Date: December 17, 2023

The Joint Director (S)/Scientist-D
Ministry of Environment, Forest & Climate Change
Integrated Regional Office
Bays No. 24-25, Sector 31-A
CHANDIGARH.

SIR

Sub.: Submission of compliance of EC of "*The Eastern Park by Garav Basera", Ludhiana"*

We are developing a residential apartment complex "The Eastern Park by Garav basera" at Village Bholapur, Chandigarh Road, Tehsil & Distt. Ludhiana (Punjab).

The project was granted EC by the SEIAA, Punjab, (vide no. DECC/SEIAA/2020/1693 dated 29.07.2020).

As a part of the statutory requirement, please find enclosed six-monthly compliance report (July - December 2023), along with requisite annexures, of the EC of the project.

Hope your good office will find the same in order

With regards

For **Gaurav Land Developers & Colonisers Pvt. Ltd.**

(Authorised signatory)

SIX-MONTHLY ENVIRONMENTAL COMPLIANCE REPORT

(December 2023)

CONSTRUCTION OF RESIDENTIAL APARTMENT COMPLEX

"THE EASTERN PARK BY GARAV BASERA"

AT

Village Bholapur, Adjoining Garden City,

Chandigarh Road, Tehsil & District Ludhiana (Pb).

SUBMITTED BY:

M/S Gaurav Land Developers & Colonisers Pvt. Ltd.

Village Bholapur, Chandigarh Road, LUDHIANA (Pb.).

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Ministry of Environment and Forests
Integrated Regional Office, CHANDIGARH

DATA SHEET

1.	**Project type**	Construction Project
2.	**Name of the project**	**The Eastern Park by Garav Basera**
3.	**Clearance letter (S) O.M. No.& Date**	DECC/SEIAA/2020/1693 Dated 29/07/2020
4.	**Location**	
a)	**District(s)**	Ludhiana
b)	**State(s)**	Punjab
c)	**Latitude/Longitude**	• 30°53'07"N, 75°57'31.60"E • 30°53'07"N, 75°57'36.52"E • 30°52'59.32"N, 75°57'36.50"E • 30°52'59.32"N, 75°57'31.72"E
5.	Address for correspondence	Gaurav Land Developers & Colonizers Pvt. Ltd. Village Bholapur, Adjoining Garden City, Chandigarh Road, Ludhiana – 141123.
6.	**Salient Features**	
a)	**Of the project**	The project is a group housing (under affordable housing) apartment complex comprising of 1006 apartments (including convenient shops and play-way school), in an area of ~30935 m^2 (~7.641 acres) with total built-up area of ~95277.5 m^2.
b)	**Of the Environment Management Plans**	The basic details are;

Fresh water Demand	~460 m^3/day
Water source	groundwater
Wastewater Treatment	Proposed STP of capacity ~700 m^3/day
Solid waste	The total quantity of solid waste generation (MSW) will be ~2000 kg/day.

		Storm water management	8 recharge wells
		Solar energy	~230 kWp
7	**Break-up sof the project Area**		
a)	**Submergence area: Forest and Non-Forest**	Not applicable	
b)	**Others**	Not applicable	
8	**Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/land landless/artisans.**	No population has been affected as there was no inhabitation on the land.	
a)	**SC/ST/Adivasis**	Not applicable	
b)	**Others** **(please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. If a survey has been carried out give details and year of survey)**	Not applicable	
9	**Financial details**		
a)	**Project cost as originally planned and subsequent revised estimates and the year of price reference.**	Total cost of the project is about **₹ 93 crores.**	
b)	**Allocations made for environmental management with item wise and year of assessment.**	About ₹ 170 lacs will be incurred on account of capital cost and ~₹ 47 lacs will be incurred, annually, on account of operational phase for implementation of EMP.	
c)	**Benefit cost ratio/Internal rate of return and year of assessment.**	Will be submitted	
d)	**Whether (c) includes the cost of environmental management as shown in (b) above.**	Yes. The cost benefit ratio will be worked out considering the cost of environment, as well.	

e)	**Actual expenditure incurred on the project so far.**	~₹ 87.31 Crores
f)	**Actual Expenditure incurred on the EMP so far.**	~₹ 27.63 lacs.
10	**Forest lands requirements:**	
a)	**The status of approval for diversion of forest land for non-forestry use.**	The project does not involve any forest land or trees.
b)	**The status of clear felling, if any**	Nil
c)	**The status of compensatory afforestation, if any**	N.A.
d)	**Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far**	—
11	**The status of clear felling in no forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.**	Nil
12	**Status of Construction**	
a)	**Date of commencement (actual and/or planned)**	Aug. 20, 2020
b)	**Date of completion (actual and/or planned)**	The project is still in construction phase. The planned date of completion is July 2027.
13	**Reasons for the delay, if the project is yet to start:**	No delay

Compliance Report of the Environmental Clearance

(*No. DECC/SEIAA/2020/1693 dated 29.07.2020*)

I. STATUTORY COMPLIANCE		
i)	The project proponent shall obtain all necessary clearances/permissions 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.	All applicable statutory permissions needed till now obtained (refer *Annexure-I*).
ii)	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire-fighting equipment etc. as per National Building Code including protection measures from lightening etc.	The applicable safety features have been planned as per the provisions of the NBC. The permissions from the competent authorities have been obtained (refer *Annexure-I*).
iii)	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.	Not applicable.
iv)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable.
v)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.	CTE already obtained from the PPCB. CTOs shall be obtained when the project is ready for commissioning.
vi)	The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.	NOC obtained from the PWRDA for abstraction of ground water (refer *Annexure-I*).
vii)	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.	The PSPCL has provided NOC to the project for supply of requisite electrical power (refer *Annexure-I*).
viii)	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.	All applicable statutory permissions needed till now obtained (refer *Annexure-I*).
ix)	The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.	Agreed and undertake to ensure.

x)	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	The requisite provisions have been incorporated in project planning and design and selection of building material and components, in conformance with the applicable requirements and guidelines.
xi)	The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/town. For that, the project proponent shall either submit the NOC/land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.	The CLU permission obtained from the competent authority (refer *Annexure-I*).
xii)	Besides above, the project proponent shall also comply with siting criteria/ guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.	Understood and accepted.
xiii)	The project proponent shall get the layout plans approved from the Competent Authority for the activities/establishments to be set up at project site in consonance with the project proposal for which this environment clearance is applied.	The project has been accorded approval by the competent authority (refer *Annexure-I*).
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.	Adequate measures provided at site. Agreed and undertake to comply.
ii)	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Adequate measures provided at 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.	The ambient air quality is being monitored periodically through an approved laboratory.
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 low sulphur diesel should be ensured. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.	Adequately provided for.

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 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram, and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	All measures adequately provided.
vi)	No Excavation of soil shall be carried out without adequate dust mitigation measures in place.	Agreed and undertake to ensure.
vii)	No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.	Agreed and undertake to ensure.
viii)	No uncovered vehicles carrying construction material and waste shall be permitted.	Agreed and undertake to ensure.
ix)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Top soil adequately preserved for re-laying.
x)	Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.	All measures adequately provided.
xi)	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Agreed and undertake to ensure.
xii)	All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	Agreed and undertake to ensure.
xiii)	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to the standards as enumerated in the Environmental (Protection) Rules, 1986, as prescribed for air and noise emission.	Agreed and undertake to ensure.
xiv)	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. 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.	All measures adequately provided.

<table>
<tr><td>xv)</td><td>For indoor air quality the ventilation provisions as per National Building Code of India shall be followed.</td><td>Adequately incorporated in the project planning and design.</td></tr>
<tr><td>xvi)</td><td>Roads leading to or at construction site must be paved and blacktopped (i.e., metallic road)</td><td>Adequately provided.</td></tr>
<tr><td>xvii)</td><td>Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.</td><td>Adequately provided.</td></tr>
<tr><td>xviii)</td><td>Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.</td><td>Agreed and undertake to ensure.</td></tr>
<tr><td colspan="3">III. WATER QUALITY MONITORING AND PRESERVATION</td></tr>
<tr><td>i)</td><td>The natural drain system should be maintained for ensuring unrestricted flow of water.</td><td>Agreed and undertake to ensure.</td></tr>
<tr><td>ii)</td><td>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.</td><td>Understood and agreed.</td></tr>
<tr><td>iii)</td><td>Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.</td><td>Adequately incorporated in the project planning and design.</td></tr>
<tr><td>iv)</td><td>The total water requirement for the project will be 700 KLD, out of which 460 KLD shall be met through own tube well and remaining 240 KLD through recycling of treated waste water. Total fresh water use shall not exceed the proposed requirement as provided in the project details.</td><td>Agreed and undertake to ensure.</td></tr>
<tr><td>v)</td><td>a) The total wastewater generation from the project will be 530 KLD, which will be treated in STP of capacity @ 700 KLD on MBBR technology within the project premises. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as under;
<table>
<tr><th>S. No.</th><th>Season</th><th>For Flushing purposes (KLD)</th><th>Green Area (KLD)</th><th>Plantation area (9.256 acres) in addition to the green area adjoining to the project or Sewer* (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>200</td><td>40</td><td>290</td></tr>
</table></td><td>Understood and agreed. Undertake to ensure the compliance with the specified values.</td></tr>
</table>

	<table><tr><td>2.</td><td>Winter</td><td>200</td><td>20</td><td>310</td></tr><tr><td>3.</td><td>Rainy</td><td>200</td><td>10</td><td>320</td></tr></table> * Note: Surplus treated wastewater will be discharged into MC sewer as and when sewer connection is available with the project	
	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.	Agreed and undertake to comply.
	c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation	Adequate facility provided for management of domestic wastewater during construction phase.
vi)	The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.	Agreed and undertake to ensure.
vii)	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.	Agreed and undertake to ensure.
viii)	A certificate shall be obtained from the focal 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.	Ground water shall be used to meet fresh water requirement. NOC from the PWRDA for abstraction of groundwater obtained.
ix)	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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and bye-laws.
x)	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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.

xi)	The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.	Agreed and undertake to ensure.
xii)	The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system/ water less urinals/twin flush cisterns/sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans/building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
xiii)	The project proponent will provide plumbing system for reuse of treated wastewater for flushing/HVAC/other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources/treated wastewater as follows:	Agreed and undertake to ensure.
xiv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Adequately provided for.
xv)	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. Thus, 20 nos. of rain water harvesting recharge pits shall be provided for ground water recharging. 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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
xvi)	All recharge should be limited to shallow aquifer.	Agreed and undertake to ensure.
xvii)	No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.	Agreed and undertake to ensure.
xviii)	Any groundwater 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.	No dewatering of groundwater involved.

xix)	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.	Agreed and undertake to ensure.
xx)	Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in phased manner viz a viz in module system designed in such a way so as to efficiently treat the waste water with increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. No treated water shall be disposed of into municipal storm water drain.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
xxi)	No sewage or untreated effluent water would be discharged through storm water drains. 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.	Agreed and undertake to ensure.
xxii)	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Agreed and undertake to ensure.
xxiii)	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Agreed and undertake to ensure.
IV. NOISE MONITORING AND PREVENTION		
i)	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone 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.	Adequate measures implemented to contain noise levels within the applicable standards, in conformance with the applicable requirements and guidelines, during the construction phase.

ii)	Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.	Agreed and undertake to ensure.
iii)	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be provided as mitigation measures for noise impact due to ground sources.	Adequately provided.
V. ENERGY CONSERVATION MEASURES		
i)	Compliance with the Punjab Energy Conservation Building Code (PECBC) of Energy Efficiency shall be ensured.	Adequately incorporated in the project planning and design.
ii)	Outdoor and common area lighting shall be LED.	Agreed and undertake to ensure.
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 u-values shall be as per ECBC specifications.	Adequately incorporated in the project planning and design, and building material selection, in conformance with the applicable requirements and guidelines.
iv)	Energy conservation measures like installation of LEDs for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
v)	Solar, wind or any other Renewable Energy equipment shall be installed to meet electricity generation equivalent to at least 1% of the demand load or as per the state level/local building bye-laws requirement, whichever is higher.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
vi)	Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
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 MSW generated from project shall be obtained.	NOC obtained from the MC, Ludhiana, for handling of MSW during construction and operation phases (refer *Annexure-I*).

ii)	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Adequate measures provided to prevent any adverse effect.
iii)	Chute System, 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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines
iv)	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg/person/day must be installed for treatment and disposal of the waste.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines
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.	Agreed and undertake to ensure.
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.	Agreed and undertake to ensure.
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.	Adequately incorporated in the project planning and design, and selection of building materials, in conformance with the applicable requirements and guidelines.
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.	Adequately incorporated in the project planning and design, and selection of building materials, in conformance with the applicable requirements and guidelines.
ix)	Any wastes from construction and demolition activities related thereto shall be managed in such a way so as to strictly conform to the Construction and Demolition Rules, 2016.	Adequate measures provided for management and handling of C&D wastes.
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.	Agreed and undertake to ensure.

VII. GREEN `COVER		
i)	No tree shall be felled/transplanted unless extreme 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).	Agreed and undertake to ensure.
ii)	At least single line plantation all around the boundary of the project as proposed shall be provided. 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 total project land should be planted, maintained and established. 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. The plantation should be provided as per SEIAA guidelines.	Plantation and landscaping adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
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.	Agreed and undertake to ensure.
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.	Top soil being suitably preserved at site for reuse.
v)	The project proponent shall not use any chemical fertilizer/pesticides/insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.	Agreed and undertake to ensure.
vi)	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.	Understood and agreed.

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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
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 and be operated only during non-peak hours.	Being complied and undertake to ensure in future.
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 km 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 km 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 PWD/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.	Understood and agreed.
iv)	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.	Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.
IX. HUMAN HELATH 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.	Adequate PPE is provided to all the site workers/staff.

<table>
<tr><td>ii)</td><td>For indoor air quality the ventilation provisions as per National Building Code of India shall be strictly followed.</td><td>Adequately incorporated in the project planning and design, in conformance with the applicable requirements and guidelines.</td></tr>
<tr><td>iii)</td><td>Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary Infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</td><td>Adequate measures planned and implemented.</td></tr>
<tr><td>iv)</td><td>Occupational health surveillance of the workers shall be done on a regular basis.</td><td>Agreed and undertake to ensure.</td></tr>
<tr><td>v)</td><td>A First Aid Room shall be provided in the project both during construction and operations of the project.</td><td>Adequately provided.</td></tr>
<tr><td colspan="3">X. CORPORATE ENVIRONMENTAL RESPONSIBILITY</td></tr>
<tr><td>i)</td><td>The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 58,00,000/- towards following CER activities:
<table>
<tr><th></th><th>Proposed CSER activity</th><th>Amount (INR)</th><th>Likely Date of Completion</th></tr>
<tr><td>1.</td><td>General</td><td></td><td></td></tr>
<tr><td></td><td>1) Medical/Healthcare Support</td><td>300000</td><td>December, 2022</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>2.</td><td>Village Bholapur</td><td></td><td></td></tr>
<tr><td></td><td>1) Street Lighting 50Nos.</td><td>350000</td><td>Already Done</td></tr>
<tr><td></td><td>2) Plantation of trees with tree guards 100 Nos</td><td>100000</td><td>December, 2020</td></tr>
<tr><td></td><td>3) Renovation of Village Pond</td><td>8000000</td><td>December, 2023</td></tr>
<tr><td></td><td>4) Toilets for Girls in Govt, School</td><td>400000</td><td>December, 2021</td></tr>
<tr><td></td><td>5) Installation of colour coded waste bins 50 Sets</td><td>150000</td><td>December, 2020</td></tr>
<tr><td></td><td>6) Carpeting of Access road to Vill. Bholapur (60ft X 1Km)</td><td>2000000</td><td>Already Done</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>3.</td><td>Village Jhabewal</td><td></td><td></td></tr>
<tr><td></td><td>1) Solar Street Lighting 20 Nos.</td><td>300000</td><td>December, 2021</td></tr>
<tr><td></td><td>2) Audio visual equipment for Smart Class in Govt. School</td><td>150000</td><td>December, 2020</td></tr>
<tr><td></td><td>3) Tree plantation with tree guards 50 Nos.</td><td>50000</td><td>December, 2020</td></tr>
<tr><td></td><td>4) Colour coded waste bins 50 Sets</td><td>150000</td><td>December, 2020</td></tr>
<tr><td></td><td>5) Furniture for Govt. School</td><td>200000</td><td>December, 2022</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>4.</td><td>Village Shahbana</td><td></td><td></td></tr>
<tr><td></td><td>1) Solar Street Lighting 20 Nos.</td><td>300000</td><td>December, 2021</td></tr>
<tr><td></td><td>2) Toilets for girls in Govt. School</td><td>400000</td><td>December, 2023</td></tr>
<tr><td></td><td>3) Colour coded waste bins 50 Sets</td><td>150000</td><td>December, 2020</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Total Amount</td><td>5800000</td><td></td></tr>
</table>
</td><td>Agreed and undertake to comply.</td></tr>
</table>

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 to all 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.	Environmental policy appropriately defined.
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 report to the head of the organization.	Environmental Cell in place to manage the environmental issues,
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. The project proponent shall spend minimum amount of Rs. 20.0 Lacs towards capital cost and Rs 5.0 Lacs/annum towards recurring cost in Construction phase of the project including the environmental monitoring cost and shall spend minimum amount of Rs 150 Lacs towards capital cost and Rs 42.0 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost. 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. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Agreed and undertake to ensure.
XI. VALIDITY		
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.	Understood and agreed.
XII. MISCELLANEOUS		
i)	The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the	Agreed and undertake to ensure.

	same to SEIAA, Punjab.	
ii)	The project proponent shalt comply with the conditions of CLU granted by the competent authority vide letter no. PBIP/CAPA/HUD/2018/1120 dated 25.05.2018.	Agreed and undertake to comply.
iii)	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shalt 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.	The advertisements already issued.
iv)	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.	Adequately implemented.
v)	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.	Agreed and undertake to ensure.
vi)	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.	Agreed and undertake to ensure.
vii)	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.	Shall be done after the project is commissioned and CTO is obtained.
viii)	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.	Agreed and undertake to ensure.
ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed and undertake to comply.
x)	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 and SEIAA.	Agreed and undertake to comply.

xi)	No further expansion or modifications in the plant/project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Understood and accepted.
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.	Understood and accepted.
xiii)	The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Understood and accepted.
xiv)	The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Understood and accepted.
xv)	The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office and PPCB by furnishing the requisite data/information/monitoring reports.	Understood and accepted.
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.	Understood and accepted.
xvii)	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.	Understood and accepted.
XIII. SPECIAL CONDITIONS		
i)	This Environment Clearance is issued in the supersession of earlier Environmental Clearance granted vide no. SEIAA/2019/21dated 07/01/2019 to Garav Basera.	Understood and accepted.
ii)	The project proponent shall not sale or utilize the land measuring 9.256 acres adjoining to the project site for other propose except for discharging the treated waste water according to Karnal Technology till the time project sites gets sewerage connectivity from the local body or any other development body.	Agreed and undertake to comply.

iii)	In case, PUDA or concerned authority fails to provide the sewerage connection in lieu of the External Development Charges, the project proponent will connect the sewerage system of the project with the existing MC sewer line at its own cost.	Agreed and undertake to comply.

Annexure – I

Statutory Approvals/Permissions – The Eastern Park, Ludhiana

S. No.	Approval/ Permission	Reference No.	Date of Issue	Expiry Date
1.	CLU	PBIP/CAPA(HUD)/2018/1120	13.03.2018	–
2.	License to Develop Colony	LDC/PBIP/CAPA(HUD)/2019/15	06.05.2019	05.05.2024
3.	Layout Plan	PBIP/CAPA(HUD)/2019/146	06.05.2019	–
4.	Environment Clearance – SEIAA Punjab	DECC/SEIAA/2020/1693	29.07.2020	28.07.2027
5.	NOC – Airport Authority of India	AAI/RHQ/NR/ATM/NOC/2017/35/ 2001-2004	08.12.2017	07.12.2025
6.	RERA	Registration No. PBRERA-LDH44-PR0468	31.05.2019	–
7.	**In Principal Approvals:**	Via Email	14.11.2017	–
	PSPCL			
	Forest and Wildlife Preservation			
8.	Provisional NOC - Fire	Invest-2021/29	22.02.2021	Till Completion
9.	CTE – PPCB*	*CTE/Fresh/PBIP/LDH/2023/2306376639*	17.08.2023	03.04.2024
10.	NOC – Drainage Department	922-24/2Flood/2019	11.03.2019	–
11.	Municipal Solid Waste Disposal	2523/MOH/D	20.08.2018	–

TEST REPORT

Issued To: M/s The Eastern Park by Garav Basera
(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab).

Report No.	**CEFT|2312|654**	**Report Date**	**07.12.2023**
Your Ref. No	**Nil**	**Type of sample**	**Ambient Noise**
Sample Code given by Customer	**Nil**	**Date of Monitoring**	**01.12.2023**
Sampling Location	**Within premises**		
Sample Monitored By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|654**
Sampling procedure	**As per SOP**	**Date of test**	**01.12.2023**

Sr. No.	Location	Results dB(A) Leq	Standards dB(A) Leq	Test Method
1	Near Main Gate	60.8	75(DAY) As per Noise Rule 2000	IS 9989
2	Near Main Gate	56.1	70(Night) As per Noise Rule 2000	IS 9989

End of Report

Branch Office-111A, Sunder Enclave,First Floor, Near maa Shimla Homes,Opposite radha swami Satsung Bhawan, Kharar, Mohali,Punjab-140301

Centre for Environment and Food Technology Pvt. Ltd. New Delhi

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
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5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

TEST REPORT

Issued To: M/s The Eastern Park by Garav Basera
(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab)

Report No.	**CEFT|2312|655**	**Report Date**	**07.12.2023**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**01.12.2023**
Sampling Location	**Within Premises**	**Date of Sample Receipt**	**02.12.2023**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|655**
Sampling procedure	**As per SOP**	**Date of test**	**02.12.2023 to 07.12.2023**

TECHNICAL DATA		
1	Location of Sampling Station	Near Main Gate
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	10°C
5	Environmental Condition	Max temp. 15°C
		Min temp. 05°C
		Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.5 LPM
7	Time Period for Sampling	480Minutes
8	Volume of Air Sampled	0.24 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	80	100.0 µg/m^3	IS 5182 (Part-23)
2.	Sulphur dioxide (SO_2)	08	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	16	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	40	60.0 µg/m^3	IS 5182 (Part-24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part-25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

End of Report

Branch Office-111A, Sunder Enclave,First Floor, Near maa Shimla Homes,Opposite radha swami Satsung Bhawan, Kharar, Mohali,Punjab-140301

Authorised Signatory

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6. Customer complaint register is available at the laboratory.

TEST REPORT

Issued To: M/s The Eastern Park by Garav Basera
(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab).

Report No.	**CEFT|2312|654**	**Report Date**	**07.12.2023**
Your Ref. No	**Nil**	**Type of sample**	**Ambient Noise**
Sample Code given by Customer	**Nil**	**Date of Monitoring**	**01.12.2023**
Sampling Location	**Within premises**		
Sample Monitored By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|654**
Sampling procedure	**As per SOP**	**Date of test**	**01.12.2023**

Sr. No.	Location	Results dB(A) Leq	Standards dB(A) Leq	Test Method
1	Near Main Gate	60.8	75(DAY) As per Noise Rule 2000	IS 9989
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End of Report

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Centre for Environment and Food Technology Pvt. Ltd. New Delhi

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Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017 Accredited
Testing Laboratory by NABL Vide Certificate No.- TC-6145 & IQAS, FSSAI and MoEF Recognised Testing Lab

TEST REPORT

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(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab)

Report No.	**CEFT|2312|655**	**Report Date**	**07.12.2023**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**01.12.2023**
Sampling Location	**Within Premises**	**Date of Sample Receipt**	**02.12.2023**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|655**
Sampling procedure	**As per SOP**	**Date of test**	**02.12.2023 to 07.12.2023**

TECHNICAL DATA		
1	Location of Sampling Station	Near Main Gate
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	10°C
5	Environmental Condition	Max temp. 15°C
		Min temp. 05°C
		Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.5 LPM
7	Time Period for Sampling	480Minutes
8	Volume of Air Sampled	0.24 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
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2.	Sulphur dioxide (SO_2)	08	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	16	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	40	60.0 µg/m^3	IS 5182 (Part-24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part-25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

End of Report

Branch Office-111A, Sunder Enclave,First Floor, Near maa Shimla Homes,Opposite radha swami Satsung Bhawan, Kharar, Mohali,Punjab-140301

Centre For Environment and Food Technology Pvt. Ltd.

Authorised Signatory

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TEST REPORT

Issued To: M/s The Eastern Park by Garav Basera
(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab)

Report No.	**CEFT|2312|656**	**Report Date**	**07.12.2023**
Your Ref. No.	**Nil**	**Type of sample**	**Borewell Water**
Sample Code Given by Customer	**Nil**	**Quantity**	**02 LITER**
		Date of sampling	**01.12.2023**
Sampling Location	**Within Premises**	**Date of sample receipt**	**02.12.2023**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|656**
Sampling procedure	**As per SOP**	**Date of test**	**02.12.2023 to 07.12.2023**

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1	pH	7.30	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	172	500	2000	IS 3025 (Part-16)
3	Alkalinity (as $CaCO_3$)mg/l ,Max	36	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	21.9	250	1000	IS 3025 (Part-32)
5	Sulphate (as SO_4) mg/l, Max	06	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	16	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	3.9	30	100	IS 3025 (Part-46)
8	Total Hardness(as $CaCO_3$)mg/l, Max	56	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	16	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	1.1	-	-	IS 3025 (Part-45)
11	Nitrate (as NO_3) mg/l, Max	3.1	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	ND	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.10	0.3	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	ND	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41).
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Aluminium (as Al) mg/l Max	ND	0.03	0.2	IS: 3025 (Part 31) 500 Al.B
25	Selenium (as Se) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-56)
26	Mercury (as Hg) mg/l Max	ND	0.001	No relaxation	IS 3025 (Part-48)

Bacteriological Examination: -

S. NO.	PARAMETERS	TEST RESULTS	LIMITS	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185 : 2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185 : 2016

Note: ND Denotes Not Detectable

Authorised Signatory

Sr. Microbiologist

End of Report

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Branch Office-111A, Sunder Enclave First Floor, Near maa Shimla Homes,Opposite radha swami Satsung
Bhawan, Kharar, Mohali Punjab 140301

TEST REPORT

Issued To: M/s The Eastern Park by Garav Basera
(PP: M/s Gaurav Land Developers & Colonizers Pvt. Ltd.)
Village Bholapur, Chandigarh Road, Ludhiana (Punjab)

Report No.	**CEFT|2312|657**	**Report Date.**	**07.12.2023**
Your Ref. No.	**Nil**		
Type of soil	**Sandy loam and Brownish in colour**	**Type of sample**	**Soil Natural**
		Quantity	**5 Kg**
		Date of sampling	**01.12.2023**
Sampling Location	**Near Stack**	**Date of sample receipt**	**02.12.2023**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2312|657**
Sampling procedure	**As per SOP**		
		Date of test	**02.12.2023 to 07.12.2023**

SR. NO.	PARAMETERS	UNITS OF MEASUREMENT	RESULT	TEST METHODS
1.	Colour	-----	Brownish	IS:2720
2.	pH	-----	7.23	IS:2720(Pt.26)
3.	Conductivity (EC)	micro mhos/cm at 25°C (Soil Water Ratio- 1:2)	234	IS:14767:2000
4.	Moisture Content	%	8.62	USDA:1954/Reaff.2010 Page 107
5.	Bulk Density	gm/cm^3	156	USDA:1954/Reaff.2010 Page 121
6.	Water Holding Capacity(WHC)	%	33	USDA:1954/Reaff.2010 Page 39
7.	Texture	-----	Sandy Loam	USDA:1954/Reaff.2010 Page 30
8.	Sand	%	52	USDA:1954/Reaff.2010 Page 30
9.	Silt	%	26	USDA:1954/Reaff.2010 Page 30
10.	Clay	%	22	USDA:1954/Reaff.2010 Page 30
11.	Organic Carbon	%	0.20	IS:2720:USDA-2010
12.	Total Kjeldahl Nitrogen(Available)	Kg/ha	31	IS:2720:USDA-2010
13.	Cation Exchange Capacity	%	0.05	USDA:1954/Reaff.2010 Page101 IS: 2720(Pt. 24)1976/Reaff.2005
14.	Available Nitrogen	Kg/ha	12	IS:2720:USDA-2010

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End of Report

Branch Office-111A, Sunder Enclave,First Floor, Near maa Shimla Homes,Opposite radha swami Satsung Bhawan, Kharar, Mohali,Punjab-140301

Centre for Environment and Food Technology Pvt. Ltd. New Delhi

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should be used in any advertising media without written permission of Directors, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Annexure – III: SITE PHOTOGRAPHS

Tower-1

Annexure – III: SITE PHOTOGRAPHS

Tower-2

Annexure – III: SITE PHOTOGRAPHS

Tower-3

Annexure – III: SITE PHOTOGRAPHS

Tower-4

Annexure – III: SITE PHOTOGRAPHS

Tower-8

Annexure – III: SITE PHOTOGRAPHS

Tower-9

Annexure – III: SITE PHOTOGRAPHS

Tower-10

Annexure – III: SITE PHOTOGRAPHS

STP

Annexure – III: SITE PHOTOGRAPHS

Boundary Wall