

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

DATA SHEET

1.	Project Type	Group Housing Project
2.	Name of the Project	Green Lotus Saksham
3.	Clearance letter (s)/O.M No. & dates	Environment Clearance has been granted by SEIAA, Punjab vide Letter No. SEIAA/2017/450 dated 03.05.2017; copy of the same is enclosed as Annexure 1(a) . EC letter for expansion has been granted by MoEF&CC vide F.No. 21-111/2020-IA-III and is valid till 20.05.2028 as per the EIA Notification & its amendment ; copy of the same is enclosed as Annexure 1(b) .
4.	Location	Village Nabha & Chatt, Zirakpur
	a) District (s)	Distt. SAS Nagar (Mohali)
	b) State (s)	Punjab
	c) Latitudes/ Longitudes	30°37'54.37"N & 76°47'50.54"E
5.	Address for correspondence	Mr. Sanjay Garg GM (Finance, Liasoning & Public Relations) Mobile No. 98722 24100 Mail id: gargsanjay83@yahoo.co.in M/s Maya Builders SCO 14-15-16-17, Zirakpur-Patiala Road, Zirakpur, Distt. SAS Nagar (Mohali), Punjab.
6.	Salient features	
	a) of the project	As per Environmental Clearance, total plot area of project after expansion is 36,337.638 sq.m and total built up area is 1,24,724.142 sq.m.
	b) of the environmental management plans	As per Environmental Clearance, the estimated population of the project after expansion is 3,425 persons. The total water demand of the project is 430 KLD, out of which fresh water demand is 285 KLD which will be met through bore well. The total amount of wastewater generation from the project will be 362 KLD, which will be treated in STP of capacity 450 KLD installed within the project premises. The estimated total quantity of solid waste

		generation will be 1,299 kg/day. The total electricity load required for the project is 3,212.2 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.	Cost of the project after expansion is Rs. 305.4 Crores
	b) Allocations made for environmental management plans with item wise and year wise break up.	During construction phase, Rs. 265 Lakhs lakhs will be incurred on account of capital cost for implementation of EMP and Rs. 8 lakhs/ annum towards recurring cost per annum for implementation of environmental management plan. 19.5 Lakhs has been planned to be reserved for EMP during operation phase as recurring cost per annum.
	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.	Rs. 151.67 Crores have been spent on the project till 31 st March, 2022.
	f) Actual expenditure incurred on the environmental management plans so	Actual expenditure done on Environmental measures is Rs. 0.35 Crores till 31 st March,

	far.	2022.
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)	May, 2018
	b) Date of completion (actual and/ or planned)	December, 2022 70% of construction has been completed. Photographs showing the status of the project are enclosed along as Annexure 2 .
13.	Reasons for the delay, if the project is yet to start	Not applicable

Compliance report on conditions imposed in Environmental Clearance
for period ending 30.09.2021

PART A – Conditions common for all the three phases i.e. Pre-Construction Phase, Construction Phase and Operation Phase & Entire Life:

S. No.	EC Conditions	Reply
i.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.
ii.	A first aid room will be provided in the project both during construction and operation phase of the project.	Agreed. First aid kit has been provided at construction site and will remain during operation phase also.
iii.	Construction of the STP, solid waste, e-waste, hazardous waste, storage facilities tubewell, DG Sets, Utilities etc., earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.	Agreed. The provision of the DG sets, utilities etc. will be done as per the approved layout only.
iv.	The environmental safeguards contained in the application of the promoter/ mentioned during the presentation before State Level Environment Impact Assessment Authority/ State Expert Appraisal Committee should be implemented in letter and spirit.	Agreed. Environmental safeguards are being implemented in true letter and spirit.
v.	Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the Ministry of Environment, Forests & Climate Change guidelines and all the mitigation measures should be taken to bring down the levels within the prescribed standards.	Ambient air and noise levels are within the prescribed standards. Mitigation measures are being taken at the construction site. Test reports are enclosed as Annexure 3 .
vi.	All other statutory clearances such as the	All the necessary statutory clearances are

	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.	being obtained from concerned departments as and when required. Such as: <ul style="list-style-type: none"> • NOC from Fire department has been obtained and copy of the same is enclosed as Annexure 4. • NOC from Civil Aviation Department; copy of the same is attached as Annexure 5. • Consent to Establish has been obtained from PPCB which is valid till 04.01.2023. The same is enclosed as Annexure 6. • Building plan approval has been obtained from MC, Zirakpur vide letter no. 2223 dated 08.10.2020; copy of the same is enclosed as Annexure 7.
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.	Agreed.
viii	A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.	Agreed.
ix.	The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF&CC, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on 1 st June and 1 st December of each calendar year.	Agreed. Six monthly compliance reports in respect of the stipulated environmental clearance terms & conditions including results of monitored data are being submitted regularly. Acknowledgement of previously submitted six monthly compliance report for period ending 30.09.2021 is attached along as Annexure 8 .
x.	Officials from the Regional Office of	Agreed. Full cooperation, facilities and

	Ministry of Environment & Forests, Chandigarh/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.	documents/data will be given to the officials monitoring the implementation of environmental safeguards as and when required.
xi.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.	Planning of the project has been changed for which an additional land has been purchased, therefore, layout plan has been revised. Thus EC letter for expansion has been granted by MoEF&CC vide F.No. 21-111/2020-IA-III and is valid till 20.05.2028 as per the EIA Notification & its amendment ; copy of the same is enclosed as Annexure 1(b) .
xii	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.	Agreed.
xiii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, SEIAA, Punjab the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels for all the parameters of NAAQM standards shall be monitored and displayed at a convenient location near the main gate of the company in the public	Agreed. The EC letter, compliance of the stipulated EC conditions, including results of monitored have been uploaded on the website. Screenshot showing the same is attached as Annexure 9 .

	domain.	
xiv	The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.	Agreed. The inlet and outlet point of natural drain system is maintained with adequate size of channel for ensuring unrestricted flow of water.
xv	The unpaved area shall be more than or equal to 20% of the recreational open spaces.	Agreed.
xvi	Environmental Management Cell shall be formed which will supervise and monitor the environment related aspects of the Project.	Agreed. Environment Management Cell for supervision and monitoring the environment related aspects of the Project will be formed.

Part B - Specific conditions

I. Pre-Construction Phase

S. No.	EC Conditions	Reply
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 & Forest/ State level Environment Impact Assessment Authority before the start of any construction work at the site.	Agreed, Consent to Establish has been obtained from Punjab Pollution Control Board vide Certificate No. CTE/Fresh/SAS/2022/17143301 dated 05/01/2022. The same is enclosed as Annexure 6 .
ii.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Agreed. Appropriate sanitary and hygienic measures are in place and they are being well maintained in accordance with the required standards.
iii.	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 lightening.	Agreed. Structural Safety Certificate has been obtained from Competent Authority; copy of the same is enclosed as Annexure 10 .
iv.	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, disposal of wastewater & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche etc. The	Agreed. All necessary facilities are being provided to workers, such as temporary hutments, safe drinking water, medical health care etc. All necessary infrastructure and facilities have been provided in an environmentally sound manner.

	housing may be in the form of temporary structures to be removed after the completion of the project.	Photographs showing the same are enclosed as Annexure 2 .
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II. Construction Phase

S .No.	EC Conditions	Reply
i.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Yes, the top soil excavated during construction activities is being used for landscaping within the project premises. Photographs showing green area provided within project premises is enclosed as Annexure 2 .
ii.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people, with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic/ tarpaulin sheet covers for trucks bringing in sand & material at the site.	Agreed. Small amount of muck is generated from construction activities. However, no muck is being disposed outside of the project premises. Muck is disposed without causing any adverse effect on the neighboring communities and by taking the necessary precautions for general safety and health aspects of people. Also, dust mitigation measures like tarpaulin sheets covers are being used so that there is minimum impact on the environment.
iii.	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses. The dump sites for such material must be secured, so that they should not leach into the groundwater.	Agreed. There has been no hazardous material recorded from the site as it is a residential project. Construction spoils are kept to minimum so that there is no contamination of the ground water resources.
iv.	The project proponent shall use only fly ash (generated in the thermal power plant) for earth filling @ 4,000 m ³ at site.	Agreed. PPC cement is being used for construction purpose which constitutes fly ash. 5% fly ash in block work has been used.
v.	Vehicles hired for bringing construction materials 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.	Agreed. Vehicles used for bringing construction materials to the site and other machinery are in good condition and are being regularly monitored.
vi.	The project proponent shall use only treated	Agreed.

	sewage/ wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.	
vii	Fly ash based construction material should be used in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 and notification No. S.O. 2804 (E) dated 03.11.2009.	Agreed PPC cement which is composed of fly ash is being used for construction purpose. 5% fly ash in block work has been used.
viii	Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.	Yes, appropriate measures and practices are being taken to reduce water demand during construction.
ix.	Adequate treatment facility for drinking water shall be provided, if required.	Agreed. Adequate facilities will be provided as required.
x.	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.	Agreed. Dual plumbing will be provided for re-using the treated water for flushing and horticulture purpose.
xi.	The project proponent will provide dual plumbing system for reuse of treated wastewater for flushing/ HVAC purposes etc. and color coding of different pipe lines carrying water/ wastewater/ treated wastewater as follows: (i) Fresh water: Blue (ii) Untreated wastewater: Black (iii) Treated wastewater: Green (for reuse) (iv) Treated wastewater: Yellow (for discharge) (v) Storm water : Orange	Agreed. The same will be complied.
xii	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. Low flow fixtures for showers, toilet flushing and drinking will be provided within the project to reduce water consumption.
xiii	Separation of drinking water supply and treated sewage supply should be done by the use of different colors.	Agreed. The same will be complied once construction gets completed.
xiv	a. Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking	Agreed. Proper measures like minimum use of glass, LED lights will be adopted to conserve energy. Also,

	<p>measures as prescribed under the Energy Conservation Building Code and National Building Code, 2005 on Energy conservation.</p> <p>b. Solar power plant by utilizing at least 30% of the open rooftop area in the premises shall be installed for utilizing maximum solar energy. Also, LED lights shall be provided as proposed for illumination of common areas instead of CFL lights or any other conventional lights/ bulbs.</p>	<p>solar panels have also been proposed on the roof top of towers.</p>
xv	<p>The diesel generator sets to be used during construction phase should conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.</p>	<p>Agreed. DG sets used during construction phase comply with the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.</p>
xvi	<p>Chute system, separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection center and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.</p>	<p>Agreed. Proper arrangement will be provided for collection, handling, storage, segregation, treatment and disposal of solid waste.</p>
xvii	<p>Rain water harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sq.m of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.</p>	<p>Agreed. 6 nos. of rain water recharging pit have already been constructed within the premises.</p>
xviii	<p>Green belt of adequate width as proposed shall be provided so as to achieve attenuation factor conforming to the day & night standards prescribed for residential land use.</p>	<p>Agreed. Adequate green belt will be provided within the premises. Photographs of green area are enclosed along as Annexure 2.</p>

	<p>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 sq.m of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.</p>	
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PART C – General Conditions:

I. Pre-Construction Phase

S. No.	EC Conditions	Reply
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.	Agreed. EC letter issued on 21.05.2021 vide F.No. 21-111/2020-IA-III and is valid till 20.05.2028 as per the EIA Notification & its amendment.
ii.	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.	Agreed. Advertisement has been published in the two newspapers; copy of the same is enclosed along as Annexure 11.
iii.	The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of bore well (s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any bore well (s) exist at site.	Permission regarding groundwater abstraction has been obtained from PWRDA. Copy of the same is enclosed as Annexure 12.

iv.	The project proponent shall obtain CLU from the competent authority.	Agreed. CLU has been obtained from the competent authority. Copy of the same is enclosed along as Annexure 13.
v.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Agreed.

II Construction Phase

S. No.	EC Conditions	Reply
i.	The project proponent shall adhere to the commitments made in the Environment Management Plan for the construction phase and Corporate Social Responsibility and shall spend minimum amount of Rs.19.6 lacs towards capital investment and Rs. 10 lacs towards CSR activities as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.	Rs. 9.8 Lakh has been spent on CSR activities.

ADDITIONAL CONDITIONS:

S. No.	EC Conditions	Reply
i.	The PP shall take adequate measures for dust suppression during construction phase in existing as well as for proposed site by proper barricading and mist spray system.	Proper dust mitigation measures like tarpaulin sheets covers, proper barricading & water sprinkling are being used so that there is minimum impact on the environment.
ii	The PP shall explore use of treated water in nearby construction sites and for horticulture purposes in parks under local authority.	Treated water from STP will be reused for flushing, green area development and excess will be disposed to MC sewer or nearby construction activities.
iii	Abstraction of ground water shall be subject to the permission of Central Ground Water Authority (CGWA) and ground water recharge shall conform to CGWA norms or norms prescribed by the local authorities.	Permission regarding groundwater abstraction has been obtained from PWRDA. Copy of the same is enclosed as Annexure 12.

iv	The PP shall also provide electric charging points in the parking areas for e-vehicles as committed.	That electric charging stations for e-vehicles will be provided in the parking areas.
v	As committed, at least 460 trees are to be maintained during operation phase.	Agreed. Adequate green area will be provided within the project premises.
vi	Compliance to directions issued by the Ministry in respect of settlement of Show cause notice dated 18.02.2021.	Agreed. The same will be complied.
vii	All other conditions, as specified in the EC letter No. SEIAA/2017/450 dated 03.05.2017 shall remain unchanged.	Noted.

TEST REPORT



ULR No. : TC747722000002484F		Test Report No. : EL220422NW003	
Type of Sample : Water (Ground Water)		Date of Reporting : 28/04/2022	
Customer	Group Housing Project "Green Lotus Saksham" By M/s Maya Builders Located at Village- Nabha & Chatt, Zirakpur, Distt. S.A.S Nagar (Mohali), Punjab	Work Order No. & Date	WORK ORDER DT:14.04.2022
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	22/04/2022	Date of Receipt of Sample	22/04/2022
Sampling Location	From Borewell	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	22/04/2022 To 28/04/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'P/22/01'		

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(DL5)	5	15	IS: 3025 (Part-4)CI 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (Part-5)
3	pH @ 25°C	-	7.43	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
6	Chloride as Cl	mg/l	15	250	250	IS: 3025 (Part-32)
7	Iron as Fe'	mg/l	0.24	1.0	No relaxation	IS: 3025 (Part-53)
8	Total hardness as CaCO3	mg/l	242	200	600	IS :3025 (Part-21)

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	CFU/100ml	Absent	Absent	-	IS:15185
2	E.coli.	CFU/100ml	Absent	Absent	-	IS:15185

Simranjit Kaur

Authorized Signatory-Biological

Tanu Sharma

Authorized Signatory-Chemical

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ECO BHAWAN

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

Page No. 1/2



ULR No. : TC747722000002484F

Test Report No. : EL220422NW003

Type of Sample : Water (Ground Water)

Date of Reporting : 28/04/2022

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****



Simranjit Kaur

Authorized Signatory-Biological



Tanu Sharma

Authorized Signatory-Chemical

TEST REPORT



ULR No. : TC747722000002477F		Test Report No. : EL220422NS003	
Type of Sample : Soil		Date of Reporting : 28/04/2022	
Customer	Group Housing Project "Green Lotus Saksham" By M/s Maya Builders Located at Village- Nabha & Chatt, Zirakpur, Distt. S.A.S Nagar (Mohali), Punjab	Work Order No. & Date	WORK ORDER DT:14.04.2022
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	22/04/2022	Date of Receipt of Sample	22/04/2022
Sampling Location	At Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	22/04/2022 To 28/04/2022
Sample Description Brown coloured soil.			
Packing, Markings, Seal & Qty.		5 Kg Poly Bag Marked 'P/22/01'	

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	8.09	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.338	IS:14767
3	Moisture Content	%	3.1	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.64	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy clay loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.42	IS: 2720 (Part-7)

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

TEST REPORT



ULR No. : TC747722000002494F		Test Report No. : EL230422NA003	
Type of Sample : Ambient Air Quality		Date of Reporting : 28/04/2022	
Customer	Group Housing Project "Green Lotus Saksham" By M/s Maya Builders Located at Village- Nabha & Chatt, Zirakpur, Distt. S.A.S Nagar (Mohali), Punjab	Work Order No. & Date	WORK ORDER DT:14.04.2022
		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	22/04/2022	Date of Receipt of Sample	23/04/2022
Sampling Location	At Project Site	Period of Analysis	23/04/2022 To 28/04/2022
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/m ³	89	100	IS: 5182 (Part-23)
2	Particulate Matter (as PM2.5)	µg/m ³	49	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3	Sulphur Dioxide (as SO ₂)	µg/m ³	12	80	IS: 5182 (Part-2)
4	Nitrogen Dioxide (as NO ₂)	µg/m ³	24	80	IS: 5182 (Part-6)
5	Ammonia (as NH ₃)	µg/m ³	15	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6	Ozone (as O ₃)	µg/m ³	32	180	IS: 5182 (Part-9)
7	Carbon Monoxide (as CO),	mg/m ³	0.69	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

Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT



ULR No. : TC747722000002505F		Test Report No. : EL230422NN003	
Type of Sample : Ambient Noise		Date of Reporting : 28/04/2022	
Customer	Group Housing Project "Green Lotus Saksham" By M/s Maya Builders Located at Village- Nabha & Chatt, Zirakpur, Distt. S.A.S Nagar (Mohali), Punjab	Work Order No. & Date	WORK ORDER DT:14.04.2022
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	22/04/2022	Date of Receipt of Sample	23/04/2022
Sampling Location	At Project Site	Period of Analysis	23/04/2022 To 23/04/2022
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)	51.9	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