



**State Level Environment Impact Assessment Authority, Punjab,
Government of India
Ministry of Environment and Forests**

Vatavaran Bhawan,
Nabha Road,
Patiala-147001
Telefax:- 0175-2215802

Registered

No. SEIAA/2015/175

Dated 16.01.2015

To

M/s Altus Space Builders Pvt. Ltd.,
SCO 22, First Floor,
Phase-X, Mohali

Subject: Environmental Clearance for development of a housing project namely "RESIDENTIAL MEGA TOWNSHIP" at Village Salamtur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area, Distt. S.A.S Nagar by M/s Greater Punjab Officers Corporative House Building Society and M/s Altus Space Builders Pvt. Ltd. (In joint Venture).

This has reference to your application and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) 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, 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 development of a housing project namely "RESIDENTIAL MEGA TOWNSHIP" at Village Salamtur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area, Distt. S.A.S Nagar. The total scheme area of the project is 287.90 acre (1165089.96 sqm) out of which net planned area is 204.30 acre (826772.767 sqm). The residential area is 393880.53 sqm, area under EWS is 64,304.548 sqm, commercial area is 42,977.615 sqm and area under public buildings such as schools, dispensary, community centre, post office, religious place etc. is 43,989.329 sqm. The total expected population will be 28,839 persons out of which under plots is 18,030 persons, under EWS 6356 persons, under group housing 2304 persons, under commercial use 1062 persons and under public buildings 1087 persons. Chief Town Planner, Punjab has granted permission for change of land use (CLU) vide Memo No. 8198 CTP(Pb) SP. 432(M) dated 17.11.2011, vide Memo No. 2042 CTP(PB) SP-432(M) Chandigarh 14.05.2012 and vide Memo No. 3480 CTP(Pb)/SP-432-(M) dated 25.06.2013. Chief Town Planner, Punjab, Chandigarh has approved the layout plan vide letter No. 2624-CTP(Pb) / MPM-141 dated 08.05.2014.

Total water requirement for the project will be 4100 KLD, out of which 3032 KLD will be met from own tubewell and remaining 1068 KLD will be met from treated wastewater. GMADA vide Memo D.E(P.H-1) 2014/2210 dated 23.05.2014 has issued a letter wherein it has been mentioned that the GMADA will account for the water supply and sewage load from the project while designing the trunk services on the peripheral grid roads of Mullanpur master plan. In case the GMADA is not able to supply the required quantity of water, to the project, the same will be met through groundwater. The total wastewater generation from the project will be 3280 KLD, which will be treated in a STP of 3.5 MLD capacity to be installed within the project premises. The project proponent has proposed to use 1068 KLD of treated wastewater for flushing purpose, 273 KLD for irrigation of green area and remaining 1939 KLD will be discharged to MC sewer in summer season. In winter season, 1068 KLD of treated wastewater will be used for flushing purpose, 89.4 KLD will be used for irrigation of green area and remaining 2122.6 KLD will be discharged to MC sewer. In rainy season, 1068 KLD of treated wastewater will be used for flushing purpose, 25 KLD will be used for irrigation of green area and remaining 2187 KLD will be discharged to MC sewer. The green area will be developed in an area measuring 49695.396 sqm. 100 nos of rainwater harvesting pits will be provided for replenishment of the groundwater. A three layer green buffer comprising of shrubs, plants of medium height and plants of bigger height will be provided around STP and MSW storage area.

The total quantity of solid waste to be generated from the proposed project has been estimated as 11.1 MT/Day, which will be segregated into biodegradable and non-biodegradable waste as per the MSW Rules, 2000. The biodegradable waste will be composted at site and non-biodegradable would be sent to approved dumping site. The recyclable waste would be sold to the recyclers. GMADA vide Memo D.E(P.H-1) 2014/2210 dated 23.05.2014 has issued a letter, wherein it has been mentioned that the quantity of garbage likely to be generated from the project will be considered while calculating the capacity of Common Solid waste management facility for GMADA cluster, proposed to be created by Dept. of Local govt., Punjab. 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 9598 KW which will be supplied by PSPCL. The project proponent has proposed to install DG sets, for backup power supply.

The Forest Department has issued NOC vide letter No. 7954 dated 18.12.2014, mentioning that no forest land is involved in the project.

Mr. Harpreet Singh, Authorized Representative of the promoter company will be responsible for implementation of Environment Management Plan for 5 years and after that the Resident Welfare Society will be responsible for the same. Rs. 60 crores will be incurred for implementation of EMP as capital cost and Rs. 1.25 crores will be incurred as recurring cost. The Association of the residents of the project will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.

Rs. 5 Crores will be utilized for the activities under Corporate Social Responsibility. Village Salamatpur and Saini Majra will be adopted for carrying out the Corporate Social Responsibility activities. The implementation of the Corporate Social Responsibility will be responsibility. Mr. Harpreet Singh, Authorized Representative of the Company. The following activities will be undertaken under Corporate Social Responsibility programme:

- Health Facilities like ambulance, health check up camps for family Planning, HIV Aids
- Educational programmes in the nearby villages.
- Social Awareness programmes
- Social Upliftment of nearby villages
- Promotions of sports, Arts & Culture
- Provision of primary school and infrastructure development.

The case was considered by the SEAC in its 96th meeting held on 23.07.2014 and 98th meeting held on 08.08.2014 wherein the ToRs were issued to the project proponent vide letter no. 2505 dated 14.08.2014. The case was lastly considered by the SEAC in its 105th meeting held on 19.12.2014, wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it, therefore, 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 under EIA notification dated 14.09.2006 subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 75th meeting held on 09.01.2015. The SEIAA observed that the case stands recommended by SEAC and the Committee awarded '**Silver Grading**' to the project proposal. The Authority looked into all the aspects of the project proposal in detail and was satisfied with the same.

Therefore, the Authority decided to grant environmental clearance for development of a housing project namely "Residential Mega Township" in the total area of 287.90 acres (1165089.96 sqm) having net planned area measuring 204.30

acre (826772.767 sqm) consisting of residential area 393880.53 sqm, area under EWS 64,304.548 sqm, commercial area 42,977.615 sqm and area under public buildings such as schools, dispensary, community centre, post office, religious place etc. 43,989.329 sqm in the revenue estate of Village Salamtpur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area, Distt. S.A.S Nagar, subject to the conditions 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.
- (vi) The project proponent shall frame guidelines for the energy conservation measures to be adopted by the individual plot/building owner(s) and impose a condition in this regard at the time of execution of sale deed.

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) Three layer green buffer will be provided around STP & MSW storage area.
- (vi) 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.
- (vii) 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.
- (viii) 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 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).
- (ix) Ready mixed concrete should be used in building construction as far as possible.
- (x) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.
- (xi) Separation of drinking water supply and treated sewage supply should be done by the use of different colours.
- (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.
- (xiii) 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.
- (xiv) 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.
- (xv) 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.
- (vi) The project proponent shall ensure that cutting & filling of earth work does not disturb the natural drainage pattern and flood pattern of the area.

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 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) The project proponent shall discharge not more than 1873 KLD wastewater into sewer during summer season, 2056.6 KLD wastewater into sewer during winter season and 2121 KLD wastewater into sewer during rainy season.
- iv) 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.

- v) 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.
- vi) Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.
- vii) Adequate treatment facility for drinking water shall be provided, if required.
- viii) 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.
- ix) 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.
- x) 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.
- xi) 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.
- xii) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.
- xiii) 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.
- xiv) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.
- xv) 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.
- xvi) The project proponent shall ensure the use of LED lamps in place of CFL lamps as committed before the SEAC.

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 1873 KLD wastewater into sewer during summer season, 2056.6 KLD wastewater into sewer during winter season and 2121 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, no run off from gardens/green area/roads/pavements shall be connected with the ground water recharging system.
- 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.
- 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 comply with the conditions imposed in the permission of change land use (CLU) granted by the Chief Town Planner, Punjab vide Memo No. 8198 CTP(Pb) SP. 432(M) dated 17.11.2011, vide Memo No. 2042 CTP(PB) SP-432(M) Chandigarh 14.05.2012 and vide Memo No. 3480 CTP(Pb)/SP-432-(M) dated 25.06.2013.
- vii) The project proponent shall obtain permission from CGWA for abstraction of groundwater.
- 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 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 and the SPCB/SEIAA.
- 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/State Level Environment Impact Assessment Authority.
- 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.
- 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 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) 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 and the SPCB/SEIAA.
- 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/State Level Environment Impact Assessment Authority.
- 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 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 and the SPCB/SEIAA.
- 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/State Level Environment Impact Assessment Authority.
- vii) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/measures in a time bound and satisfactory manner.
- viii) 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.

Sd/-

Member Secretary (SEIAA)

REGISTERED

Endst. No. 176-84

Dated 16.01.2015

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. Harpreet Singh
 - b) Contact Number : 0172-4003734
 - c) Email : info@altusspcebuilders.in
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)

TEST REPORT



ULR No. : TC747722000001272F		Test Report No. : EL040322EC002	
Type of Sample : Water (Ground Water)		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		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	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	Borewell- Project Site (Deep Aquifer-750 feet)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'S/04/01'		

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	-	7.80	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	495	500	2000	IS :3025 (Part-16)
6	Chloride as Cl	mg/l	59	250	250	IS: 3025 (Part-32)
7	Fluoride as F	mg/l	0.61	1.0	1.5	IS: 3025 (Part-60)
8	Iron as Fe	mg/l	0.24	1.0	No relaxation	IS: 3025 (Part-53)
9	Magnesium as Mg	mg/l	16	30	100	IS :3025 (Part-46)
10	Nitrate as NO3	mg/l	7.9	45	No relaxation	IS :3025 (Part-34) -Cl 3.3, Chromotropic Acid Method
11	Sulphate as SO4	mg/l	45	200	400	IS :3025 (Part-24) Cl 4.0
12	Total alkalinity as CaCO3	mg/l	355	200	600	IS :3025 (Part-23)
13	Total hardness as CaCO3	mg/l	190	200	600	IS :3025 (Part-21)
14	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
15	Calcium as Ca	mg/l	51	75	200	IS:3025 (Part-40)
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur
Authorized Signatory-Biological

Umesh Kumar
Authorized Signatory-Chemical

Terms and Conditions:

1. The results relate only to the items tested.
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14699



ULR No. : TC747722000001272F	Test Report No. : EL040322EC002
Type of Sample : Water (Ground Water)	Date of Reporting : 11/03/2022

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

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

Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT



ULR No. : NA		Test Report No. : EL040322EC002/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		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	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	Borewell- Project Site (Deep Aquifer-750 feet)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'S/04/01'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) CI 7.0

Remarks : This test report is the part of Test Report No.EL040322EC002

OTHER INFORMATION

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

End of Report



Umesh Kumar

Authorized Signatory-Chemical

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14536

TEST REPORT



ULR No. : TC74772200001273F		Test Report No. : EL040322EC003	
Type of Sample : Water (Ground Water)		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		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	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	Borewell- Project Site (Shallow Aquifer-500 feet)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'S/04/02'		

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	-	7.61	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	412	500	2000	IS :3025 (Part-16)
6	Chloride as Cl	mg/l	35	250	250	IS: 3025 (Part-32)
7	Fluoride as F	mg/l	0.48	1.0	1.5	IS: 3025 (Part-60)
8	Iron as Fe	mg/l	0.18	1.0	No relaxation	IS: 3025 (Part-53)
9	Magnesium as Mg	mg/l	14	30	100	IS :3025 (Part-46)
10	Nitrate as NO3	mg/l	5.2	45	No relaxation	IS :3025 (Part-34) -Cl 3.3,Chromotropic Acid Method
11	Sulphate as SO4	mg/l	28	200	400	IS :3025 (Part-24) CI 4.0
12	Total alkalinity as CaCO3	mg/l	320	200	600	IS :3025 (Part-23)
13	Total hardness as CaCO3	mg/l	170	200	600	IS :3025 (Part-21)
14	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
15	Calcium as Ca	mg/l	50	75	200	IS:3025 (Part-40)
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur

Authorized Signatory-Biological

Umesh Kumar

Authorized Signatory-Chemical

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14698



ULR No. : TC747722000001273F	Test Report No. : EL040322EC003
Type of Sample : Water (Ground Water)	Date of Reporting : 11/03/2022

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

Remarks : NA

OTHER INFORMATION

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

****End of Report****

Simranjit Kaur
Authorized Signatory-Biological



Umesh Kumar
Authorized Signatory-Chemical

TEST REPORT



ULR No. : NA		Test Report No. : EL040322EC003/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		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	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	Borewell- Project Site (Shallow Aquifer-500 feet)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'S/04/02'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) CI 7.0

Remarks : This test report is the part of Test Report No.EL040322EC003

OTHER INFORMATION

Abbreviation :

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

Terms & Conditions :

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TEST REPORT



ULR No. : TC74772200001271F		Test Report No. : EL040322EC001	
Type of Sample : Soil		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	From Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Brown Coloured Soil.		
Packing, Markings, Seal & Qty.	5 Kg Poly Bag Marked 'S/04/01'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.71	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.154	IS:14767
3	Moisture Content	%	10	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.35	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy Loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.45	IS: 2720 (Part-7)
7	Extractable / Available Sodium as Na	mg/kg	256	Lab SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
8	Extractable/ Available Potassium as K	mg/kg	148	SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
9	Available Nitrogen as N	%	6.7	SOP No. EL/SOP/SS/16, Issued No.-03 Nov 10
10	Available Phosphorus as P	mg/kg	135	SOP No. EL/SOP/SS/14, Issued No.-03 Nov 10

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

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14538

TEST REPORT



ULR No. : NA		Test Report No. : EL040322EC001/A	
Type of Sample : Soil		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	04/03/2022	Date of Receipt of Sample	04/03/2022
Sampling Location	From Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	04/03/2022 To 11/03/2022
Sample Description	Brown Coloured Soil.		
Packing, Markings, Seal & Qty.	5 Kg Poly Bag Marked 'S/04/01'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	Water Holding Capacity	%	23	Lab SOP:EL/SOP/SS/35
2	Porosity	%	45	Lab SOP:EL/SOP/SS/36
3	Sand	%	71	IS: 2720 (Part-4) 1985
4	Silt	%	14	IS: 2720 (Part-4) 1985
5	Permeability	cm/hr	1.42	Lab SOP:EL/SOP/SS/37
6	Cation Exchange Capacity	meq/100gm	0.42	Lab SOP:EL/SOP/SS/30
7	Sodium Absorption Ratio	meq/L	1.35	Lab SOP:EL/SOP/SS/31

Remarks : This test report is the part of Test Report No.EL040322EC001

OTHER INFORMATION

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14537

TEST REPORT

ULR No.	NA	Test Report No.	EL050322EC001
Type of Sample	Ambient Air	Date of Reporting	28/03/2022

Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt. 03/08/2018
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Customer reference No. (If any)	NA
Date of Sampling	03/03/22, 04/03/22, 10/03/22, 11/03/22, 17/03/22, 18/03/22, 24/03/22 & 25/03/22	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site	Date of Receipt of Sample	05/03/22, 12/03/22, 19/03/22 & 26/03/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Period of Analysis	05/03/22 to 28/03/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	03/03/22	04/03/22	10/03/22	11/03/22	17/03/22	18/03/22	24/03/22	25/03/22
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	90	86	92	84	89	80	95	87
2.	Particulate Matter (as PM _{2.5})	µg/m ³	49	46	51	43	48	39	54	47
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	13	11	14	12	13	10	13	12
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	28	23	29	24	27	22	28	26
5.	Ammonia (as NH ₃)	µg/m ³	20	19	21	20	18	19	17	18
6.	Ozone (as O ₃)	µg/m ³	27	28	28	29	30	29	31	30
7.	Carbon Monoxide (as CO)	mg/m ³	0.70	0.66	0.73	0.69	0.74	0.60	0.68	0.76
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations : ULR: Unique Lab Report, BDL: Below Detection Limit, 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

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14700

TEST REPORT

ULR No.	NA	Test Report No.	EL050322EC001/A
Type of Sample	Ambient Air	Date of Reporting	28/03/2022

Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt. 03/08/2018
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Customer reference No. (If any)	NA
Date of Sampling	03/03/22, 04/03/22, 10/03/22, 11/03/22, 17/03/22, 18/03/22, 24/03/22 & 25/03/22	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site	Date of Receipt of Sample	05/03/22, 12/03/22, 19/03/22 & 26/03/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Period of Analysis	05/03/22 to 28/03/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	03/03/22	04/03/22	10/03/22	11/03/22	17/03/22	18/03/22	24/03/22	25/03/22
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL050322EC001

Other Information

Abbreviations

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

Terms & Conditions

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S. No.	Test Parameter	Standards (NAAQS 2009)	Test Method
1.	Particulate Matter (PM10)	100	IS:5182 (P-23) 2006 RA 2017
2.	Particulate Matter (PM2.5)	60	Lab SOP EL/SOP/AAQ/01
3.	Sulphur Dioxide (SO2)	80	IS:5182 (P-2) 2001 RA 2017
4.	Oxides of Nitrogen (NO2)	80	IS:5182 (P-6) 2006 RA 2017
5.	Ammonia (NH3)	400	Lab SOP EL/SOP/AAQ/02
6.	Ozone (O3)	180	IS:5182 (P-9): 1974, RA 2019
7.	Carbon Monoxide (CO)	04	IS 5182 (P-10): :1999, RA 2019
8.	Lead (Pb)	1.0	IS:5182 (P-22):2004 RA 2014
9.	Arsenic (as As)	06	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
10.	Nickel (as Ni)	20	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
11.	Benzo-a-pyrene (BaP), Particulate Phase Only	01	IS:5182 (P-12) 2004 RA 2019
12.	Benzene (as C6H6)	05	IS: 5182 (Part-11)



TEST REPORT



ULR No. : TC747722000001295f		Test Report No. : EL050322EC002	
Type of Sample : Ambient Noise		Date of Reporting : 11/03/2022	
Customer	Expansion of Residential Mega Township By M/s Greater Punjab Officers Co-operative House Building Society & M/s Altus Space Builders Pvt. Ltd. Located at Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra, Ghandauli, SAS Nagar, Mohali, Punjab	Work Order No. & Date	WO NO. ASB/ECO/2018/80 Dt.: 03/08/2018
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	04/03/2022	Date of Receipt of Sample	05/03/2022
Sampling Location	Project Site^	Period of Analysis	05/03/2022 To 05/03/2022
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.	Location^	Unit	Result	Test Method
1	Corner No.1 (Day Time)	dB(A)	59.4	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
2	Corner No.1 (Night Time)	dB(A)	46.5	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
3	Corner No.2 (Day Time)	dB(A)	63.8	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
4	Corner No.2 (Night Time)	dB(A)	51.5	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
5	Corner No.3 (Day Time)	dB(A)	59.4	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
6	Corner No.3 (Night Time)	dB(A)	47.5	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
7	Corner No.4 (Day Time)	dB(A)	63.3	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
8	Corner No.4 (Night Time)	dB(A)	52.7	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
9	Centre (Day Time)	dB(A)	58.3	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
10	Centre (Night Time)	dB(A)	46.8	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10



Umesh Kumar

Authorized Signatory-Chemical

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14534



ULR No. : TC747722000001295F

Test Report No. : EL050322EC002

Type of Sample : Ambient Noise

Date of Reporting : 11/03/2022

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

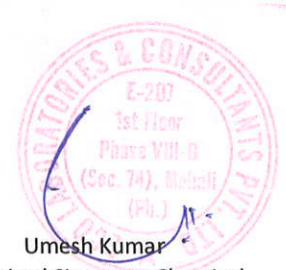
Remarks : NA

OTHER INFORMATION

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

****End of Report****



Umesh Kumar
Authorized Signatory-Chemical



TEST REPORT



TC-7477

ULR No. : TC747721000008099F		Test Report No. : EL271221EC009	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell Near Gurudwara Sahib Vill.Tira	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/05'		

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	-	7.36	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	430	500	2000	IS :3025 (Part-16)
6	Calcium as Ca	mg/l	64	75	200	IS:3025 (Part-40)
7	Chloride as Cl	mg/l	31	250	250	IS: 3025 (Part-32)
8	Fluoride as F	mg/l	0.75	1.0	1.5	IS: 3025 (Part-60)
9	Iron as Fe'	mg/l	0.22	1.0	No relaxation	IS: 3025 (Part-53)
10	Magnesium as Mg	mg/l	13	30	100	IS :3025 (Part-46)
11	Nitrate as NO3	mg/l	11	45	No relaxation	IS :3025 (Part-34) -Cl 3.3,Chromotropic Acid Method
12	Sulphate as SO4	mg/l	48	200	400	IS :3025 (Part-24) CI 4.0
13	Total alkalinity as CaCO3	mg/l	235	200	600	IS :3025 (Part-23)
14	Total hardness as CaCO3.	mg/l	214	200	600	APHA-23rd Ed -2340C EDTA Method
15	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur

Authorized Signatory-Biological

Tanu Sharma

Authorized Signatory-Chemical

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TC-7477

ULR No. : TC747721000008099F	Test Report No. : EL271221EC009
Type of Sample : Water (Ground Water)	Date of Reporting : 03/01/2022

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

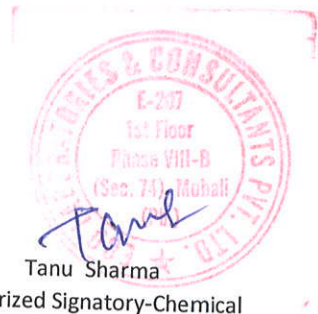
Remarks : NA

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. : NA		Test Report No. : EL271221EC009/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell Near Gurudwara Sahib Vill.Tira	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/05'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) CI 7.0

Remarks : This test report is the part of Test Report No.EL271221EC009

OTHER INFORMATION

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TEST REPORT



ULR No. : TC747721000008102.		Test Report No. : EL271221EC012	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Siswan Nadi (Upstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Liquid with slightly settleable particles.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/08'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Conductivity	µmho/cm	925	IS :3025 (Part-14)
2	pH @ 25°C	-	7.03	IS: 3025 (Part-11)
3	Biochemical Oxygen Demand (BOD)	mg/l	21	IS: 3025 (Part-44): BOD 3-days at 27°C
4	Oxygen Dissolved (DO)	mg/l	3.5	IS :3025 (Part-38)
5	Sodium Absorption Ratio	-	1.68	IS: 11624

Remarks : NA

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC012/A	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Siswan Nadi (Upstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Liquid with slightly settleable particles.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/08'		

RESULTS

I -Chemical Testing

1. Water (Surface Water)

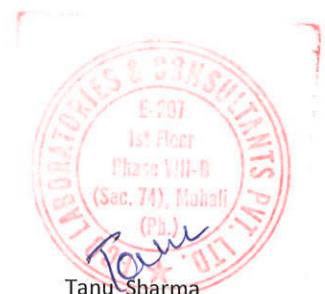
S.No.	Test Parameter	Unit	Result	Test Method
1	Ammonia	mg/l	5.6	IS:3025(P-34): 2005 RA 2019
2	Boron	mg/l	BDL(DL1)	IS:3025(P-57)

Remarks : This test report is the part of Test Report No. EL271221EC012.

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TEST REPORT

ULR No. : TC747721000008096F		Test Report No. : EL271221EC006	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/01'		

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	-	7.12	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	412	500	2000	IS :3025 (Part-16)
6	Calcium as Ca	mg/l	59	75	200	IS:3025 (Part-40)
7	Chloride as Cl	mg/l	28	250	250	IS: 3025 (Part-32)
8	Fluoride as F	mg/l	0.71	1.0	1.5	IS: 3025 (Part-60)
9	Iron as Fe'	mg/l	0.20	1.0	No relaxation	IS: 3025 (Part-53)
10	Magnesium as Mg	mg/l	16	30	100	IS :3025 (Part-46)
11	Nitrate as NO3	mg/l	10	45	No relaxation	IS :3025 (Part-34) -CI 3.3,Chromotropic Acid Method
12	Sulphate as SO4	mg/l	42	200	400	IS :3025 (Part-24) CI 4.0
13	Total alkalinity as CaCO3	mg/l	230	200	600	IS :3025 (Part-23)
14	Total hardness as CaCO3.	mg/l	212	200	600	APHA-23rd Ed -2340C EDTA Method
15	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur
Authorized Signatory-Biological

Tanu Sharma
Authorized Signatory-Chemical

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13891



TC-7477

ULR No. : TC747721000008096F

Test Report No. : EL271221EC006

Type of Sample : Water (Ground Water)

Date of Reporting : 03/01/2022

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

Remarks : NA


OTHER INFORMATION

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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. : NA		Test Report No. : EL271221EC006/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/01'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) CI 7.0

Remarks : This test report is the part of Test Report No.EL271221EC006

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)

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TEST REPORT



ULR No. : TC747721000008098F		Test Report No. : EL271221EC008	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (Gurudwara Sahib Vill.Malakpur)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/06'		

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	-	7.24	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	385	500	2000	IS :3025 (Part-16)
6	Calcium as Ca	mg/l	62	75	200	IS:3025 (Part-40)
7	Chloride as Cl	mg/l	22	250	250	IS: 3025 (Part-32)
8	Fluoride as F	mg/l	0.73	1.0	1.5	IS: 3025 (Part-60)
9	Iron as Fe'	mg/l	0.21	1.0	No relaxation	IS: 3025 (Part-53)
10	Magnesium as Mg	mg/l	14	30	100	IS :3025 (Part-46)
11	Nitrate as NO3	mg/l	8.7	45	No relaxation	IS :3025 (Part-34) -Cl 3.3,Chromotropic Acid Method
12	Sulphate as SO4	mg/l	41	200	400	IS :3025 (Part-24) Cl 4.0
13	Total alkalinity as CaCO3	mg/l	225	200	600	IS :3025 (Part-23)
14	Total hardness as CaCO3	mg/l	210	200	600	IS :3025 (Part-21)
15	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur

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Tanu Sharma

Authorized Signatory-Chemical

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TC-7477

ULR No. : TC747721000008098F	Test Report No. : EL271221EC008
Type of Sample : Water (Ground Water)	Date of Reporting : 03/01/2022

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

Remarks : NA

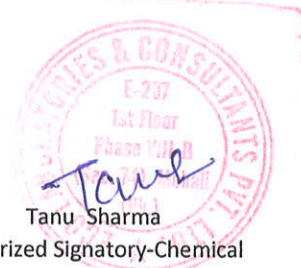
OTHER INFORMATION

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)

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC008/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (Gurudwara Sahib Vill.Malakpur)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/06'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) Cl 7.0

Remarks : This test report is the part of Test Report No.EL271221EC008

OTHER INFORMATION

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TEST REPORT



TC-7477

ULR No. : TC747721000008097F		Test Report No. : EL271221EC007	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (MC Pump House; Vill.Jhampur)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/04'		

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	-	7.08	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
5	Total Dissolved Solids	mg/l	362	500	2000	IS :3025 (Part-16)
6	Calcium as Ca	mg/l	55	75	200	IS:3025 (Part-40)
7	Chloride as Cl	mg/l	20	250	250	IS: 3025 (Part-32)
8	Fluoride as F	mg/l	0.62	1.0	1.5	IS: 3025 (Part-60)
9	Iron as Fe'	mg/l	0.19	1.0	No relaxation	IS: 3025 (Part-53)
10	Magnesium as Mg	mg/l	17	30	100	IS :3025 (Part-46)
11	Nitrate as NO3	mg/l	8.9	45	No relaxation	IS :3025 (Part-34) -Cl 3.3,Chromotropic Acid Method
12	Sulphate as SO4	mg/l	35	200	400	IS :3025 (Part-24) Cl 4.0
13	Total alkalinity as CaCO3	mg/l	210	200	600	IS :3025 (Part-23)
14	Total hardness as CaCO3.	mg/l	204	200	600	APHA-23rd Ed -2340C EDTA Method
15	Zinc as Zn.	mg/l	BDL(DL0.1)	5	15	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
16	Total Suspended Solids	mg/l	BDL(DL5)	-	-	IS :3025 (Part-17)

Simranjit Kaur

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Tanu Sharma

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ULR No. : TC747721000008097F
Type of Sample : Water (Ground Water)

Test Report No. : EL271221EC007
Date of Reporting : 03/01/2022

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

Remarks : NA

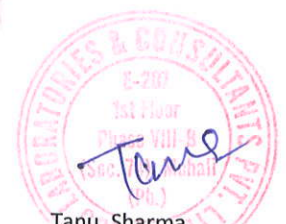
OTHER INFORMATION

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC007/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Borewell (MC Pump House; Vill.Jhampur)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Clear Colourless Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/04'		

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	Copper as Cu.	mg/l	BDL(DL0.02)	0.05	1.5	APHA-23rd Ed -3111B A-Ac Flame AAS Method
2	Cadmium as Cd.	mg/l	BDL(DL0.001)	0.003	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
3	Cyanide as CN	mg/l	BDL(DL0.01)	0.05	No relaxation	IS:3025 (Part-27)
4	Lead as Pb.	mg/l	BDL(DL0.01)	0.01	No relaxation	APHA-23rd Ed- 3111B A-Ac Flame AAS Method
5	Total chromium as Cr	mg/l	BDL(DL0.05)	0.05	No relaxation	IS :3025 (Part-52) Cl 7.0

Remarks : This test report is the part of Test Report No.EL271221EC007

OTHER INFORMATION

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TEST REPORT



ULR No. : TC747721000008103F		Test Report No. : EL271221EC013	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Patiala Ki Rao (Downstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brownish Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/07'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Conductivity	µmho/cm	921	IS :3025 (Part-14)
2	pH @ 25°C	-	7.41	IS: 3025 (Part-11)
3	Biochemical Oxygen Demand (BOD)	mg/l	28	IS: 3025 (Part-44): BOD 3-days at 27°C
4	Oxygen Dissolved (DO)	mg/l	2.5	IS :3025 (Part-38)
5	Sodium Absorption Ratio	-	1.62	IS: 11624

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)

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC013/A	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Patiala Ki Rao (Downstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brownish Liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/07'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Ammonia	mg/l	6.9	IS:3025(P-34): 2005 RA 2019
2	Boron	mg/l	BDL(DL5)	IS:3025(P-57)

Remarks : This test report is the part of Test Report No. EL271221EC013.

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)

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TEST REPORT



ULR No. : TC747721000008100F		Test Report No. : EL271221EC010	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Customer reference No. (if any)	NA
Date of Sampling	27/12/2021	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	From Patiala Ki Rao (Upstream)	Date of Receipt of Sample	27/12/2021
Testing Protocol	IS & APHA	Testing Location	Permanent Facility
Sample Description	Slightly Brownish liquid.	Period of Analysis	27/12/2021 To 03/01/2022
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/03'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Conductivity	µmho/cm	915	IS :3025 (Part-14)
2	pH @ 25°C	-	7.35	IS: 3025 (Part-11)
3	Biochemical Oxygen Demand (BOD)	mg/l	25	IS: 3025 (Part-44): BOD 3-days at 27°C
4	Oxygen Dissolved (DO)	mg/l	3.0	IS :3025 (Part-38)
5	Sodium Absorption Ratio	-	1.58	IS: 11624

Remarks : NA

OTHER INFORMATION

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC010/A	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Patiala Ki Rao (Upstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Slightly Brownish liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/03'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Ammonia	mg/l	6.3	IS:3025(P-34): 2005 RA 2019
2	Boron	mg/l	BDL(DL1)	IS:3025(P-57)

Remarks :

This test report is the part of Test Report No.EL271221EC010

OTHER INFORMATION

Abbreviation :

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

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TEST REPORT



ULR No. : TC747721000008101F		Test Report No. : EL271221EC011	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Customer reference No. (If any)	NA
Date of Sampling	27/12/2021	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	From Siswan Nadi (Downstream)	Date of Receipt of Sample	27/12/2021
Testing Protocol	IS & APHA	Testing Location	Permanent Facility
Sample Description	Liquid with settleable particles.	Period of Analysis	27/01/2022 To 03/01/2022
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/02'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Conductivity	µmho/cm	932	IS :3025 (Part-14)
2	pH @ 25°C	-	7.08	IS: 3025 (Part-11)
3	Biochemical Oxygen Demand (BOD)	mg/l	22	IS: 3025 (Part-44): BOD 3-days at 27°C
4	Oxygen Dissolved (DO)	mg/l	3.2	IS :3025 (Part-38)
5	Sodium Absorption Ratio	-	1.82	IS: 11624

Remarks : NA

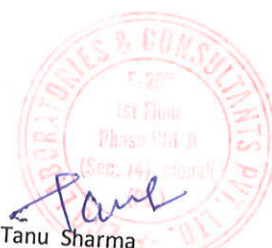
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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC011/A	
Type of Sample : Water (Surface Water)		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		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	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	From Siswan Nadi (Downstream)	Testing Location	Permanent Facility
Testing Protocol	IS & APHA	Period of Analysis	27/01/2022 To 03/01/2022
Sample Description	Liquid with settleable particles.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'B/27/02'		

RESULTS

I-Chemical Testing

1. Water (Surface Water)

S.No.	Test Parameter	Unit	Result	Test Method
1	Ammonia	mg/l	5.8	IS:3025(P-34): 2005 RA 2019
2	Boron	mg/l	BDL(DL1)	IS:3025(P-57)

Remarks : This test report is the part of Test Report No.EL271221EC011

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TC-7477



TEST REPORT

ULR No. : TC747721000008095F		Test Report No. : EL271221EC005	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Agricultural Land Near Gurudwara Sahib Vill.Tira	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '01'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.68	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.284	IS:14767
3	Moisture Content	%	8.9	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.24	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy Clay Loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.49	IS: 2720 (Part-7)
7	Extractable / Available Sodium as Na	mg/kg	215	Lab SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
8	Extractable/ Available Potassium as K	mg/kg	158	SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
9	Available Nitrogen as N	%	6.4	SOP No. EL/SOP/SS/16, Issued No.-03 Nov 10
10	Available Phosphorus as P	mg/kg	134	SOP No. EL/SOP/SS/14, Issued No.-03 Nov 10

Remarks : NA

OTHER INFORMATION

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC005/A	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Agricultural Land Near Gurudwara Sahib Vill.Tira	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '01'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	Water Holding Capacity	%	28	Lab SOP:EL/SOP/SS/35
2	Porosity	%	46	Lab SOP:EL/SOP/SS/36
3	Sand	%	63	IS: 2720 (Part-4) 1985
4	Silt	%	19	IS: 2720 (Part-4) 1985
5	Permeability	cm/hr	1.38	Lab SOP:EL/SOP/SS/37
6	Cation Exchange Capacity	meq/100gm	0.89	Lab SOP:EL/SOP/SS/30
7	Sodium Absorption Ratio	meq/L	2.08	Lab SOP:EL/SOP/SS/31

Remarks : This test report is the part of Test Report No.EL271221EC005

OTHER INFORMATION

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TEST REPORT



ULR No. : TC747721000008092f		Test Report No. : EL271221EC002	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Near Gugga Madi, Vill. Jhampur	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '02'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.75	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.256	IS:14767
3	Moisture Content	%	9.6	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.02	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy Clay Loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.45	IS: 2720 (Part-7)
7	Extractable / Available Sodium as Na	mg/kg	256	Lab SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
8	Extractable/ Available Potassium as K	mg/kg	195	SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
9	Available Nitrogen as N	%	6.9	SOP No. EL/SOP/SS/16, Issued No.-03 Nov 10
10	Available Phosphorus as P	mg/kg	125	SOP No. EL/SOP/SS/14, Issued No.-03 Nov 10

Remarks : NA

OTHER INFORMATION

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC002/A	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Near Gugga Madi, Vill. Jhampur	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '02'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	Water Holding Capacity	%	27	Lab SOP:EL/SOP/SS/35
2	Porosity	%	44	Lab SOP:EL/SOP/SS/36
3	Sand	%	60	IS: 2720 (Part-4) 1985
4	Silt	%	17	IS: 2720 (Part-4) 1985
5	Permeability	cm/hr	1.48	Lab SOP:EL/SOP/SS/37
6	Cation Exchange Capacity	meq/100gm	0.95	Lab SOP:EL/SOP/SS/30
7	Sodium Absorption Ratio	meq/L	2.15	Lab SOP:EL/SOP/SS/31

Remarks : This test report is the part of Test Report No.EL271221EC002

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TEST REPORT



ULR No. : TC747721000008093F		Test Report No. : EL271221EC003	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Govt. Middle School, Vill. Malakpur	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '03'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.68	IS:2720 (Part-26) CI-2,
2	Conductivity	mmhos/cm	0.312	IS:14767
3	Moisture Content	%	10	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.08	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy Clay Loam	IS:2720 (Part-4) CI 2,4,
6	Bulk Density	gm/cc	1.42	IS: 2720 (Part-7)
7	Extractable / Available Sodium as Na	mg/kg	179	Lab SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
8	Extractable/ Available Potassium as K	mg/kg	125	SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
9	Available Nitrogen as N	%	5.9	SOP No. EL/SOP/SS/16, Issued No.-03 Nov 10
10	Available Phosphorus as P	mg/kg	108	SOP No. EL/SOP/SS/14, Issued No.-03 Nov 10

Remarks : NA

OTHER INFORMATION

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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC003/A	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	Govt. Middle School, Vill. Malakpur	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked '03'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	Water Holding Capacity	%	26	Lab SOP:EL/SOP/SS/35
2	Porosity	%	48	Lab SOP:EL/SOP/SS/36
3	Sand	%	58	IS: 2720 (Part-4) 1985
4	Silt	%	19	IS: 2720 (Part-4) 1985
5	Permeability	cm/hr	1.46	Lab SOP:EL/SOP/SS/37
6	Cation Exchange Capacity	meq/100gm	0.99	Lab SOP:EL/SOP/SS/30
7	Sodium Absorption Ratio	meq/L	2.65	Lab SOP:EL/SOP/SS/31

Remarks : This test report is the part of Test Report No.EL271221EC003

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TEST REPORT

ULR No. : TC74772100008094f		Test Report No. : EL271221EC004	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	At Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked 'B/27/08'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.45	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.289	IS:14767
3	Moisture Content	%	9.5	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	0.94	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy Clay Loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.39	IS: 2720 (Part-7)
7	Extractable / Available Sodium as Na	mg/kg	182	Lab SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
8	Extractable/ Available Potassium as K	mg/kg	165	SOP No. EL/SOP/SS/10, Issued No.-03 Nov 10
9	Available Nitrogen as N	%	5.7	SOP No. EL/SOP/SS/16, Issued No.-03 Nov 10
10	Available Phosphorus as P	mg/kg	123	SOP No. EL/SOP/SS/14, Issued No.-03 Nov 10

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



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TEST REPORT

ULR No. : NA		Test Report No. : EL271221EC004/A	
Type of Sample : Soil		Date of Reporting : 03/01/2022	
Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 Dt.: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	27/12/2021	Date of Receipt of Sample	27/12/2021
Sampling Location	At Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	27/12/2021 To 03/01/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5Kg Poly Bag Marked 'B/27/08'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	Water Holding Capacity	%	25	Lab SOP:EL/SOP/SS/35
2	Porosity	%	43	Lab SOP:EL/SOP/SS/36
3	Sand	%	62	IS: 2720 (Part-4) 1985
4	Silt	%	18	IS: 2720 (Part-4) 1985
5	Permeability	cm/hr	1.45	Lab SOP:EL/SOP/SS/37
6	Cation Exchange Capacity	meq/100gm	1.02	Lab SOP:EL/SOP/SS/30
7	Sodium Absorption Ratio	meq/L	2.21	Lab SOP:EL/SOP/SS/31

Remarks : This test report is the part of Test Report No.EL271221EC004

OTHER INFORMATION

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TEST REPORT



ULR No.	TC747721000008226F	Test Report No	EL291221EC030
Type of Sample	Ambient Noise	Date of Reporting	30/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 9989:1981, RA 2008	Customer reference No. (If any)	NA
Date of Sampling	27/12/2021	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site^	Date of Receipt of Sample	29/12/2021
Testing Protocol	IS: 9989:1981, RA 2008	Period of Analysis	29/12/2021 to 29/12/2021
Testing Location	On Site & Permanent Facility		

TEST RESULTS

S. No.	Location	Unit	Result		Test Method
			Day Time	Night Time	
1.	Corner No.1	dB(A)	54.6	43.1	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
2.	Corner No.2	dB(A)	50.8	41.2	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
3.	Corner No.3	dB(A)	53.6	43.3	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
4.	Corner No.4	dB(A)	54.1	43.8	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
5.	Centre	dB(A)	58.6	48.9	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

Abbreviations : ULR-Unique Lab Report; NA: Not Applicable

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

End of Report



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TC-7477

TEST REPORT

ULR No.	TC747721000008227F	Test Report No	EL291221EC031
Type of Sample	Ambient Noise	Date of Reporting	30/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 9989:1981, RA 2008	Customer reference No. (If any)	NA
Date of Sampling	28/12/2021	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Refer below^	Date of Receipt of Sample	29/12/2021
Testing Protocol	IS: 9989:1981, RA 2008	Period of Analysis	29/12/2021 to 29/12/2021
Testing Location	On Site & Permanent Facility		

TEST RESULTS

S. No.	Location	Unit	Result		Test Method
			Day Time	Night Time	
1.	Govt. Primary School, Jhampur	dB(A)	47.8	38.6	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
2.	Govt. Middle School, Malakpur	dB(A)	48.9	38.1	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10
3.	Gurudwara Sahib, Tira	dB(A)	53.6	42.2	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.

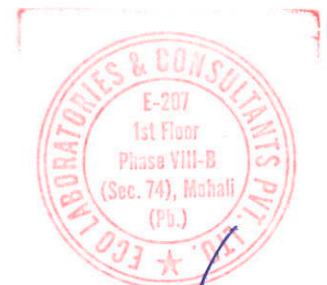
Remarks : NA

Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC009
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Jhampur	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/10/21 to 03/11/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	89	77	82	78	89	80	86	90
2.	Particulate Matter (as PM _{2.5})	µg/m ³	50	38	42	39	48	41	46	51
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	12	14	13	11	12	11	13	12
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	25	28	26	24	24	22	27	25
5.	Ammonia (as NH ₃)	µg/m ³	16	15	17	16	23	24	17	18
6.	Ozone (as O ₃)	µg/m ³	21	22	20	23	19	19	20	22
7.	Carbon Monoxide (as CO)	mg/m ³	0.69	0.65	0.73	0.62	0.66	0.60	0.68	0.71
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations

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TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC009/A
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Sampling Location	Vill. Jhampur	Period of Analysis	08/10/21 to 03/11/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081021EC009

Other Information

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

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S. No.	Test Parameter	Standards (NAAQS 2009)	Test Method
1.	Particulate Matter (PM ₁₀)	100	IS:5182 (P-23)
2.	Particulate Matter (PM _{2.5})	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3.	Sulphur Dioxide (SO ₂)	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO ₂)	80	IS:5182 (P-6)
5.	Ammonia (NH ₃)	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6.	Ozone (O ₃)	180	IS:5182 (P-9)
7.	Carbon Monoxide (CO)	04	IS: 5182 (Part-10), NDIR Method
8.	Lead (Pb)	1.0	IS:5182 (P-22)
9.	Arsenic (As)	06	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
10.	Nickel (Ni)	20	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
11.	Benzene (C ₆ H ₆)	05	IS:5182 (P-11)
12.	Benzo-a-pyrene (BaP), Particulate Phase Only	01	IS:5182 (P-12)



TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC010
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/10/21 to 03/11/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	87	93	90	88	95	86	91	98
2.	Particulate Matter (as PM _{2.5})	µg/m ³	49	53	50	48	45	46	51	58
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	13	11	14	12	11	13	12	14
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	26	23	29	25	23	27	26	28
5.	Ammonia (as NH ₃)	µg/m ³	17	18	17	16	23	24	18	18
6.	Ozone (as O ₃)	µg/m ³	22	24	20	22	17	16	21	23
7.	Carbon Monoxide (as CO)	mg/m ³	0.68	0.64	0.72	0.68	0.76	0.65	0.68	0.71
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations

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TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC010/A
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/10/21 to 03/11/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081021EC010

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S. No.	Test Parameter	Standards (NAAQS 2009)	Test Method
1.	Particulate Matter (PM ₁₀)	100	IS:5182 (P-23)
2.	Particulate Matter (PM _{2.5})	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3.	Sulphur Dioxide (SO ₂)	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO ₂)	80	IS:5182 (P-6)
5.	Ammonia (NH ₃)	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6.	Ozone (O ₃)	180	IS:5182 (P-9)
7.	Carbon Monoxide (CO)	04	IS: 5182 (Part-10), NDIR Method
8.	Lead (Pb)	1.0	IS:5182 (P-22)
9.	Arsenic (As)	06	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
10.	Nickel (Ni)	20	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
11.	Benzene (C ₆ H ₆)	05	IS:5182 (P-11)
12.	Benzo-a-pyrene (BaP), Particulate Phase Only	01	IS:5182 (P-12)



TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC011
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Tira	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/10/21 to 03/11/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	83	90	87	80	85	88	80	89
2.	Particulate Matter (as PM _{2.5})	µg/m ³	43	50	48	40	46	52	40	50
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	12	11	13	11	12	14	12	13
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	25	24	26	23	23	28	26	27
5.	Ammonia (as NH ₃)	µg/m ³	17	16	18	17	23	24	19	18
6.	Ozone (as O ₃)	µg/m ³	21	23	20	22	18	16	21	24
7.	Carbon Monoxide (as CO)	mg/m ³	0.68	0.65	0.72	0.68	0.63	0.70	0.65	0.69
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

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

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TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC011/A
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Sampling Location	Vill. Tira	Period of Analysis	08/10/21 to 03/11/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081021EC011

Other Information

Abbreviations

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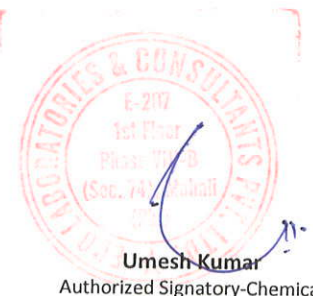
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S. No.	Test Parameter	Standards (NAAQS 2009)	Test Method
1.	Particulate Matter (PM ₁₀)	100	IS:5182 (P-23)
2.	Particulate Matter (PM _{2.5})	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3.	Sulphur Dioxide (SO ₂)	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO ₂)	80	IS:5182 (P-6)
5.	Ammonia (NH ₃)	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6.	Ozone (O ₃)	180	IS:5182 (P-9)
7.	Carbon Monoxide (CO)	04	IS: 5182 (Part-10), NDIR Method
8.	Lead (Pb)	1.0	IS:5182 (P-22)
9.	Arsenic (As)	06	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
10.	Nickel (Ni)	20	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
11.	Benzene (C ₆ H ₆)	05	IS:5182 (P-11)
12.	Benzo-a-pyrene (BaP), Particulate Phase Only	01	IS:5182 (P-12)



TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC012
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Malakpur	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/10/21 to 03/11/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	83	71	77	69	78	83	78	75
2.	Particulate Matter (as PM _{2.5})	µg/m ³	44	36	38	35	44	48	40	42
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	11	10	12	11	10	9	12	10
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	23	22	25	21	22	19	24	22
5.	Ammonia (as NH ₃)	µg/m ³	17	18	17	16	24	23	18	17
6.	Ozone (as O ₃)	µg/m ³	22	23	21	23	18	17	20	22
7.	Carbon Monoxide (as CO)	mg/m ³	0.67	0.57	0.65	0.54	0.57	0.59	0.61	0.52
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene {as B(a)P}, Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

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TEST REPORT

ULR No.	NA	Test Report No.	EL081021EC012/A
Type of Sample	Ambient Air	Date of Reporting	03/11/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/10/21, 07/10/21, 13/10/21,14/10/21, 20/10/21, 21/10/21, 27/10/21, 28/10/21,	Date of Receipt of Sample	08/10/21, 15/10/21, 22/10/21 & 29/10/21
Sampling Location	Vill. Malakpur	Period of Analysis	08/10/21 to 03/11/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-07/10/21: Partially Cloudy 13-21/10/21: Clear sky 27/10/21: Partially Cloudy 28/10/21: Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/10/21	07/10/21	13/10/21	14/10/21	20/10/21	21/10/21	27/10/21	28/10/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
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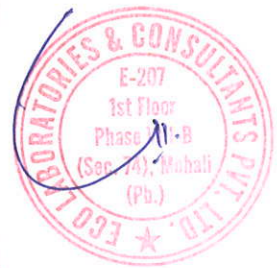
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1.	Particulate Matter (PM ₁₀)	100	IS:5182 (P-23)
2.	Particulate Matter (PM _{2.5})	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3.	Sulphur Dioxide (SO ₂)	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO ₂)	80	IS:5182 (P-6)
5.	Ammonia (NH ₃)	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6.	Ozone (O ₃)	180	IS:5182 (P-9)
7.	Carbon Monoxide (CO)	04	IS: 5182 (Part-10), NDIR Method
8.	Lead (Pb)	1.0	IS:5182 (P-22)
9.	Arsenic (As)	06	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
10.	Nickel (Ni)	20	Lab SOP: EL/SOP/AAQ/04, Issue No. -03, Jan 01
11.	Benzene (C ₆ H ₆)	05	IS:5182 (P-11)
12.	Benzo-a-pyrene (BaP), Particulate Phase Only	01	IS:5182 (P-12)



TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC001
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Sampling Location	Vill. Jhampur	Period of Analysis	10/11/21 to 06/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	74	83	91	86	78	103	94	105
2.	Particulate Matter (as PM _{2.5})	µg/m ³	39	43	51	46	41	59	55	62
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	11	13	12	13	11	12	14	13
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	23	26	25	27	23	24	28	27
5.	Ammonia (as NH ₃)	µg/m ³	19	16	17	16	18	19	17	20
6.	Ozone (as O ₃)	µg/m ³	21	22	22	23	20	21	20	22
7.	Carbon Monoxide (as CO)	mg/m ³	0.57	0.67	0.63	0.68	0.61	0.69	0.74	0.72
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations : ULR: Unique Lab Report, BDL: Below Detection Limit, NA: Not Applicable

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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC001/A
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Sampling Location	Vill. Jhampur	Period of Analysis	10/11/21 to 06/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL101121EC001

Other Information

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7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC002
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Customer reference No. (If any)	NA	Mode of Collection of Sample	Sampling by laboratory
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Period of Analysis	10/11/21 to 06/12/21
Sampling Location	Vill. Malakpur	Environmental Conditions	Clear sky
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Testing Location	On Site & Permanent Facility

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	71	78	82	74	70	88	90	96
2.	Particulate Matter (as PM _{2.5})	µg/m ³	36	40	43	38	35	48	50	56
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	9	11	10	12	9	11	13	12
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	20	22	21	24	21	23	26	25
5.	Ammonia (as NH ₃)	µg/m ³	17	16	17	18	19	17	18	20
6.	Ozone (as O ₃)	µg/m ³	22	21	23	22	21	21	20	21
7.	Carbon Monoxide (as CO)	mg/m ³	0.56	0.64	0.66	0.63	0.53	0.62	0.65	0.59
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations

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TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC002/A
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Sampling Location	Vill. Malakpur	Period of Analysis	10/11/21 to 06/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL101121EC002

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TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC003
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Tira	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	10/11/21 to 06/12/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	78	83	89	80	90	105	96	109
2.	Particulate Matter (as PM _{2.5})	µg/m ³	40	49	54	45	51	63	56	68
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	10	12	11	13	10	12	13	13
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	20	24	23	25	21	25	28	26
5.	Ammonia (as NH ₃)	µg/m ³	17	16	18	16	17	19	18	20
6.	Ozone (as O ₃)	µg/m ³	22	21	23	22	21	21	20	21
7.	Carbon Monoxide (as CO)	mg/m ³	0.68	0.65	0.73	0.66	0.68	0.63	0.72	0.70
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

Abbreviations : ULR: Unique Lab Report, BDL: Below Detection Limit, NA: Not Applicable

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TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC003/A
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Sampling Location	Vill. Tira	Period of Analysis	10/11/21 to 06/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL101121EC003

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TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC004
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Project Site	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	10/11/21 to 06/12/21
Testing Location	On Site & Permanent Facility	Environmental Conditions	Clear sky

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	82	87	92	103	90	108	98	115
2.	Particulate Matter (as PM _{2.5})	µg/m ³	42	48	52	62	50	67	58	70
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	10	12	11	10	12	11	13	12
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	21	24	23	21	24	23	27	25
5.	Ammonia (as NH ₃)	µg/m ³	18	19	16	17	19	20	19	20
6.	Ozone (as O ₃)	µg/m ³	23	22	22	21	22	20	21	21
7.	Carbon Monoxide (as CO)	mg/m ³	0.70	0.64	0.66	0.70	0.65	0.69	0.71	0.77
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

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

****End of Report****

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TEST REPORT

ULR No.	NA	Test Report No.	EL101121EC004/A
Type of Sample	Ambient Air	Date of Reporting	06/12/2021

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	08/11/21, 09/11/21, 15/11/21, 16/11/21, 22/11/21, 23/11/21, 29/11/21, 30/11/21,	Date of Receipt of Sample	10/11/21, 17/11/21, 24/11/21 & 01/12/21
Sampling Location	Project Site	Period of Analysis	10/11/21 to 06/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	Clear sky
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	08/11/21	09/11/21	15/11/21	16/11/21	22/11/21	23/11/21	29/11/21	30/11/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL101121EC004

Other Information

Abbreviations : ULR: Unique Lab Report, BDL: Below Detection Limit, NA: Not Applicable
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7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC028
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Sampling Location	Vill. Jhampur	Period of Analysis	08/12/21 to 03/01/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	80	96	89	75	92	82	90	94
2.	Particulate Matter (as PM _{2.5})	µg/m ³	40	55	49	39	53	43	51	55
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	13	11	12	11	13	12	14	13
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	26	23	24	22	27	25	28	26
5.	Ammonia (as NH ₃)	µg/m ³	24	26	23	25	24	25	26	26
6.	Ozone (as O ₃)	µg/m ³	18	19	17	18	16	17	15	16
7.	Carbon Monoxide (as CO)	mg/m ³	0.68	0.69	0.64	0.66	0.71	0.69	0.65	0.70
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC028/A
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Sampling Location	Vill. Jhampur	Period of Analysis	08/12/21 to 03/01/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081221EC028

Other Information

Abbreviations

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC029
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Malakpur	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/12/21 to 03/01/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	72	77	83	80	88	83	81	93
2.	Particulate Matter (as PM _{2.5})	µg/m ³	36	39	43	40	48	44	41	53
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	11	10	12	9	12	11	10	12
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	23	20	25	20	24	23	22	25
5.	Ammonia (as NH ₃)	µg/m ³	25	23	26	25	23	26	24	26
6.	Ozone (as O ₃)	µg/m ³	20	19	16	20	16	15	16	15
7.	Carbon Monoxide (as CO)	mg/m ³	0.56	0.54	0.60	0.53	0.60	0.58	0.59	0.61
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene {as B(a)P}, Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC029/A
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Malakpur	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/12/21 to 03/01/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081221EC029

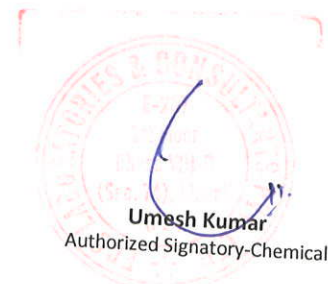
Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC030
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Tira	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/12/21 to 03/01/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	90	85	94	90	98	88	93	91
2.	Particulate Matter (as PM _{2.5})	µg/m ³	50	45	60	50	58	48	53	51
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	13	14	12	11	13	12	11	14
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	27	28	24	23	26	24	23	28
5.	Ammonia (as NH ₃)	µg/m ³	22	24	23	26	23	25	24	26
6.	Ozone (as O ₃)	µg/m ³	19	20	16	19	16	15	17	16
7.	Carbon Monoxide (as CO)	mg/m ³	0.70	0.67	0.65	0.77	0.68	0.71	0.67	0.73
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

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Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC030/A
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Customer reference No. (If any)	NA
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Mode of Collection of Sample	Sampling by laboratory
Sampling Location	Vill. Tira	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Period of Analysis	08/12/21 to 03/01/22
Testing Location	On Site & Permanent Facility	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
This test report is the part of Test Report No. EL081221EC030

Other Information

Abbreviations : ULR: Unique Lab Report, BDL: Below Detection Limit, 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

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4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavarana.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC031
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Sampling Location	Project Site	Period of Analysis	08/12/21 to 03/01/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S. No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Respirable Suspended Particulate Matter (as PM ₁₀)	µg/m ³	93	86	95	88	97	90	94	89
2.	Particulate Matter (as PM _{2.5})	µg/m ³	53	46	55	48	57	51	55	50
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	14	12	13	12	15	13	14	13
4.	Nitrogen Dioxide (as NO ₂)	µg/m ³	28	25	27	25	31	27	29	26
5.	Ammonia (as NH ₃)	µg/m ³	22	23	22	24	25	25	26	25
6.	Ozone (as O ₃)	µg/m ³	18	19	16	18	17	16	17	16
7.	Carbon Monoxide (as CO)	mg/m ³	0.71	0.67	0.73	0.62	0.75	0.65	0.68	0.77
8.	Lead (as Pb)	µg/m ³	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)	BDL (DL-0.04)
9.	Arsenic (as As)	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)
10.	Nickel (as Ni)	ng/m ³	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)	BDL (DL-10)
11.	Benzo-a-Pyrene (as B(a)P), Particulate Phase Only	ng/m ³	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)	BDL (DL-1)

Remarks : Test methods & standards are attached along with the reports

Other Information

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TEST REPORT

ULR No.	NA	Test Report No.	EL081221EC031/A
Type of Sample	Ambient Air	Date of Reporting	03/01/2022

Customer	Residential Project "Suntec City" Vill. Palheri, Teh. Kharar & Vill. Raihmanpur, Teh. Majri, Distt.SAS Nagar, New Chandigarh, Punjab	Work Order No. & Date	EL/SUNTEC/TEL/2739 DT: 20/03/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines (NAAQMS/36/2012-13)	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	06/12/21, 07/12/21, 13/12/21, 14/12/21, 20/12/21, 21/12/21, 27/12/21, 28/12/21,	Date of Receipt of Sample	08/12/21, 15/12/21, 22/12/21 & 29/12/21
Sampling Location	Project Site	Period of Analysis	08/12/21 to 03/01/22
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) & NAAQS 2009	Environmental Conditions	06-14/12/21: Clear sky 20-28/12/21: Partially Cloudy weather: fog during night & early morning
Testing Location	On Site & Permanent Facility		

TEST RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

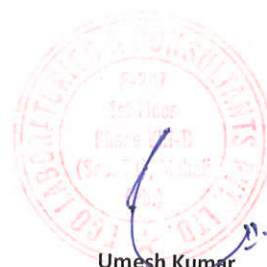
Sr No	Test Parameters	Units	06/12/21	07/12/21	13/12/21	14/12/21	20/12/21	21/12/21	27/12/21	28/12/21
1.	Benzene as C ₆ H ₆	µg/m ³	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)	BDL (DL-5.0)

Remarks : Test methods & standards are attached along with the reports
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Ministry of Environment, Forest & Climate Change
Northern Regional Office,
Chandigarh-160030

Data sheet

1.	Project Type	Township and Area Development Project
2.	Name of the Project	Residential Mega Township
3.	Clearance letter (s) O.M. No. & Date	Environment Clearance has been granted by SEIAA, Punjab vide No. SEIAA/2015/175 dated 16.01.2015. Copy of the same is attached along as Annexure 1 .
4.	Location	Vill. Salamatpur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area.
a)	District(s)	SAS Nagar (Mohali)
b)	State (s)	Punjab
5.	Address for correspondence	M/s Altus Space Builders Pvt. Ltd. SCO. 22, First Floor, Phase X, SAS Nagar (Mohali), Punjab
6.	Salient features	
a)	of the Project	As per the Environment Clearance, the total scheme area of the project is 287.90 acres (or 11,65,089.96 sq.m) out of which net planned area is 204.30 acre (826772.767 sqm). The project involves Residential Area (3,93,880.53 sq.m), EWS Area (64,304.548 sq.m), Commercial Area (42,977.615 sq.m) and area under public building such as School, Dispensary, Community Centre, Post Office, Religious Building (43,989.329 sq.m). The total expected population will be 28,839 persons out of which population under plots will be 18,030 persons, EWS 6,356 persons, Group Housing 2,304 persons, Commercial use 1,062 persons and Public Buildings 1,087 persons.
b)	of the environment	As per the Environment Clearance, total water requirement for the project will be 4,100 KLD, out of which 3,032 KLD will be met through tube well and remaining 1,068 KLD will be met through treated wastewater. The total wastewater generation from the project

		<p>will be 3,280 KLD which will be treated in a STP of 3.5 MLD capacity to be installed inside the project premises. The green area will be developed in an area measuring 49695.396 sq.m. 100 rainwater harvesting pits will be provided for replenishment of the groundwater.</p> <p>The total quantity of solid waste to be generated from the proposed project has been estimated as 11.1 MT/day, which will be segregated into biodegradable and non-biodegradable waste as per the MSW Rules, 2000. The biodegradable waste will be composted at site and non-biodegradable would be sent to the approved dumping site. 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 & Other Wastes (Management and Trans-boundary movement) Rules, 2016.</p> <p>The total load of electricity required for the proposed project will be 9,598 KW which will be supplied by PSPCL.</p>
7.	Break-up of the Project Area	-
a)	Submergence area	Not Applicable
8.	Break up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/ land landless laborers/ artisans.	-
a)	SC/ST/Adivasis	Not Applicable
b)	Others <i>(Please indicate whether these figures are base 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	Rs. 825 Crores.

	and subsequent revised estimates and the year of price reference.																																																													
b)	Allocations made for environmental management plan with item wise and year of assessment.	<p>During construction phase, allocation made for environment protection measures is as below:</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Title</th> <th>Capital Cost Rs. Lacs</th> <th>Recurring Cost Rs. Lacs/ Annum</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Water for dust suppression</td> <td>10</td> <td>3</td> </tr> <tr> <td>2.</td> <td>Waste water management</td> <td>5</td> <td>3</td> </tr> <tr> <td>3.</td> <td>Air, Noise, Soil, Water monitoring</td> <td>-</td> <td>1</td> </tr> <tr> <td>4.</td> <td>PPE for workers & Health care</td> <td>5</td> <td>3</td> </tr> <tr> <td>5.</td> <td>Green belt development</td> <td>15</td> <td>5</td> </tr> <tr> <td></td> <td>Total</td> <td>35</td> <td>16</td> </tr> </tbody> </table> <p>During operation phase, proposed expenditure for environment protection measures is as below:</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Title</th> <th>Capital Cost Rs. Lacs</th> <th>Recurring Cost Rs. Lacs/ Annum</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Water Pollution Control/ Sewage Treatment Plant</td> <td>500</td> <td>25</td> </tr> <tr> <td>2.</td> <td>RWH & Storm water Network</td> <td>2,000</td> <td>25</td> </tr> <tr> <td>3.</td> <td>Landscaping & Green Belt</td> <td>300</td> <td>20</td> </tr> <tr> <td>4.</td> <td>Solid Waste Management</td> <td>200</td> <td>20</td> </tr> <tr> <td>5.</td> <td>Plumbing & Fire Plant Room along with distribution</td> <td>2,500</td> <td>25</td> </tr> <tr> <td>6.</td> <td>Energy Conversation</td> <td>500</td> <td>10</td> </tr> <tr> <td></td> <td>Total Rs. Lacs</td> <td>6,000</td> <td>125</td> </tr> </tbody> </table>	S.No.	Title	Capital Cost Rs. Lacs	Recurring Cost Rs. Lacs/ Annum	1.	Water for dust suppression	10	3	2.	Waste water management	5	3	3.	Air, Noise, Soil, Water monitoring	-	1	4.	PPE for workers & Health care	5	3	5.	Green belt development	15	5		Total	35	16	S.No.	Title	Capital Cost Rs. Lacs	Recurring Cost Rs. Lacs/ Annum	1.	Water Pollution Control/ Sewage Treatment Plant	500	25	2.	RWH & Storm water Network	2,000	25	3.	Landscaping & Green Belt	300	20	4.	Solid Waste Management	200	20	5.	Plumbing & Fire Plant Room along with distribution	2,500	25	6.	Energy Conversation	500	10		Total Rs. Lacs	6,000	125
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c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Details are being worked out and will be submitted separately.																																																												

d)	Whether (c) includes the cost of environmental management as shown in (b) above.	-
e)	Actual expenditure incurred on the project so far.	Approx. Rs. 663.50 crores has been incurred on the project till date.
f)	Actual expenditure incurred on the environmental management plans so far:	Approx. Rs. 35 lakhs has been spent on EMP till date which includes dust suppression facilities at construction site, development of green belt, labour hutments and toilets and monitoring of environmental parameters etc.
10.	Forest lands requirement:	Not applicable
a)	The status of approval for diversion of forest land for non-forestry use.	-
b)	The status of clear felling.	-
c)	The status of compensatory a forestation programmer in the light of actual field experience so far.	-
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Not Applicable
12.	Status of construction	Under Construction. Photographs showing the construction status are attached along as Annexure 2.
a)	Date of commencement (<i>actual and /or planned</i>)	January,2015 (Actual)
b)	Date of completion (<i>actual and/or planned</i>)	October, 2022 (Proposed)
13.	Reasons for the delay if the project is yet to start:	-

Compliance Report of Environmental Clearance Conditions of "Residential Mega Township" issued vide No. SEIAA/2015/175 dated 16.01.2015

Part A- Specific conditions

I. Pre-Construction Phase

S. No.	Compliance conditions	Compliance 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 site.	Consent to establish (CTE) has been obtained from PPCB. Copy is attached along as Annexure 3 . Further, Extension in Consent to Establish is being applied.
ii.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Agreed. During construction, all required hygienic and sanitary measures are being maintained. Safe cleaning drinking water is provided to the labours at site. Photographs showing the same are attached along as Annexure 2 .
iii.	A first aid room will be provided in the project both during construction and operation phase of the project.	A First aid kit has been provided at the construction site. In case of emergency, patients are taken to the nearby hospital. Photographs showing the same are attached along as Annexure 2 .
iv.	The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire-fighting equipment’s etc. as per National Building Code including protection measures from lightning.	Being an area development project, proponent’s role is limited to development of external services. However construction will be carried out by individual plot owners who will obtain the necessary structural safety approvals.
v.	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 waste water & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche	All necessary infrastructure and facilities such as temporary hutments, fuel for cooking, disposal of wastewater & solid waste management etc. are provided to Laborers. Photographs showing the same are attached along as Annexure

	etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	2.
vi.	The project proponent shall frame guidelines for the energy conservation measures to be adopted by the individual plot/building owner(s) and impose a condition in this regard at the time of execution of the sale deed.	The conditions is being mentioned in registry to follow the energy conservation measures. Copy of registry showing the same in Point 3.8 is attached along as Annexure 4 .
II. Construction Phase:		
i.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Agreed; excavated topsoil has been stored and used for green belt development and landscaping to the maximum possible extent. Photograph showing the use of top soil for landscaping within the project premises is attached along 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.	As the project is area development only thus no major muck generation is there. However, the small quantity of muck generated will be used within the project and no muck will be disposed outside.
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 ground water.	As the project is residential so very less hazardous material has been recorded. Hazardous material is managed & disposed off to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments. Waste bituminous material is used in road filling.
iv.	Construction and provision of STP, tube well, DG sets, utilities etc. earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later on.	Provision of utilities is being done on the earmarked locations only.
v.	Three layer green buffer will be provided around STP and MSW storage area.	Green buffer is being provided around STP and MSW area. Photographs

		showing the same are attached along as Annexure 2.
vi.	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.	Vehicles hired are in good condition and are regularly checked for Pollution under control. PUC certificates are attached as Annexure 5
vii.	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.	Ambient noise levels conform to the prescribed standards. Recent test reports are attached along as Annexure 6.
viii.	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 (This condition is applicable only if the project is within 100 km of Thermal Power Station).	Minimal construction work is done by the developer and wherever it is done, PPC cement containing fly ash as its one of the components is used for construction purpose.
ix.	Ready mixed concrete should be used in building construction as far as possible.	As it is area development project which involves minimal construction by developer, RMC is being used to maximum extent as far as possible. Further for construction work of individual plots, the respective owner will be advised to use ready mix concrete.
x.	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.	Agreed
xi.	Separation of drinking water supply and treated sewage supply should be done by the use of different colors.	Dual plumbing lines are being provided with marking on treated water line stating “treated water supply, unfit for consumption”. Photographs showing the same are attached along as Annexure 2.
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.	Fixtures will be provided by the individual plot owner as this project is only a plotted township.
xiii.	Adequate steps shall be taken to conserve energy by limiting the use of glass,	No building is to be constructed by developer, only plots to be sold.

	provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.	
xiv.	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.	All the requisite approvals are being obtained as and when required and further respective approvals will be obtained by individual plot owner.
xv.	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.	Agreed. DG sets for backup during construction activity are provided by the contractor which meet the prescribed air and noise emission standards.
xvi.	The project proponent shall ensure that cutting & filling of earth work does not disturb the natural drainage pattern and flood pattern of the area	The natural drainage pattern is retained. Minimum cut fill is involved which is used for road levelling.

III. Operation Phase: Presently project is under construction phase.

IV. Entire life

S. No.	Compliance conditions	Compliance Reply
i.	"Consent to Operate" shall be obtained from PPCB under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and get it renewed from time to time.	Partial "Consent to Operate" is being obtained from PPCB.
ii.	The project proponent shall discharge not more than 1,873 KLD waste water into sewer during summer season, 2,056.6 KLD wastewater into sewer during winter season and 2,121 KLD waste water into sewer during rainy season.	Agreed, only excess treated wastewater will be disposed to GMADA sewer as per commitment. Copy of NOC from GMADA for disposal of treated water is attached as Annexure 7
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/ HVAC and for horticulture purpose etc. and shall maintain a record of	Agreed, the electromagnetic flow meter have been provided at the outlet of the water supply, outlet of the STP and pipelines to be used for re-using the treated wastewater back into the system and record will be maintained throughout.

	readings of each such meter on daily basis.	
iv.	The position/ location of STP, tube well, DG sets, utilities etc. installed by the project proponent as per the provision made in the layout plan, should not be changed later-on under any circumstances.	Provision of utilities is being done on the earmarked locations only.
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, no run off from gardens/ green area/ roads/ pavements shall be connected with the ground water recharging system.	100 rain water recharging pits will be provided within project premises.
vi.	The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inerts 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.	Separate area is earmarked for handling of solid waste. Generated solid waste will be properly collected and segregated into recyclable and non -recyclable waste. Recyclable inorganic waste will be sold to local resellers. The biodegradable solid waste will be converted into compost using mechanical composter. Any excess waste or non-usable shall be sent to authorize dumping site. NOC from GMADA for disposal of solid waste has been obtained and copy is attached along as Annexure 7 .
vii.	Hazardous waste/ E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	As it is a residential project, no major bio-medical or hazardous waste is being generated. Only spent oil from DG sets will be generated which will be given to the approved recyclers by PPCB.
viii.	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored.	Ambient air quality, noise and water quality is being monitored. Latest test reports are attached as Annexure 6 .
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.	Parking areas will be fully internalized i.e. inside every plot. Entry and Exit point will be designed in such manner that there will not be any traffic congestion.
x.	The approval of competent authority shall be obtained for structural safety of the	All the requisite approvals are being obtained as and when required and

	buildings due to earthquakes, adequacy of fire-fighting equipments etc. as per National Building Code including protection measures from lightning.	further respective approvals will be obtained by individual plot owner.
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PART B – General Conditions:

I. Pre-construction Phase.

S. No.	Compliance Conditions	Compliance Reply
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.	As per office Memorandum No. F. No. 22-27/2015-IA-III, the validity of the environment clearance was extended up to seven years. In addition, one year Covid extension was also provided to all cases. However, as per office Memorandum No. dated 12.04.2022, EC validity has been extended up to 10 years. So, environment clearance granted vide letter No. SEIAA/2015/175 dated 16.01.2015 is valid up to 15 th January, 2025.
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.	Agreed. The environmental safeguards are being implemented in true 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.	Agreed. No major diesel storage is being done at site as the diesel required is procured from the nearby petrol pump. All the necessary approvals are being obtained as & when required. Such as: <ul style="list-style-type: none"> • Consent to Establish is being obtained from Punjab Pollution Control Board • Forest NOC has been obtained and attached along as Annexure 8.
iv.	The project proponent should advertise in at least two local newspapers widely	Advertisement has already been published in the newspaper & copy of the same is

	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, Forest and Climate Change, Chandigarh.	attached as Annexure 9
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.	Being complied and will continue to do same.
vi.	The project proponent shall comply with the conditions imposed in the permission of change of Land use (CLU) granted by the Chief Town Planner, Punjab vide Memo number. 8189 CTP(Pb) SP. 432(M) dated 17.11.2011, vide Memo no. 2042 CTP(PB) SP-432(M) Chandigarh 14.05.2012 and vide Memo No. 3480 CTP(Pb)/SP-432-(M) dated 25.06.2013.	Conditions in Change of Land Use granted by Chief Town planner are being complied.
vii.	The project proponent shall obtain permission from CGWA for abstraction of ground water.	The recommendation from CGWB was earlier obtained for abstraction of ground water and copy is attached as Annexure 10 . As now PWRDA is regulating state of Punjab so application has been filed to PWRDA for obtaining NOC for abstraction of ground water for quantity of 4097 KLD through bore wells. Acknowledgement of same is attached as Annexure 11 .
viii.	A copy of the clearance letter shall be	The copies of the environmental clearance

	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.	has already been submitted to the heads of local bodies. Environmental Clearance letter has also been uploaded on the company's website. Screenshot attached as Annexure 12 .
ix.	The State Environment Impact Assessment Authority 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.
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.	No appeal was made against the environmental clearance granted.

II. Construction Phase

S. No.	Compliance conditions	Reply
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.	Agreed. The environmental safeguards are being implemented in true 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.	Agreed.

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&CC, the Zonal Office of CPCB and the SPCB/ SEIAA.	Agreed. Six monthly compliance report is being submitted to RO, MoEFCC 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, Forest and Climate Change, Chandigarh/ State Level Environment Impact Assessment Authority.	Agreed. Full co-operation, facilities and documents/ data will be provided to Officials from Regional Office of MoEF&CC/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board during their inspection by the project proponent.
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.	Agreed. Additional land of 112.1 acres has been purchased so accordingly the application has been filed to SEIAA, Punjab for expansion of the project.
vi.	Separate distribution pipelines be laid down for use of treated effluent/ raw water for horticultural/gardening purposes with different color coding.	Yes, dual plumbing lines are being provided to use treated water for flushing of toilets and irrigating green area.
vii.	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spent amount as proposed or at least minimum required to be spent under the provision of the Companies Act 1956, whichever is higher.	Agreed. The same is being complied. EMP activities like barricading the boundary where development is being carried out, sprinkling of water to reduce dust, tree plantation, STP installation etc. 10 lacs has already been spent on activities like donations to gram panchayat Ghandauli, Bhagat Majra, Rasulpur and in Covid-19 relief fund as CSR activities.
viii.	The State Environment Impact Assessment	Agreed.

	Authority 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.	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.

III. Operation Phase: Currently, the project is in Construction Phase.

IV. Entire Life

S. No.	Compliance 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.	Agreed.
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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ , 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.	Agreed, the compliance report of EC conditions, test reports and EC Letter has been updated on the website. Snapshot of the same is attached along as Annexure 12 .
iii.	The project proponent shall adhere to the commitments made in the Environment	Agreed. The same will be complied.

	Management Plan and Corporate Social Responsibility and shall spent amount as proposed or at least minimum required to be spent under the provision 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.	Agreed.
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&CC, the Zonal Office of CPCB and the SPCB/ SEIAA.	Agreed. Six monthly compliance report is being submitted regularly to RO, MoEF&CC, Chandigarh and SEIAA, Punjab.
vi.	Officials from the Regional Office of Ministry of Environment and 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, Forest and Climate Change, Chandigarh/ State Level Environment Impact Assessment Authority.	Agreed. The full co-operation will be provided to Officials from Regional Office of MoEF&CC/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board.
vii.	The State Environment Impact Assessment Authority 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/	Agreed.

	measures in a time bound and satisfactory manner.	
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.	No appeal was made against the environmental clearance granted.