

**SIX MONTHLY COMPLIANCE REPORT
(Period ending 30.09.2021)**

**Chandigarh University
Village- Gharuan and Mamupur,
Tehsil Kharar, S.A.S Nagar(Mohali), Punjab**

**Project By:
M/s. Chandigarh Educational Trust
#2368, Phase-10,
S.A.S Nagar (Mohali), Punjab**

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**Ministry of Environment, Forest & Climate Change
Northern Regional Office, Chandigarh 160030**

Project Details

1.	Project Type	Educational Institute		
2.	Name of the Project	Chandigarh University		
3.	Details of Environmental Clearance	Environmental Clearance has been obtained vide Letter No. SEIAA/2825 dated 28.06.2016. Copy of the EC letter is enclosed as Annexure 1.		
4.	Location	Village Gharuan and Mamupur, Tehsil Kharar		
a)	District	S.A.S. Nagar (Mohali)		
b)	State	Punjab		
5.	Address for correspondence	M/s Chandigarh Educational Trust #2368, Phase-10 S.A.S. Nagar (Mohali), Punjab.		
6.	Salient features			
a)	Project	As per the Environment Clearance, the total land area of the project is 2,27,457.61 sq.m. and total built up area of the project is 2,28,557.84 sq.m.		
b)	Environmental Aspects	<p>As per the Environment Clearance, total water requirement for the project is 1,530 KLD; out of which 1,130 KLD is being met from tubewells and 400 KLD is met through recycling of treated wastewater.</p> <p>The total wastewater generation from the project is 1,224 KLD which is treated in a STP of capacity 1,500 KLD installed within the project premises.</p> <p>The total quantity of solid waste generated from the project is 6,200 kg/day which is segregated at source as biodegradable and non-biodegradable components.</p>		
7.	Financial details			
a)	Project cost as originally planned and subsequent revised estimates	Originally planned: Rs. 72.20 Crores Revised estimate: Rs. 74.55 Crores (2021)		
b)	Allocations made for environmental management please with item wise and year of assessment.	The details of the environmental management plan is given below:		
		S. No.	Title	Capital Cost (in lakhs)
				Recurring Cost (in lakhs)

		1.	Air Pollution Control	10	0.75
		2.	Water pollution control/ STP	450	30
		3.	Noise Pollution Control (Including cost of landscaping & green belt)	300	5.0
		4.	Solid waste management	5	2.0
		5.	Environment Monitoring and Management	6	1.8
		6.	RWH	42	3.0
		7.	Miscellaneous (appointment of Consultants, management of environment cell, consent fees)	35 (including the consent fees)	3.5
		Total		848	46.05
8.	Status of the project	Project is in operational phase; since April 2017.			

Compliance of Common Conditions for all the three phases i.e. Pre-Construction Phase, Construction Phase and Operation Phase

Part A-:

S. No.	Condition	Reply
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.	Agreed and No appeal filed.
ii.	Construction of the STP, solid waste, e-waste, hazardous waste, construction and demolition waste, storage facilities tube well, 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.	Agreed. All the utilities have been located at earmarked areas only as per the layout plan.
iii.	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.	Agreed. Environmental safeguards are being implemented in true spirit.
iv.	Ambient air & noise levels should confirm to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generation activities, water quality and soil should be periodically monitored during construction phase as well as operation and entire life phase as per the MoEF&CC guidelines and all the migration measures should be taken to bring down the levels within the prescribed standards.	Agreed. Ambient air, noise levels & ground water samples are being monitored on regular intervals. A copy of the recent sampling report is attached as <u>Annexure-2.</u>

v.	(a) 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 NWBL, if applicable.	Agreed. All the required approvals have been obtained from respective authorities as and when required.
	b) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire-fighting equipments etc. as per National Building Code including protection measures from lightning.	Agreed. All the necessary approvals already obtained.
vi.	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.	Agreed.
vii.	A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.	Agreed. Record is being maintained and made available in university campus, at all times.
viii.	The project proponent shall also submit half yearly compliance report 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&CC, the Zonal Office of CPCB, the	Agreed. Half yearly compliance report is being submitted to respective authority on half yearly basis. Postal receipt of last submitted six monthly compliance report for period ending 31.03.2021 is enclosed as <u>Annexure 3.</u>

	SPCB and SEIAA, Punjab on 1 st June and 1 st December of each calendar year.	
ix.	Officials from the regional office of Ministry and 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 Level Environment Impact Assessment Authority should be forwarded to APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.	Agreed. During visit of officials, full cooperation, facilities and documents/ data is being given to by the University.
x.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Level Environment Impact Assessment Authority, Punjab.	Agreed.
xi.	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.	Agreed.
xii.	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 standard shall be monitored and	Agreed. Environmental Clearance as well as compliance of EC conditions has been uploaded on the website of the University (www.cuchd.in/ppcb-report/report-1.pdf). A snapshot of the website of Chandigarh University is also attached herewith as <u>Annexure-4</u> .

	displayed at a convenient location near the main gate of the company in the public domain.	
xiii.	The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.	Agreed and complied with.
xiv.	The unpaved area shall be more than or equal to 20% of the recreational open spaces.	Agreed and complied with.
xv.	(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 premises should be suitably landscaped and covered with vegetation of indigenous species/ variety as per SEIAA guidelines. A minimum of one tree for every 80 sq.m. 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.	Agreed. 9 acres of organized green area is developed as per landscape plan in and along the boundary of the university using local flora. Further, 6.5 acres of land area has also been developed as per the Karnal Technology.

Part-B: Specific Conditions: Operational Phase & Entire Life:

S. No.	Condition	Reply																
i.	"Consent to Operate" shall be obtained from Punjab Pollution Control Board under Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment and Forests/ State Level Environment Impact Assessment Authority at the time of start of operation.	Agreed. Consent to Operate has been obtained from Punjab Pollution Control Board under Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974. Latest certificate from PPCB is attached as <u>Annexure 5.</u>																
ii.	The total water requirement for the project will be 1,530 KL/day, out of which 1,130 KL/day shall be met through own tube well and remaining 400 KL/day through recycling of treated wastewater.	Agreed. Application has been submitted to CGWA regarding seeking permission for ground water abstraction. However, as per the latest notification, ground water application for Punjab state will be processed by PWRDA. Thus, fresh application will be filled to PWRDA for seeking permission for ground water abstraction.																
iii.	<p>a) The total waste water generation from the project will be 1,224 KL/day, which shall be treated in existing STP of capacity 1,500 KL/day. As proposed, reuse of treated wastewater @ 1,200 KLD and discharge of surplus treated wastewater shall be as below:</p> <table border="1" data-bbox="337 1402 963 1728"> <thead> <tr> <th data-bbox="337 1402 493 1591">Season</th> <th data-bbox="493 1402 647 1591">Reuse for flushing (KLD)</th> <th data-bbox="647 1402 802 1591">For irrigation purposes (KLD)</th> <th data-bbox="802 1402 963 1591">Discharge into Plantation area (KLD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="337 1591 493 1633">Summer</td> <td data-bbox="493 1591 647 1633">400</td> <td data-bbox="647 1591 802 1633">104</td> <td data-bbox="802 1591 963 1633">696</td> </tr> <tr> <td data-bbox="337 1633 493 1675">Winter</td> <td data-bbox="493 1633 647 1675">400</td> <td data-bbox="647 1633 802 1675">34</td> <td data-bbox="802 1633 963 1675">766</td> </tr> <tr> <td data-bbox="337 1675 493 1728">Rainy</td> <td data-bbox="493 1675 647 1728">400</td> <td data-bbox="647 1675 802 1728">9</td> <td data-bbox="802 1675 963 1728">803</td> </tr> </tbody> </table>	Season	Reuse for flushing (KLD)	For irrigation purposes (KLD)	Discharge into Plantation area (KLD)	Summer	400	104	696	Winter	400	34	766	Rainy	400	9	803	Agreed. The total wastewater generation from the project will be 1,224 KL/day, which is being treated in STP of capacity 1,500 KL/day installed within the project. Copy of the recent effluent sampling carried out by PPCB is also attached in <u>Annexure-6</u>
Season	Reuse for flushing (KLD)	For irrigation purposes (KLD)	Discharge into Plantation area (KLD)															
Summer	400	104	696															
Winter	400	34	766															
Rainy	400	9	803															

	b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. The project proponent shall persuade nearby farmers to utilize the treated wastewater for irrigation purposes and make efforts to utilize the surplus treated wastewater for construction activities inside and outside the premises	Agreed. Treated water storage tank of adequate capacity has been provided and is being used for horticulture purpose within the project premises.
	c) The project proponent shall ensure that at least 1/3 rd of the treated waste water is utilized through the provisions of dual plumbing in future buildings as well as in the existing buildings as far as possible for flushing purposes.	Agreed. Dual plumbing system has been provided in the Girls Hostel new wing.
iv.	The project proponent shall ensure safe drinking water supply to the habitants.	Agreed. Safe drinking water supply is being provided. Copy of recent water quality test report attached along as <u>Annexure-2</u> above.
v.	The wastewater generated from swimming pool(s) shall not be discharged and the same will be reused within the premises for purposes such as horticulture, HAVC etc.	Agreed. Wastewater from swimming pools after treatment is being reused for horticulture purpose.
vi.	A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis shall maintain a record of readings of each such meter on daily basis.	Agreed. Water meters have been provided and daily record of readings is being maintained.
vii.	Rainwater harvesting/ recharging systems shall be operated and maintained properly as per CGWA guidelines.	Agreed. 7 Rain water recharging pits have been provided and are being maintained properly.
viii.	The facilities provided for collection, segregation, handling, on site storage and processing of solid waste such as wet and dry bins, collection center & mechanical composter etc. shall be properly maintained. The collected solid waste shall be aggregated at this site. The recyclable solid waste shall be sold out to the authorized vendors for which a	Agreed. The leftover food waste is lifted by private vendors. The recyclable waste is sold to local recyclers. Further, mechanical composter will be installed in the future.

	written tie-up must be done with the authorized recyclers. Organic waste shall be composed by mechanical composter with a minimum capacity of 0.3 kg/tenement/day and the inert solid waste shall be sent to the concerned collection center of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.	
ix.	Hazardous waste/ E-waste should be disposed off as per rules applicable, and with the necessary approval of the Punjab Pollution Control Board.	Agreed. Agreement has been done for disposal of E-Waste with authorized vendor.
x.	A first aid room shall be provided in the project premises.	Agreed. First aid room, dispensary, have been provided inside the project premises.
xi.	<p>a) 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.</p> <p>b) The project proponent shall implement the complete traffic management plan as proposed to ensure the smooth flow of traffic inside as well as outside the premises as under:-</p> <p>i) University shall maintain beacon lights provided on both sides of NH-95 at entry point in good condition all the times.</p> <p>ii) During Peak hours, University shall deploy minimum two supervisor and six traffic marshals at the entry point to monitor and control traffic.</p> <p>iii) The entry is from NH-95 and exit is from Gharuan - Mamupur Road; where again two traffic marshals shall be deployed at the exit point.</p>	<p>Agreed. Parking for two wheelers, four wheelers has been provided and no public place is used for the same.</p> <p>Agreed. Vehicular movement is being regulated inside the project premises with adequate roads and parking lots.</p> <p>i) Agreed, same is being complied.</p> <p>ii) Agreed & complying the same.</p> <p>iii) Agreed.</p>

xii.	The project proponent shall obtain completion and occupancy certificate from the competent Authority and submit a copy of the same to the SEIAA, Punjab.	Agreed.
xiii.	Solar power plant and other solar energy related equipments shall be operated and maintained properly. In addition to the existing solar energy utilization measures, the project proponent shall provide solar power plant of 1800KW as proposed. Thus, total campus shall be solar based in future with no usage of electricity from PSPCL.	Agreed and complied. Solar lights, solar street lights, solar geysers have been installed within the campus on rooftop.
xiv.	A report on the energy conservation measures confirming 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	Agreed.
xv.	Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Agreed. EMC has been constituted to look after the environmental issues of the university. EMC Hierarchy is enclosed as <u>Annexure 7.</u>

Part-C: General Conditions:**Operation Phase and Entire Life**

S. No.	Compliance	Reply
i.	a) The entire cost of the environmental management plan will continue to be borne by the project proponent. The project proponent shall spend minimum amount of Rs. 46.05 Lacs/ annum towards recurring expenditure as proposed in the EMP.	Agreed.
	b) The project proponent shall adhere to the commitments made in the proposal for CSR activities and shall spend a minimum amount of Rs. 72 lacs/ annum towards following CSR activities: <ul data-bbox="297 758 922 1125" style="list-style-type: none">• Charitable school for unprivileged members of society.• Neighborhood school Development program• Career counseling• Protection of Environment• Medical check-up and blood donation camps• Promotion of rural sports and overall health in local community	Agreed. The below mentioned CSR activities have been carried out from 1st March, 2021 to 30 th September 2021: <ul data-bbox="946 705 1429 1115" style="list-style-type: none">• Medical camps, Village Gharaun• Distribution of Sanitizers and masks in nearby villages• Langar service in nearby villages and sectors• Free stationary and refreshment distribution for needy students in nearby villages.• Further all activities as directed by District Administration from time to time, are also carried out.
ii.	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 set if installed must be minimum 10 m away; the exhaust pipe shall be taken upto 3 m above the building.	Agreed. DG sets conforming to the prescribed rules are being used in the Campus.