calendar year.

- (x) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.
- (xi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- (xii) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.
- (xiii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, SEIAA, Punjab the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels for all the parameters of NAAQM standards shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xiv) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.
- (xv) The unpaved area shall be more than or equal to 20% of the recreational open spaces.
- (xvi) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.

PART-B – Specific Conditions:

I. Pre-Construction Phase

- (i) "Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- (ii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

- (iii) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning.
- (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, disposal of waste water & solid waste in an environmentally sound manner, 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) All the industrial units inside the project shall be Zero Effluent Discharge units. A condition shall be imposed in the agreement to be made with the prospective unit occupants / buyers at the time of allotment of plots clearly stating Zero Effluent Discharge (ZLD) shall be maintained by individual industrial unit allotted the plots in the industrial estate.
- (vi) No industry covered under Schedule I of the EIA Notification, 14.09.2006, either Category "A" or "B" will be allowed in the proposed project premises. Only the projects covered under Category 8-B like warehousing etc may be allowed.

II. Construction Phase:

- (i) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (ii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.
- (iii) Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.
- (iv) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air emission standards.
- (v) The project proponent shall use only treated sewage/wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.
- (vi) Fly ash based construction material should be used in the construction as per

the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 and notification No. S.O. 2804 (E) dated 03.11.2009.

- (vii) Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- (viii) Adequate treatment facility for drinking water shall be provided, if required.
- (ix) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc.
- (x) The project proponent will provide dual plumbing system for reuse of treated wastewater for flushing/ HVAC purposes etc. and colour coding of different pipe lines carrying water/wastewater/ treated wastewater as follows:
 - a. Fresh water : Blue
 - b. Untreated wastewater : Black
 - c. Treated wastewater : Green
(for reuse)
 - d. Storm water : Orange
- (xi) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.
- (xiii) **(a)** Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code and National Building Code, 2005 on Energy conservation.
(b) Solar power plant by utilizing atleast 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also, solar lights shall be provided as proposed for illumination of common areas.
- (xiv) The diesel generator sets to be used during construction phase should conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.
- (xv) Separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

- (xvi) Artificial Recharge Tanks (minimum 5 tanks with Raw Earthen Base as proposed) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.
- (xvii) (a) Green belt of adequate width as proposed shall be provided so as to achieve attenuation factor conforming to the day & night standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.
- (b) A green buffer of 15 m width with suitable variety of plants in consultation with the experts, shall be provided all around the Cosminar, a historical monument, existing within the project site as proposed in the EIA.

III. Operation Phase and Entire Life

- i) "Consent to operate" shall be obtained from Punjab Pollution Control Board under Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority at the time of start of operation. Every individual industrial unit established in the industrial estate shall obtain separate CTE/CTO under Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981 from Punjab Pollution Control Board.
- ii) The total water requirement for domestic purposes in the project will be 700 KL/day (excluding green area requirement), out of which 280 KL /day shall be met through own tubewell and remaining 420 KL/day through recycling of treated wastewater.
- iii) a) The total wastewater generation from the project will be 560 KL/day, which will be treated in SBR technology based STP of capacity 600 KL/day (Modules of 250 KLD+250 KLD&100 KLD) to be installed within the project premises. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below: -

Season	Reuse for flushing(KLD)	For irrigation purposes (KLD)	Discharge into sewer (KLD)
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Summer	420	84	0
Winter	420	84	0
Rainy	420	84 (storage to be used for green area subsequently)	0

- iv) The project proponent shall ensure safe drinking water supply to the habitants.
- v) A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.
- vi) Rainwater harvesting/recharging systems shall be operated and maintained properly as per CGWA guidelines.
- vii) The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized recyclers for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composter with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.
- viii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board. Every individual industrial unit established in the industrial estate shall obtain separate authorization under HWM Rules, 2016 from Punjab Pollution Control Board
- ix) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- x) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- xi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.
- xii) Solar power plant and other solar energy related equipments shall be operated and maintained properly.
- xiii) A report on the energy conservation measures conforming to energy

conservation norms should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.

PART C – General Conditions:

I. Pre-Construction Phase

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.
- iii) The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(s) exist at site.
- iv) The Project Proponent shall comply with the conditions of CLU granted vide no. PBIP/STP/2016/658 dated 19.09.2016 by PBIP, Punjab.
- v) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

II. Construction Phase

- i) The project proponent shall adhere to the commitments made in the Environment Management Plan for the construction phase and Corporate Social Responsibility and shall spend minimum amount of Rs. 289 Lacs towards capital investment, Rs. 14.5 Lacs/annum towards recurring expenditure and Rs. 1 crore towards CSR activities as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.

III. Operation Phase and Entire Life

- i) **a)** The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. The project proponent shall

spend minimum amount of Rs. 17.5 Lacs/annum towards recurring expenditure as proposed in the EMP.

- ii) The project proponent shall adhere to the commitments made in the proposal for CSR activities and shall spend a minimum amount of Rs. 1 crore towards following CSR activities:
 - a. Rs. 45 lacs shall be spent for water distribution and borwell at village Choti Bari Nangal near Mullanpur (Chandigarh) & Rs. 5,00,000/- shall be deposited with Punjab Zoo Development Society.
 - b. Rs. 50 Lacs shall be deposited in the Environmental Protection Fund of the PPCB for activities related to control of Air / Water/ Soil Pollution or any other environment protection activity.
- iii) The diesel generator sets to be provided shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken upto 3 m above the building.

Sd/-

Member Secretary

Endst. No. SEIAA/ Pb /2018/ 644-651

24.05.2018

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110 003.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, Patiala
6. The Additional Principal Conservator of Forests (C), Ministry of Environment, Forest & Climate Change, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:

- a) Name of the applicant : Sh. A. Singh Rathore, Liaison Officer
b) Contact no. : 01725027017

7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
8. The Monitoring Cell, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110003.

Sd/-

Member Secretary