



GREEN
LOTUS
- AVENUE -

A Venture of Maya Group

Date: 01.11.2023

To

The Additional Director

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office,

Bays Nos. 24-25, Sector 31 A,

Dakshin Marg,

Chandigarh – 160030

(Mail ids.: ecompliance-nro@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of Six Monthly Compliance Report for period ending 30.09.2023 for the Group Housing Project namely "Green Lotus Avenue" earlier "Maya Garden Avenue" located at Zirakpur, Tehsil Derabassi, S.A.S Nagar (Mohali), Punjab by M/s Barnala Developers.

Sir,

With reference to the EIA Notification & its amendments for six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 30.09.2023 for the above said project through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you

Sincerely,

For M/s Barnala Developers



Name: *Sungay Pal Gang*

Contact No.: *9872224100*

Designation: *CM*

Email: *gangungay330@yahoo.co.in*

CC to:

Member Secretary, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26, Chandigarh-160019 (Uploaded on parivesh Portal)



Corporate office

SCO 14,15,16 & 17,
Near Nabha Sahib Gurudwara,
Zirakpur-Patiala Road, Zirakpur,
District-Mohali. Pin 140 603 (Punjab)



BARNALA DEVELOPERS

A concrete vision

2023

SIX MONTHLY COMPLIANCE REPORT (Period ending 30.09.2023)

For
“MAYA GARDEN AVENUE”
Zirakpur, Tehsil Derabassi, S.A.S Nagar (Mohali),
Punjab.

Project by:
M/s BARNALA DEVELOPERS
**Near Nabha Sahib Gurudwara, Zirakpur-
Patiala Road, Zirakpur, Distt Mohali, Punjab**

Prepared by:

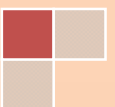


**Eco Paryavaran Laboratories and Consultants
Private Limited**

E-207, Industrial Area, Phase-VIIIB (Sector-74), SAS Nagar (Mohali) Punjab.

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

DATA SHEET

1.	Project Type	Group Housing Project
2.	Name of the Project	Maya Garden Avenue
3.	Clearance letter (s)/O.M No. & dates	Environmental Clearance has been granted by SEIAA, Punjab vide Letter No. SEIAA/2953 dated 28.05.2015; copy of the same is enclosed as Annexure-1.
4.	Location	Zirakpur, Tehsil Derabassi
	a) District (s)	SAS Nagar (Mohali)
	b) State (s)	Punjab
	c) Latitudes/ Longitudes	30°48'60.44" N & 76°41'11.53" E
5.	Address for correspondence	M/s Barnala Developers SCO: 14,15,16 & 17, Near Nabha Sahib Gurudwara, Zirakpur-Patiala Road, Zirakpur, Distt. Mohali, Punjab, Pin code-140603
6.	Salient features	
	a) of the project	As per Environmental Clearance, the total land area of the project is 14,888.50 sq.m. Total built up area of the project is 38,282.0 sq.m.
	b) of the environmental management plans	As per Environmental Clearance, the total water requirement for the project after full occupancy will be 205 KLD, out of which, 152 KLD will be met through tubewell and remaining 53 KLD through recycling of treated wastewater. The total wastewater generation from the project will be 164 KLD, which will be treated in STP installed within the project premises. The total quantity of solid waste generation is estimated to be 608 kg/day. The total load of electricity required for the overall project estimated to be 1,700 KW which will be provided by PSPCL.
7.	Break-up of 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 labourers/artisans.	Not applicable
	a) SC/ST/Adivasis	Not applicable
	b) Others <i>(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)</i>	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 Rs. 48.83 Cr Revised Cost of the project is Rs. 91.48 Cr.
	b) Allocations made for environmental management plans with item wise and year wise break up.	During construction phase, Rs. 9 lacs will be incurred for implementation of EMP and Rs. 5.70 lacs/annum will be incurred on account of recurring charges. During operation phase, Rs. 58.50 lacs will be incurred for implementation of EMP and Rs. 9.50 lacs/annum will be incurred on account of recurring charges.
	c) Benefit cost ratio/ internal rate of return and the year of assessment	Will be calculated and submitted separately.
	d) Whether (c) includes the cost of environmental management as shown in b) above.	Yes
	e) Actual expenditure incurred on the project so far.	The construction work of the project has been completed. So, maintenance work is going on and only maintenance expense is there.
	f) Actual expenditure incurred on the environmental management plans so far.	Total expenditure done on Environmental Management Plan is Rs. 1.65 Crores till 30.09.2023
10.	Forest land requirement:	
	a) the status of approval for diversion of forest land for non-forestry use	Not Applicable
	b) the status of clear felling, if any	Not Applicable
	c) the status of compensatory afforestation, if any.	Not Applicable

	d) Comments on the viability & sustainability of compensatory Afforestation programme in the light of actual field experience so far.	Not Applicable
11.	The status of clear felling in non-forest areas (<i>such as submergence area of reservoir, approach road</i>) if any, with quantitative information	Not applicable
12.	Status of construction:	
	a) Date of commencement (actual and/or planned)	April, 2016
	b) Date of completion (actual and/or planned)	March, 2022 Construction work of the project has been completed. Photographs showing the project status are enclosed along as Annexure-2.
13.	Reasons for the delay, if the project is yet to start	Not applicable

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE FOR THE PERIOD
ENDING 31.03.2023

PART A – SPECIFIC CONDITIONS:

I. PRE-CONSTRUCTION PHASE& CONSTRUCTION PHASE: Not applicable as the project is in operational phase.

III. Operation Phase:

S. No.	Compliance Required	Reply
i.	“Consent to Operate” 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 at the time of start of operation.	Agreed. Consent to Operate (Air & Water) has been obtained from PPCB.
ii.	The project proponent shall discharge not more than 97 KLD wastewater into sewer during summer season, 107 KLD wastewater into sewer during winter season and 111 KLD wastewater into sewer during rainy season.	Agreed. The same is being complied.
iii.	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. and shall maintain a record of readings of each such meter on daily basis.	Agreed. Electromagnetic flow meter has been provided at the outlet of water supply. Records are being maintained on regular basis.
iv.	The position/ location of the STP, tubewell, DG Sets, Utilities etc. installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.	Agreed. The provision of the DG sets, utilities, etc. has been done as on the best suitable location as per considering impact on the residents.
v.	Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.	Since, it is a residential project. Thus, no major fugitive emissions are generated. However, adequate stack height has been provided with DG sets to control the emissions from the DG sets.
vi.	Adequate treatment facility for drinking water shall be provided, if required.	The flat owners have installed their own RO for the treatment of drinking water.
vii.	The green belt along the periphery of the plot	Agreed. Adequate green area has been

	shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.	provided within the project premises. Photographs showing the green area are enclosed as Annexure-2 .
viii.	The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.	Noted. The ambient air is being monitored regularly; Recent test reports are enclosed along as Annexure-3 .
ix.	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.	Agreed. Solar street lights for common areas has been provided to conserve the energy.
x.	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency 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.	Noted.
xi.	Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Environmental Management Cell has been formed for the supervision and monitoring of environment related aspects of the project.
xii.	Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Agreed. Ambient noise level is being monitored regularly; recent test reports are attached along as Annexure-3 .
xiii	Separation of drinking water supply and treated sewage supply should be done by the use of different colors.	Agreed. Separation of drinking water supply and treated sewage supply has been done by use of different colors.
xiv	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.	Agreed. It is being complied.

IV. ENTIRE LIFE:

S. No.	Conditions	Reply
i.	“Consent to operate” 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 get it renewed from time to time and a copy of the same shall be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority.	Agreed and was obtained from PPCB.
ii.	The project proponent shall discharge not more than 97 KLD wastewater into sewer during summer season, 115 KLD wastewater into sewer during winter season and 119 KLD wastewater into sewer during rainy season.	Agreed. The same is being complied.
iii.	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. and shall maintain a record of readings of each such meter on daily basis.	Agreed. Flow meter has been provided at the outlet of water supply and with STP. Proper records are being maintained.
iv.	The position/ location of the STP, tubewell, DG Sets, Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.	Agreed. The provision of the DG sets, utilities, etc. has been done as on the best suitable location as per considering impact on the residents.
v.	Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, run off from gardens/green area/roads/ pavements may also be connected with the ground water recharging system after adequate treatment as per CGWA guidelines.	Agreed. Roof run off and surface run off collection system along with total 5 no. of rain water recharging pits have been provided within the project premises for rainwater recharging purpose. Sedimentation chamber for the pretreatment of the runoff water has also been provided.
vi.	The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inert shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior	Agreed. Solid waste generated being collected & segregated properly as per the Solid Waste Management Rules, 2016. NOC has been obtained from MC, Zirakpur regarding disposal of solid waste and same has been submitted.

	approval of competent authority should be obtained, if required.	
vii	Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	Since, it is a residential project, thus, no major hazardous waste is being generated except used oil from DG set which is being given to authorized vendors.
viii.	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored.	Agreed. Monitoring of ambient air, noise and water quality is being done on regular intervals and copy of recent test reports is enclosed as Annexure-3 .
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.	Agreed. Adequate parking has been provided within the project premises to avoid any traffic congestion on the road. Photographs are attached as Annexure-2 .
x.	The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of firefighting equipments etc. as per National Building Code including protection measures from lightning.	Agreed. The project has been designed by approved Structural engineer as per the NBC guidelines and seismic zone IV. Structural safety certificate has been obtained from Competent Authority and submitted.

PART B - GENERAL CONDITIONS:

I. Pre-Construction Phase: Not applicable as project is in operational phase.

II. Construction Phase: Not applicable as project is in operational phase.

III. Operation Phase

S. No.	Conditions	Reply
i.	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.	Agreed. It will be complied until the responsibility of environmental management plan is transferred to the occupier/ residents society.
ii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies	Agreed. Regular six monthly compliance reports are being submitted to RO, MoEF, Chandigarh as well as SEIAA, Punjab. Copy of last submitted

	as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.	compliance report for period ending 31.03.2023 is enclosed as Annexure-4 .
iii.	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 CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.	Agreed. Full cooperation, facilities and documents/ data will be given to the Officials from the MoEF, Chandigarh/ SEIAA/ SEAC/ PPCB etc. during monitoring the implementation of environmental safe guards.
iv.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. The compliance of the stipulated EC conditions along with EC letter, including results of monitoring data is being uploaded on the website.
v.	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to bespent under the provisions of the Companies Act 1956, whichever is higher.	Agreed. Rs. 11.9 Lakhs have been spent on CSR activities.
vi.	The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action	Noted

	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.	
vii.	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.	Noted

IV Entire Life:

S. No.	Conditions	Reply
i.	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.	Noted
ii.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. The compliance of the stipulated EC conditions along with EC letter, including results of monitoring data is being uploaded on the website.
iii.	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.	Agreed. Rs. 11.9 Lakhs have been spent on CSR activities.
iv.	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) will continue to be borne by the project proponent until the responsibility of	Noted.

	environmental management plan is transferred to the occupier/ residents society under proper MOU after obtaining prior permission of the Punjab Pollution Control Board.	
v.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.	Agreed. Six monthly compliance report is being regularly submitted to the respective office. Acknowledgement of the last submitted six monthly compliance report is enclosed as Annexure-4 .
vi.	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 CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.	Agreed. Full cooperation, facilities and documents/ data will be given to the Officials from Regional Office of Ministry of Environment & Forests, Chandigarh/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board during inspection.
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.	Noted.
viii.	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.	Noted.



Maya Garden Avenue - Zirakpur - Barnala Developers
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
 Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
 Vatavaran Bhawan, Nabha Road,
 Patiala – 147 001
 Telefax:- 0175-2215636

No. SEIAA/2953
 To

Dated: 28.05.2015

M/s Barnala Developers.,
 Patiala Road,
 Opp. Yes Bank,
 Zirakpur-140603

Subject: Environmental Clearance under EIA notification dated 14.09.2006 for construction of a housing project namely "Maya Garden Avenue" at Zirakpur, Tehsil Derabassi, Distt. Mohali by M/s Barnala Developers.

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for construction of a housing project namely "Maya Garden Avenue" at Zirakpur, Tehsil Derabassi, Distt. S.A.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 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 and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves construction of a housing project namely "Maya Garden Avenue" at Zirakpur, Tehsil Derabassi, Distt. S.A.S. Nagar. The total land area of the project is 14888.50 sqm and the total built up area will be 38282.0 sqm. The total water requirement for the project will be 205 KL/day, out of which 152 KL/day will be met through own tubewell and remaining 53 KL/day will be met through recycling of treated wastewater. The total wastewater generation from the project will be 164 KL/day, which will be treated in a STP to be installed within the project premises. The project proponent has proposed to use 53 KL/day of treated wastewater for flushing purpose, 14 KL/day will be used for irrigation of green area and remaining 97 KL/day will be discharged into M.C. sewer in summer season. In winter season,

53 KL/day of treated wastewater will be used for flushing purpose, 04 KL/day will be used for irrigation of green area and remaining 107 KL/day will be discharged into M.C. sewer. In rainy season, 53 KL/day of treated wastewater will be used for flushing purpose and remaining 111 KL/day will be discharged into M.C. sewer. The MC, Zirakpur vide the letter no. 247 dated 07.04.2015 issued NOC to the project proponent to the effect that the treated wastewater @ 111 of the proposed project can be discharged into sewer subject to deposition of applicable connection and other requisite charges. The total green area to be developed will be 2560 sqm. The project proponent has proposed to provide rain water harvesting wells for recharging 1868 cum /annum of rain water.

The total quantity of solid waste to be generated from the proposed project has been estimated as 608 Kg/day, which will be segregated at source as bio-degradable and non-biodegradable waste as per the MSW Rules, 2000. The bio-degradable solid waste will be disposed off in approved landfill sites and the recyclable solid waste would be sold to the recyclers. The MC, Zirakpur vide the letter no. 247 dated 07.04.2015 issued NOC to the project proponent to the effect that the solid waste can be disposed off at dumping ground of MC, Zirakpur. The e-waste will be handled and managed as per the E-waste (Management & Handling) Rules, 2011. The used oil from the D.G. sets will be sold out to the registered recyclers as per the provisions of the Hazardous Waste (Management, Handling & Transboundary Movement), Rules, 2008. The total load of electricity required for proposed project will be 1700 KW which will be supplied by PSPCL. The project proponent has proposed to install DG sets for backup power supply.

Partner of the company will be responsible for implementation of EMP till the handing over of the project. Thereafter, association of the residents or MC whosoever takes over the project will be responsible for implementation of EMP. During construction phase, Rs.9.0 lacs will be incurred for implementation of EMP and Rs.5.70 lacs/annum will be incurred on account of recurring charges. During operation phase, Rs.58.50 lacs will be incurred for implementation of EMP and Rs.9.50 lacs/annum will be incurred on account of recurring charges. Cost of monitoring during construction phase will be Rs.5.90 lacs/annum and during operation phase, the cost of monitoring will 6.90 lacs/annum. Rs.5 lacs will be

utilized for following activities under Corporate Social Responsibility and the implementation of the CSR will be responsibility of Partner of the company:

- a. The management will give preference in the job to people of nearby area (Vill. Taffazalpura and other surrounding villages).
- b. Widening of road in the vicinity of the project.
- c. Toilets for girls in the nearest village school.

The case was considered by the SEAC in its 112th meeting held on 06.04.2015 and the Committee awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA, with the recommendation to grant environmental clearance to the project proponent subject to certain conditions, in addition to the proposed measures

Thereafter, case was considered by the SEIAA in its 85th meeting held on 16.05.2015 and the Authority noted that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. Therefore, the Authority decided to grant environmental clearance to the project proponent for construction of a Housing project namely "Maya Garden Avenue" in an 14,888.50 sqm having total built up 38,282.0 sqm at Zirakpur, Tehsil Derabassi, Distt. S.A.S. Nagar, subject to the conditions as proposed by the SEAC in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

PART A – 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) A first aid room will be provided in the project both during construction and operation phase of the project.
- (iv) 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.
- (v) 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.

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.
- (iii) Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such material must be secured, so that they should not leach into the groundwater.
- (iv) Construction/provision of the STP, 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
- (v) 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 and noise emission standards.
- (vi) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- (vii) Fly ash should be used as construction material 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 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).

- (viii) Ready mixed concrete should be used in building construction as far as possible.
- (ix) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.
- (x) The project proponent shall adopt dual plumbing system for reuse of treated wastewater for flushing system & HVAC etc
- (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) 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.
- (xiii) 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.
- (xiv) The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.
- (xv) 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. Treated wastewater: Yellow
(for discharge)
 - e. Storm water: Orange
- (xvi) The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/State Level Environment Impact Assessment Authority before the project is commissioned for operation.

III. Operation Phase

- i) "Consent to operate" 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 at the time of start of operation.
- ii) The project proponent shall discharge not more than 97 KLD wastewater into sewer during summer season, 107 KLD wastewater into sewer during winter season and 111 KLD wastewater into sewer during rainy season.
- iii) 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. and shall maintain a record of readings of each such meter on daily basis.
- iv) The position / location of the STP, tubewell, DG Sets, Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.
- v) Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.
- vi) Adequate treatment facility for drinking water shall be provided, if required.
- vii) 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. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.
- viii) The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.
- ix) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.
- x) A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency 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.

- xi) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.
- xii) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xiii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.
- xiv) 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.

IV. Entire Life:

- i) "Consent to operate" 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 get it renewed from time to time and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority.
- ii) The project proponent shall discharge not more than 97 KLD wastewater into sewer during summer season, 115 KLD wastewater into sewer during winter season and 119 KLD wastewater into sewer during rainy season.
- iii) 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. and shall maintain a record of readings of each such meter on daily basis.
- iv) The position / location of the STP, tubewell, DG Sets, Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.
- v) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, run off from gardens/green area/roads/pavements may also be connected with the ground water recharging system after adequate treatment as per CGWA guidelines.

- vi) The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inert shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.
- vii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
- viii) Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored.
- 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 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.

PART B – General Conditions :

I. Pre-Construction Phase

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) 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.
- iii) 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.
- iv) 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.

- v) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- vi) 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
- vii) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- viii) 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.
- ix) 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.
- x) 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. Construction Phase

- i) 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.

- ii) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.
- iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.
- iv) 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 CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.
- v) 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.
- vi) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- vii) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.
- viii) 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.
- ix) Separation of drinking water supply and treated sewage supply should be done by the use of dual plumbing line.
- x) 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.

III. Operation Phase

- i) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.
- ii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.
- iii) 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 CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.
- iv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- v) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.
- xi) 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.

- xii) 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.

IV Entire Life

- i) 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.
- ii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- iii) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.
- iv) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.
- v) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.
- vi) 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 CCF, Regional Office of Ministry of Environment

& Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.

- xiii) 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.
- xiv) 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.

Member Secretary (SEIAA)

REGISTERED

Endst. No. 2954-62

Dated 28.05.2015

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 State Power Corporation Ltd, the Mall, Patiala.
- 4. The Deputy Commissioner, SAS Nagar.
- 5. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
- 6. The Director (Environment), 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. Satish Kumar
 - b) Mobile no. : 9216910319
- 7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
- 8. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
- 9. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying this document on the web site of the State Level Environment Impact Assessment Authority.

Sd/-

Member Secretary (SEIAA)

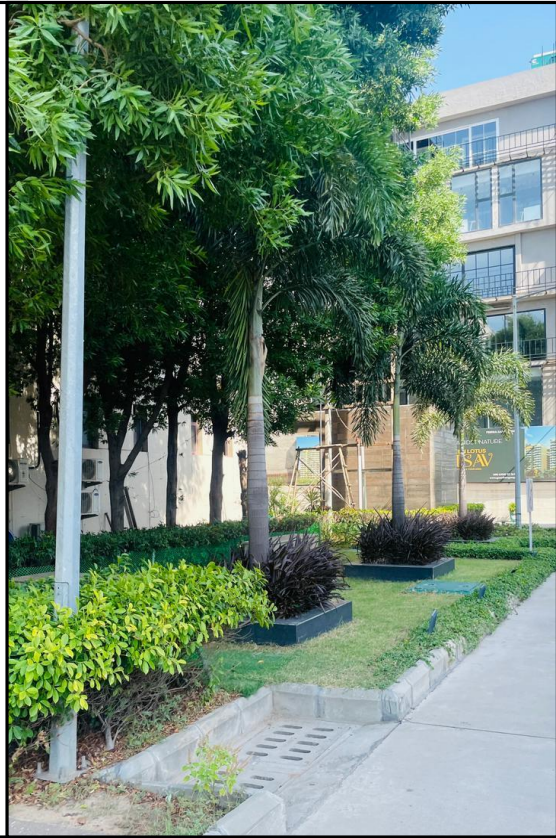
Site Photographs



Parking Area



GREEN AREA





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)



TEST REPORT

ULR No. : NA		Test Report No. : NWAM181023NA052	
Type of Sample : Water (Ground Water)		Date of Reporting : 21/10/2023	
Customer	Group Housing Project "Green Lotus Avenue" By M/s Barnala Developers Zirakpur, Teshsil Derabassi, Distt.S.A.S Nagar, Punjab	Work Order No. & Date	Email Confirmation DT:04.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS:17614 (P-1) 2021	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/10/2023	Date of Receipt of Sample	18/10/2023
Sampling Location	Borewell No.1 (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	18/10/2023 To 21/10/2023
Sample Description	Colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked GLA/18/01		

RESULTS

I -Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL	5	15	IS: 3025 (Part-4) Cl 2.0 [DL- 5 Colour Units]
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (Part-5)
3	pH @ 25°C	-	6.91	6.5-8.5	No relaxation	IS:3025 (Part-11) [DL- 2]
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL	1	5	IS 3025 (Part-10) [DL- 1 NTU]
6	Chloride as Cl	mg/l	30	250	1000	IS: 3025 (Part-32) [DL- 1 mg/l]
7	Iron as Fe.	mg/l	BDL	1.0	No relaxation	USEPA 3015A [DL- 0.001 mg/l]
8	Total hardness as CaCO ₃	mg/l	325	200	600	IS :3025 (Part-21) [DL- 1 mg/l]

II -Biological Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	Present or Absent/100 ml	Absent	Absent	-	IS:15185
2	E.coli.	Present or Absent/100	Absent	Absent	-	IS:15185

Ritika Kumari

Authorized Signatory-Biological

Umesh Kumar

Authorized Signatory-Chemical

Format No: F/7.8.2-W-01-18.06.20 Rev 05

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org



TC-11818

ULR No. : NA		Test Report No. : NWAM181023NA052	
Type of Sample : Water (Ground Water)		Date of Reporting : 21/10/2023	
2	ml		

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

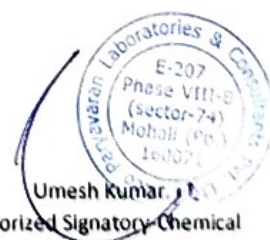
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Ritika Kumar

Authorized Signatory-Biological

Format No. F/7.8.2-W-01-18.06.20 Rev 05



Umesh Kumar

Authorized Signatory-Chemical

Page No. 2/2



TEST REPORT

ULR No. : NA		Test Report No. : NSOM181023NA053	
Type of Sample : Soil.		Date of Reporting : 21/10/2023	
Customer	Group Housing Project "Green Lotus Avenue" By M/s Barnala Developers Zirakpur, Teshsil Derabassi, Distt.S.A.S Nagar, Punjab	Work Order No. & Date	Email Confirmation DT:04.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/10/2023	Date of Receipt of Sample	18/10/2023
Sampling Location	Park (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	18/10/2023 To 21/10/2023
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	10kg Poly Bag Marked GLA/18/01		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	8.08	IS:2720 (Part-26) CI-2, [DL- 2]
2	Conductivity	mmhos/cm	0.348	IS:14767 [DL- 0.1 mmhos/cm]
3	Moisture Content	%	8.8	IS:2720 (Part-II) Sec-1 [DL- 0.1 %]
4	Organic Matter	%	1.3	IS: 2720 (Part XXII) Sec-1, [DL- 0.1 %]
5	Texture	--	Loamy Sand	IS:2720 (Part-4) CI 2,4
6	Bulk Density	gm/cc	1.64	IS: 2720 (Part-7) [DL- 1 gm/cc]

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****



Authorized Signatory-Chemical

TEST REPORT



ULR No. : NA		Test Report No. : NAIM191023NA033	
Type of Sample : Ambient Air Quality		Date of Reporting : 21/10/2023	
Customer	Group Housing Project "Green Lotus Avenue" By M/s Barnala Developers Zirakpur, Teshsil Derabassi, Distt.S.A.S Nagar, Punjab	Work Order No. & Date	Email Confirmation DT:04.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/10/2023	Date of Receipt of Sample	19/10/2023
Sampling Location	Project Site (Near Club House)	Period of Analysis	19/10/2023 To 21/10/2023
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

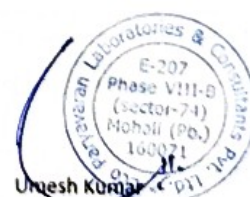
S.No.	Test Parameter	Unit	Result	Standard	Method
1	Respirable Suspended Particulate Matter (as PM10)	µg/m³	82	100	IS: 5182 (Part-23)
2	Particulate Matter (as PM2.5)	µg/m³	47	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3	Sulphur Dioxide (as SO2)	µg/m³	11	80	IS: 5182 (Part-2)
4	Nitrogen Dioxide (as NO2)	µg/m³	26	80	IS: 5182 (Part-6)
5	Ammonia (as NH3)	µg/m³	21	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6	Ozone (as O3)	µg/m³	27	180	IS: 5182 (Part-9)
7	Carbon Monoxide (as CO),	mg/m³	0.66	04	IS: 5182 (Part-10), NDIR Method

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report



Authorized Signatory-Chemical

Format No.: E/7.8.2-AA-01-26.11.19 Rev 04

ECO BHAWAN

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Page No. 1/1

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TEST REPORT

ULR No. : NA		Test Report No. : NNOM191023NA034	
Type of Sample : Ambient Noise		Date of Reporting : 21/10/2023	
Customer	Group Housing Project "Green Lotus Avenue" By M/s Barnala Developers Zirakpur, Teshsil Derabassi, Distt.S.A.S Nagar, Punjab	Work Order No. & Date	Email Confirmaton DT:04.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008.	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/10/2023	Date of Receipt of Sample	19/10/2023
Sampling Location	Project Site (Near Club House)	Period of Analysis	19/10/2023 To 19/10/2023
Testing Protocol	IS 9989-1989, RA 2008.		
Testing Location	On Site & Permanent Facility		

RESULTS

I- Chemical Testing

1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	53.5	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report




Umesh Kumar
Authorized Signatory-Chemical

Fw: Submission of six monthly compliance report for the period ending 31.03.2023 for Group Housing Project namely "Green Lotus Avenue" earlier "Maya Garden Avenue" by M/s Barnala Developers

sanjay garg <gargsanjay83@yahoo.co.in>

Mon 29-May-23 6:34 PM

To:Environment Wing IRO Chandigarh <ecompliance-nro@gov.in>;ronz.chd-mef@nic.in <ronz.chd-mef@nic.in>
Cc:seiaapb2017@gmail.com <seiaapb2017@gmail.com>;eenodal@yahoo.in <eenodal@yahoo.in>

 1 attachments (4 MB)

GLA compliance 31.03.2023.pdf;

Respected Sir,

Greetings for the day!

We are hereby submitting six monthly compliance report for the period ending 31.03.2023 for our Group Housing Project namely "Green Lotus Avenue" (earlier "Maya Garden Avenue") located at Zirakpur, Tehsil Derabassi, S.A.S Nagar (Mohali), Punjab.

Kindly acknowledge the receipt of the same.

Regards

M/s Barnala Developers