



**ORBIT APARTMENT CONSTRUCTION PVT. LTD.**

Date: 08.05.2024

To,  
**The Additional Director**  
Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office,  
Bay No. 24-25, Sector-31A,  
Dakshin Marg,  
Chandigarh -160030  
(Mail ids: [eccompliance-nro@gov.in](mailto:eccompliance-nro@gov.in) and [ronz.chd-mef@nic.in](mailto:ronz.chd-mef@nic.in))

**Subject: Submission of six monthly compliance report for period ending 31.03.2024 for the commercial project namely "Orbit Signature Walk" located at VIP Road, Zirakpur, Tehsil Derabassi, District SAS Nagar (Mohali), Punjab.**

Respected Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 31.03.2024 for the above said project through mail for your perusal.

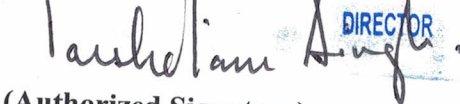
Kindly acknowledge the receipt of the same.

Thanking you

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

Sincerely

For M/s Orbit Apartment Construction Pvt. Ltd.

  
DIRECTOR

(Authorized Signatory)

**CC: Member Secretary, SEIAA Punjab, Ministry of Environment, Forest and Climate Change  
GoI, PBTI Complex, Knowledge City, Sector 81, Distt. SAS Nagar (Mohali), Punjab (Uploaded  
on Parivesh Portal).**

2024

**SIX MONTHLY COMPLIANCE  
REPORT  
(Period ending 31.03.2024)**

**For**

**“ORBIT SIGNATURE WALK”**  
VIP Road, Zirakpur, Tehsil Derabassi, SAS Nagar  
(Mohali), Punjab.

**Project by:**

**M/s ORBIT APARTMENT  
CONSTRUCTION PVT. LTD.**  
VIP Road, Zirakpur, Tehsil Derabassi, SAS Nagar  
(Mohali), Punjab.

**Prepared by:**



**Eco Paryavaran Laboratories and Consultants  
Private Limited**

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

**Tele No.:** 0172-4616225 **email:** [compliance@ecoparyavaran.org](mailto:compliance@ecoparyavaran.org)

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

**DATA SHEET**

1.	<b>Project Type</b>	“Commercial Project”
2.	<b>Name of the Project</b>	Commercial project namely “Orbit Signature Walk” located at VIP Road, Zirakpur, SAS Nagar (Punjab) Project by M/s Orbit Apartment Construction Pvt. Ltd.
3.	<b>Clearance letter (s)/O.M No. &amp; dates</b>	Environmental Clearance has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/2020 /1751 dated 29.07.2020. Copy of the same is attached along as <b>Annexure 1.</b>
4.	<b>Location</b>	VIP Road, Zirakpur, SAS Nagar (Punjab)
	a) District	SAS Nagar (Mohali)
	b) State	Punjab
	c) Location: Latitudes/Longitudes	The co-ordinates of project site are: 30°38'23.42"N and 76°49'19.22"E.
5.	<b>Address for correspondence</b>	C/o Parshotam Singh Grewal (Director) M/s Orbit Apartment Construction Pvt. Ltd. Chandigarh-Ambala Highway, VIP Road, Zirakpur, District SAS Nagar (Punjab). Mobile No.: 09855025053 Email ID: grewal@orbitdevelopers.com
6.	<b>Salient features</b>	
	a) of the project	As per the Environmental Clearance, the total land area of the project is 15,381.27 sq.m (or 3.801 acres) and the total built up area of the project is 47,380.76 sq.m.
	b) of the environmental management plans	<b><u>Water &amp; Wastewater</u></b> As per the Environmental Clearance, the total water requirement of the project will be 325 KLD, out of which 209 KLD will be met through borewell and remaining 116 KLD through the recycling of treated wastewater. The total wastewater generation from the project will be 260 KLD. Out of which, black water will be 182 KLD and grey water will be 78 KLD which will be treated in proposed STP of 200 KLD capacity and WWTP of 100 KLD capacity respectively. <b><u>Solid Waste</u></b> The total quantity of solid waste generation will be 1,446 kg/day which will be segregated at source as biodegradable and non-biodegradable components. A

		<p>separate area will be earmarked for segregation of solid waste. Biodegradable waste will be composted by using Mechanical composters of size 500 &amp; 150 kg. The non-biodegradable waste shall be handed over to authorized waste pickers as per Solid Waste Management Rules, 2016. Any domestic Hazardous waste will be disposed off to authorized vendors as per Solid Waste Management Rules, 2016.</p> <p><b><u>Power Load</u></b></p> <p>The total power requirement of the project for the operational phase is 3,434 KW which will be supplied by PSPCL. 6 DG sets of 750 KVA each capacity will be available to fulfill the requirement and DG sets will be provided with adequate stack height.</p> <p><b><u>Plantation</u></b></p> <p>714.49 sq.m of green area has been proposed. Total 200 no. of trees will be planted against the requirement of 192 no. i.e. 1 tree @80 sq.m of land area.</p> <p><b><u>Energy Conservation</u></b></p> <p>120 KW energy will be generated by installing of solar panels on 30% of roof area.</p>
7.	<b>Break-up of project area</b>	
	a) Submergence forest area and non-forest area	Not applicable
	b) Others	Not applicable
8.	<b>Break-up of project affected population with enumeration of those losing houses/dwelling units only agricultural land &amp; landless laborers/artisans:</b>	Not applicable
	a) SC,ST/Adivasi	Not applicable
	b) Others	Not applicable
9.	<b>Financial details:</b>	
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 55.59 Crores

	<p>b) Allocations made for environmental management plan with item wise and year wise break up.</p>	<p>Rs. 215 Lacs towards capital cost and Rs.12 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost. Rs.19.5 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost.</p> <p>Allocations made for EMP during construction phase is given below:</p> <table border="1" data-bbox="748 548 1414 1314"> <thead> <tr> <th data-bbox="748 548 1073 646">Description</th> <th data-bbox="1073 548 1219 646">Capital (in Rs. Lakhs)</th> <th data-bbox="1219 548 1414 646">Recurring Cost per annum (in Rs. Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="748 646 1073 779">Waste water Management: Dual plumbing system, Sewage Treatment Plant &amp; WWTP</td> <td data-bbox="1073 646 1219 779">50</td> <td data-bbox="1219 646 1414 779">2</td> </tr> <tr> <td data-bbox="748 779 1073 877">Air &amp; Noise Pollution Management (Acoustics enclosures for DG sets)</td> <td data-bbox="1073 779 1219 877">10</td> <td data-bbox="1219 779 1414 877">2</td> </tr> <tr> <td data-bbox="748 877 1073 911">Landscaping</td> <td data-bbox="1073 877 1219 911">1</td> <td data-bbox="1219 877 1414 911">1</td> </tr> <tr> <td data-bbox="748 911 1073 945">Rainwater Recharging</td> <td data-bbox="1073 911 1219 945">10</td> <td data-bbox="1219 911 1414 945">2</td> </tr> <tr> <td data-bbox="748 945 1073 1115">Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines)</td> <td data-bbox="1073 945 1219 1115">-</td> <td data-bbox="1219 945 1414 1115">1</td> </tr> <tr> <td data-bbox="748 1115 1073 1213">Waste Management: (Collection of Solid Waste And disposal)</td> <td data-bbox="1073 1115 1219 1213">44</td> <td data-bbox="1219 1115 1414 1213">2</td> </tr> <tr> <td data-bbox="748 1213 1073 1283">Energy Conservation measures</td> <td data-bbox="1073 1213 1219 1283">100</td> <td data-bbox="1219 1213 1414 1283">2</td> </tr> <tr> <td data-bbox="748 1283 1073 1314"><b>TOTAL</b></td> <td data-bbox="1073 1283 1219 1314"><b>215</b></td> <td data-bbox="1219 1283 1414 1314"><b>12</b></td> </tr> </tbody> </table>	Description	Capital (in Rs. Lakhs)	Recurring Cost per annum (in Rs. Lakhs)	Waste water Management: Dual plumbing system, Sewage Treatment Plant & WWTP	50	2	Air & Noise Pollution Management (Acoustics enclosures for DG sets)	10	2	Landscaping	1	1	Rainwater Recharging	10	2	Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines)	-	1	Waste Management: (Collection of Solid Waste And disposal)	44	2	Energy Conservation measures	100	2	<b>TOTAL</b>	<b>215</b>	<b>12</b>
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	c) Benefit cost ratio/internal rate of return and the year of assessment	Will be calculated and submitted separately.																											
	d) Whether c) includes the cost of environmental management as shown in b) above.	Yes																											
	e) Actual expenditure incurred on project so far.	Total expenditure done on the project till 31.03.2024 is Approx. Rs. 48.04 crores.																											
	f) Actual expenditure incurred on the environmental management plans so far.	Total expenditure done on Environmental Management Plan till 31.03.2024 is Approx. Rs 154.69 lakhs.																											
10.	<b>Forest land requirement:</b>																												
	a) The status of approval for diversion of forest land for non-forestry use	No forest area is involved.																											

	b) The status of clear felling	Not applicable
	c) The status of CA, any	Not applicable
	d) Comments on the viability & sustainability of CA program in the light of actual field experience so far.	Not applicable
11.	<b>The status of clear felling in non-forest areas</b>	Not applicable
12.	<b>Status of construction:</b>	90% construction has been done at the project site.
	a) Date of commencement (actual and/or planned)	Actual date of commencement: January, 2021
	b) Date of completion (actual and/or planned)	Planned date of completion: January, 2025 Photographs of project showing the current status of project is attached along as <b>Annexure 2</b> .
13.	<b>Reasons for the delay, if the project is yet to start</b>	-

**Compliance report on conditions imposed in Environmental Clearance of commercial project namely “Orbit Signature Walk” for period ending 31.03.2024**

**I. Statutory Compliance:**

<b>Sl. No.</b>	<b>EC Conditions</b>	<b>Reply</b>
i.	The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye-laws.	<p>Noted. All necessary permissions are being obtained as and when required.</p> <ul style="list-style-type: none"> <li>• Change in land use has been obtained vide Letter No. 3/DDLG/PTL/2019/20134 dated 30.07.2019; copy is enclosed as <b>Annexure-3</b>.</li> <li>• Extension of Consent to Establish (CTE) has been obtained from PPCB which; copy of grant certificate is attached as <b>Annexure 4</b>.</li> <li>• Structural safety certificate has been obtained; copy of the same is enclosed as <b>Annexure 5</b></li> <li>• Provisional fire NOC has also been obtained; copy of the same is attached along as <b>Annexure 6</b>.</li> <li>• NOC for Construction of Building from Aviation department has been obtained; copy of the same is attached along as <b>Annexure 7</b>.</li> <li>• Letter from MC, Zirakpur regarding solid waste disposal is enclosed as <b>Annexure 8</b>.</li> <li>• Letter from MC Zirakpur regarding sewer connection is enclosed as <b>Annexure 9</b>.</li> <li>• The layout plans have been approved. Copy of approval layout plan and building approval letter is enclosed as <b>Annexure-10(a) and 10(b)</b>.</li> </ul> <p>Also, all the construction is being done in accordance with the local building bye-laws.</p>



ii.	The approval of the competent authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightning, etc.	Structural safety certificate has been obtained; copy of the same is enclosed as <b>Annexure 5</b> . Copy of provisional fire NOC is enclosed along as <b>Annexure 6</b> .
iii.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable for the project as no forest land is involved in the project.
iv.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	The project is at a distance of 10.5 km & 12 km from City Bird Sanctuary and Sukhna Wildlife Sanctuary respectively. The project does not fall in eco-sensitive zone of bird or wildlife sanctuary. Thus, NBWL clearance is not required.
v.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.	Consent to Establish has been obtained from PPCB and same is extended upto 27.05.2025. Copy of the same is enclosed as <b>Annexure 4</b> .
vi.	The project proponent shall obtain the necessary permission for drawl of groundwater / surface water required for the project from the competent authority.	Permission has been obtained from PWRDA. Copy of the permission is enclosed as <b>Annexure-11</b> .
vii	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Temporary power connection for 85 KW during construction phase has been obtained.
viii	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	NOC from Fire department and Aviation department has been obtained, copy of the same is enclosed as <b>Annexure 6 &amp; 7</b> respectively.
ix	The provisions of the Solid Waste (Management) Rules, 2016, E- Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Noted. The provisions of all waste management Rules are being followed. NOC from MC, Zirakpur has been obtained for Solid Waste disposal. Copy is attached as <b>Annexure-8</b> .

x.	The project proponent shall follow the ECC/ECBC-R prescribed by the Bureau of Energy Efficiency, Ministry of Power strictly.	Noted. The rules ECBC /ECBC-R prescribed by the Bureau of Energy Efficiency are being followed and same will be followed in the future also.
xi.	The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned authority under whose jurisdiction, the site falls.	The project falls in existing built up area as per Master Plan of Zirakpur. Further, Change in land use has been obtained vide Letter No. CLU/DDLG/PTL/2019/ 20134 dated 30.07.2019; copy is enclosed as <b>Annexure-3</b> .
xii	Besides above, the project proponent shall also comply with siting criteria/ guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/ CPCB/ MoEF&CC for such type of projects.	General siting criteria/guidelines, standard operating practices and guidelines prescribed of PPCB is being followed and will be followed in future as well.
xiii.	The project proponent shall get the layout plans approved from the Competent Authority for the activities/establishments to be set up at the project site in consonance with the project proposal for which this environment clearance is applied.	Noted. The layout plans have been approved. Approved layout plan has been approved by MC, Zirakpur vide dated 08.11.2019. Copy of approved building plan is attached as <b>Annexure-10(a)</b> . Copy of building approval letter is enclosed as <b>Annexure-10(b)</b> .
<b>II Air quality monitoring and preservation</b>		
i.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	The dust mitigation measures for construction and demolition activities are being complied during construction phase of project and same will be followed in the future also.
ii.	A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.	All necessary steps are being taken to reduce the air pollution and to improve the air quality and same will be followed in the future also.
iii.	The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/ criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> ) covering upwind and downwind directions during the construction period.	Ambient air quality is being monitored after regular intervals. Recent monitoring has been carried out and all the parameters are within the permissible. Test Reports for ambient air quality monitoring are enclosed as <b>Annexure-13</b> .

iv.	Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of the stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The use of low sulphur diesel should be ensured. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.	DG set installed are of low Sulphur diesel type and confirm to EPA. Stack of adequate height as per the norms will be provided with the DG sets.
v.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 m height or 1/3 <sup>rd</sup> of the building height and maximum upto 10 m). Plastic/ tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum, and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	All necessary steps like barricading sheets around construction area, tarpaulin sheets for covering construction materials, etc. has been followed to reduce the air pollution during the construction phase. Water sprinkling is being done regularly to suppress dust during construction phase. Photographs showing the same is enclosed as <b>Annexure-2</b>
vi.	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted. Proper dust mitigation measures are being followed during construction phase. Photographs showing the same is enclosed as <b>Annexure-2</b>
vii.	No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.	Noted. All necessary mitigation measures are being followed during construction phase for dust control.
viii.	No uncovered vehicles carrying construction material and waste shall be permitted.	No uncovered vehicles carrying construction material and waste are being permitted during the time of construction.
ix.	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Yes, the top soil excavated during construction activities is being used for landscaping purpose within the project premises to the maximum possible extent.
x.	Grinding and cutting of building material in an open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.	The same is being complied.

xi.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Proper water sprinkling is being done to reduce dust pollution as per the requirement. Photographs showing the same is enclosed as <b>Annexure-2</b> .
xii.	All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	Presently only construction waste is being produced from the project site which is being used within the project premises for leveling purpose etc.
xiii.	The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the standards as enumerated in the Environmental (Protection) Rules, 1986 as prescribed for air and noise emission.	DG set used will be of low Sulphur diesel type and confirm to EPA Rules as prescribed.
xiv.	The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG Sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Noted. DG sets to installed will be of low Sulphur diesel type with acoustic enclosure and confirm to EPA. Also, stack of adequate height as per the norms will be provided with DG sets.
xv.	For indoor air quality, the ventilation provisions as per the National Building Code of India shall be followed.	NBC Rules has been followed during project approval for indoor air quality, the ventilation provisions.
xvi.	Roads leading to or at the construction site must be paved and blacktopped (i.e. metallic road)	The roads connecting project site are paved.
xvii.	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Water sprinkling is being done to reduce the dust pollution. Photographs showing the same is enclosed as <b>Annexure-2</b> .
xviii.	Construction and demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures be notified at the site.	Noted. During construction phase of the project, the construction and demolition waste processing and disposal sites will be identified. Also, required mitigation measures will be implemented at the project site.
<b>III</b>	<b>Water quality monitoring and preservation</b>	

i.	The Natural Drain system should be maintained for ensuring the unrestricted flow of water.	Natural drainage will not be altered.																				
ii	No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater	Natural drainage, water bodies, etc. will not be disturbed.																				
iii	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted.																				
iv	The domestic water requirement for the project will be 325 KLD, out of which 209 KLD shall be met through its tube well and remaining through the recycling of treated wastewater. Total freshwater use shall not exceed the proposed requirement as provided in the project details.	Noted. The fresh water requirement will not exceed 209 KLD in any case.																				
v.	<p>a) The total wastewater generation from the project will be 260 KLD out of which black water will be 182 KLD and greywater will be 78 KLD, which will be treated in proposed STP of capacity 200 KLD based on MBBR technology and WWTP of capacity 100 KLD respectively, to be installed within the project premises as proposed, reuse of treated wastewater and discharge of surplus treated wastewater of 255 KLD available at the outlet of STP &amp; WWTP after evaporation and other losses, shall be as under:-</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Season</th> <th>For Flushing purposed (KLD)</th> <th>Green Area (KLD)</th> <th>Into Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>116</td> <td>4.0</td> <td>135</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>116</td> <td>1.5</td> <td>137.5</td> </tr> <tr> <td>3.</td> <td>Rainy</td> <td>116</td> <td>0.5</td> <td>138.5</td> </tr> </tbody> </table> <p>*Note: Surplus treated wastewater will be discharged into MC sewer as and when sewer connection is available with the project.</p>	Sl. No.	Season	For Flushing purposed (KLD)	Green Area (KLD)	Into Sewer (KLD)	1.	Summer	116	4.0	135	2.	Winter	116	1.5	137.5	3.	Rainy	116	0.5	138.5	Noted. The wastewater generated during operation phase will be treated in proposed STP/WWTP. Treated waste water will be utilized for flushing purpose, green area development to a maximum possible extent and only excess will be discharged into MC sewer.
Sl. No.	Season	For Flushing purposed (KLD)	Green Area (KLD)	Into Sewer (KLD)																		
1.	Summer	116	4.0	135																		
2.	Winter	116	1.5	137.5																		
3.	Rainy	116	0.5	138.5																		

	b) A storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.	The storage tank of 15000 L capacity has been constructed in order to store treated wastewater and all efforts will be made to utilized for nearby construction purposes.
	c) During construction phase, the project proponent shall ensure that the wastewater being generated from the labour quarters/toilets shall be treated and disposed of in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation	Septic tank has been constructed for treatment of wastewater generated from the construction laborers. Discharge from septic tank is being used in green area within the premises.
vi.	The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.	Clean drinking water facility has been provided to the construction laborers.
vii.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Records will be maintained during the operational phase and will be submitted to the Regional Office, MoEF&CC along with the six monthly Monitoring reports.
viii.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	The same will be complied. Source of water supply is ground water and Permission has been obtained from PWRDA. Copy of the permission is enclosed as. <b>Annexure -11.</b>
ix.	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface	Noted and Agreed. The same has been considered during project planning & designing.
X.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking	Dual plumbing system is being provided in the project.

	and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.	
xi	The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.	Noted and Agreed. The same will be complied.
xii	The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects..	Adequate water conservation measures being adopted in the project e.g. low water consuming fixtures will be provided within the project to reduce the water consumption/ground water
xiii.	The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipelines carrying water/wastewater from different sources /treated wastewater as follows: a) Fresh water: Blue b) Untreated wastewater from Toilets/ urinal & from Kitchen: Black c) Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing: Grey d) Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this	Dual plumbing system is being provided in the project. Also, different colour coding of different pipelines will also be done according to the guidelines.

	<p>proposal may also be implemented wherever possible: White</p> <p>e) Treated wastewater (for reuse only for plantation purposes) from the STP treating black water: Green</p> <p>f) Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water: Green with strips</p> <p>g) Storm Water: Orange</p>	
xiv.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Pre-mixed concrete and Water curing agents are being used during construction.
xv.	A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. Thus, 5 nos of rainwater harvesting recharge pits (with dual-bore) shall be provided for groundwater recharging as per CGWA norms. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.	Rainwater recharging pits are being constructed within the project premises for groundwater recharging.
xvi.	All recharge should be limited to shallow aquifer.	Agreed.
xvii.	No ground water shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.	Treated waste water from STP of our nearby project namely "Orbit Apartments" is being used during construction phase, for which proper records are being maintained. Record of treated water is attached as <b>Annexure-12</b> .
xviii.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	No ground water dewatering is to be done from the project. Permission has been obtained from PWRDA. Copy of the permission is enclosed as <b>Annexure-11</b> .



xix.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	The quantity of fresh water usage, water recycling, rainwater harvesting will be monitored once the project will be operational. The record of the same will be submitted to the Regional Office, MoEF&CC along with six monthly reports of monitoring.
xx	Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in phased manner viz a viz in module system designed in such a way so as to efficiently treat the wastewater with increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water, and gardening. No treated water shall be disposed of into municipal storm water drain.	The wastewater generated during operation phase will be treated in proposed STP and treated waste water will be recycled for flushing, landscaping, etc. and only excess will be discharge into sewer. Approval from MC Zirakpur regarding sewer connection is enclosed as <b>Annexure 9</b> .
xxi	No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	No sewage or untreated effluent will be discharged through storm water drains. Wastewater generated from operation phase will be treated in proposed STP and treated water will be recycled for flushing, landscaping, etc. and only excess will be discharge into sewer. Approval from MC Zirakpur regarding sewer connection is enclosed as <b>Annexure 9</b> .
xxii	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Treated sewage will be monitored after installation of STP and periodic monitoring will be ensured.
xxiii	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization	Sludge generated from STP will be utilized as manure within the project premises only.

	(CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	
<b>IV</b>	<b>Noise monitoring and prevention</b>	
i.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	Ambient noise levels are being regularly monitored. Recent environmental monitoring has been done and test report is enclosed as <b>Annexure-13</b> . Further, adequate measures are being made to reduce the pollution load for ambient air & noise level.
ii.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.	Ambient noise levels are being regularly monitored. Recent environmental monitoring has been done and test report is enclosed as <b>Annexure-13</b> .
iii.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	The noise levels are being maintained by providing canopy enclosure as well as ear plugs for operating personnel.
<b>V</b>	<b>Energy Conservation measures</b>	
i.	Compliance with the Punjab Energy Conservation Building Code (PECBC) of Energy Efficiency shall be ensured.	We are complying with the Punjab Energy Conservation Building Code (PECBC) of Energy Efficiency.
ii.	Outdoor and common area lighting shall be LED.	LED lighting will be provided in outdoor & common areas.
iii.	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications	Energy conservation measures will be followed by minimizing energy consumption in buildings as per ECBC specifications.
iv.	Energy conservation measures like installation of LEDs for the lighting the area outside the	LED and solar lighting in common areas will be provided and will be integral part

	building should be integral part of the project design and should be in place before project commissioning.	of the project design. Also, light efficient fixtures will be provided.
v.	Solar, wind or other Renewable Energy equipment shall be installed to meet electricity generation equivalent to at least 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.	Noted and agreed. The same will be complied.
vi.	Solar power by utilizing at least 30% of the rooftop area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.	Solar panels will be installed on roof top of the project and adequate roof top area has been reserved for solar panels.
<b>VI</b>	<b>Waste Management</b>	
i.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Letter from MC regarding solid waste disposal is enclosed as <b>Annexure 8</b> .
ii.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	The muck generated during construction phase is used for leveling and filling purpose within the project. No muck in being disposed outside the premises.
iii.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Separate area has been earmarked for solid waste segregation. Separate wet and dry bins will be provided for segregation of waste in construction phase and same will be followed during operational phase also.
iv.	Organic waste compost pit/ Permaculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste	Composter of adequate capacity will be installed for treatment and disposal of the biodegradable waste.
V.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Noted. Any recyclable waste will be handed over to authorized recyclers with a valid agreement.
vi.	Any hazardous waste generated during construction phase, shall be disposed off as per	Hazardous waste in the form of used oil will only be generated which will be

	applicable rules and norms with necessary approvals of the State Pollution Control Board.	disposed off through authorized vendors. Also, Hazardous waste authorization will also be obtained from PPCB.
vii.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	Noted. Environmental friendly construction materials are being used in project. Such as Fly Ash based cement being used for the construction purpose.
viii.	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27 <sup>th</sup> August, 2003 and 25 <sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.	RMC constituted with fly ash is being used in the construction as building material and approx. 950.26MT of fly ash has been used till 31.03.2024.
ix.	Any wastes from construction and demolition activities related thereto shall be managed in such a way so as to strictly conform to the Construction and Demolition Rules, 2016.	Construction waste is being managed to strictly conform to the Construction and Demolition Rules, 2016. Also, the demolition waste generated from existing building (having covered area of 464 sq.m.) has been disposed off as per Construction and Demolition (C&D) Waste Management Rules, 2016.
x	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Noted. Used CFLs will be disposed off as per E-waste (Management) Rules, 2016.
<b>VII</b>	<b>Green Cover</b>	
i.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	No tree cutting is to be done from the project premises and the same will be followed in the future also. Also, the plantation will be provided as per SEIAA guidelines.
ii.	At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot	Tree plantation @ 1 tree per 80 sq.m. of plot area will be planted. Also, the plantation will be provided as per SEIAA

	<p>should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sq.m of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.</p>	<p>guidelines. Proper green belt will be maintained.</p>
iii.	<p>Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.</p>	<p>No tree cutting is to be done from the project premises.</p>
iv.	<p>Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.</p>	<p>Yes, the top soil excavated during construction activities is being used for landscaping within the project premises to the maximum possible extent.</p>
v.	<p>The project proponent shall not use any chemical fertilizer/ pesticides/insecticides and shall use only Herbal pesticides/ insecticides and organic manure in the green area</p>	<p>No chemical fertilizer or pesticides will be used in the green area and shall use only Herbal pesticides and organic manure in the green area.</p>
vi.	<p>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.</p>	<p>The green belt will be provided along the periphery of the project. There will proper maintenance of the green belt within the project site.</p>
<b>VIII</b>	<b>Transport</b>	
i.	<p>A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road</p>	<p>Agreed and complied. As per the parking plan, adequate parking space has been provided within the project premises. Wide roads for the entry and exit have been provided. Parking areas are fully internalized. Thus, there will be no traffic congestion.</p>

	<p>system can be designed with these basic criteria.</p> <p>a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.</p> <p>b) Traffic calming measures.</p> <p>c) Proper design of entry and exit points.</p> <p>d) Parking norms as per local regulation.</p>	
ii.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Vehicles having valid PUCs are permitted in the project; Copy of PUCs of some of vehicles are attached as <b>Annexure -14</b> .
iii.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted. Detailed traffic management and traffic decongestion plan has been prepared to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. Traffic calming measures is enclosed as <b>Annexure-21</b> .
iv.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Adequate parking area has been proposed for the vehicles within the project premises. Parking will be fully internalized and no public space will be utilized. No traffic congestion will take place.
<b>IX</b>	<b>Human health issues</b>	
i.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris	Personal Protection Equipment (PPE) are being provided to workers for safety.

	or working in any area with dust pollution shall be provided with dust mask.	
ii.	For indoor air quality the ventilation provisions as per National Building Code of India shall be strictly followed.	NBC has been followed during building plan approval. Disaster Management Plan will be followed.
iii.	Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All necessary facilities are being provided for construction laborers.
iv.	Occupational health surveillance of the workers shall be done on a regular basis.	Health check-up of the workers is being done on regular basis. Health checkup reports of workers are attached as <b>Annexure-15</b> .
v.	A First Aid Room shall be provided in the project both during construction and operations of the project.	First aid facilities are provided during construction phase and same will be provided during operation phase also.
<b>X</b>	<b>Corporate Environment Responsibility</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs.56,00,000/- for providing wastewater treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.	Adequate amount as per the proposal will be spent on Corporate Environment Responsibility (CER) activities and details will be submitted with the next compliance report.
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /	Environment policy has been laid down by the board of directors prescribing standard operating procedures to have proper checks and balances. Environment policy duly signed by board of directors is attached as <b>Annexure-16</b> .

	<p>conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&amp;CC as a part of six-monthly report.</p>	
iii.	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.</p>	<p>Mr. Aabid Bains and Mr Sheetal Hans are members of Environmental Cell both at the project and company head quarter level has been formed.</p>
iv.	<p>Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 215.0 Lacs towards capital cost and Rs 12.0 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend a minimum amount of Rs 19.5 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/resident's society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.</p>	<p>As per allocation in EC letter, amount of Rs. 215 lakhs were reserved for EMP as capital cost. Out of which, Rs154.69 lakhs have been spent on Environment Management Plan (EMP) till 31.03.2024. Further, year wise progress of implementation of EMP is attached as <b>Annexure-17.</b></p>
<b>XI</b>	<b>Validity</b>	




i.	This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.	Environmental Clearance has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/2020 /1751 dated 29.07.2020. Copy of the same is attached along as <b>Annexure 1</b> . Further, as per the MoEF&CC notification dated 12.04.2022, Environmental Clearance is valid for ten years of time i.e. till 28.07.2030.
<b>XII Miscellaneous</b>		
i.	The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.	Noted. The completion certificate will be obtained prior to operation of the project.
ii.	The project proponent shall comply with the conditions of CLU granted vide Letter No. CLU/DDLG/PTL/2019/20134 dated 30.07.2019	All necessary conditions mentioned in CLU are being complied.
iii.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.	Advertisement has been published in the two local newspapers in English and Punjabi language. Copy of the advertisements are attached as <b>Annexure-18</b> .
iv.	The copies of the environmental clearance shall be submitted by the project proponents to the heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the environmental clearance have already been submitted to the all concerned Departments.
v.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Status of compliance of the stipulated environment clearance conditions, including results of monitored data for period ending 30.09.2023 has been uploaded on the company's website. Snapshot showing the same is attached as <b>Annexure -19</b> .
vi	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental	The six monthly compliance report is being uploaded on the Environment Clearance portal also. Screenshot of the

	conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance portal.	mail showing the submission of compliance to MoEF&CC as well as screenshot for uploading the same on website of the MoEF&CC at Environment Clearance portal is attached as <b>Annexure 20.</b>
vii.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under The Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Regular environmental statement for each financial year in Form-V as mentioned under EPA, 1986 is being submitted to Punjab Pollution Control Board (PPCB).
viii	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	The same is being submitted in the datasheet which is submitted along with compliance report.
ix.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	All the applicable stipulations made by the State Pollution Control Board and the State Government are being strictly followed and same will be followed in future also.
x.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee and SEIAA.	All the commitments made in EMP report submitted during the time of EC are being followed. Also, Public Hearing is not required for the project.
xi.	No further expansion or modification in the plant/project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted. No further expansion or modification in the project will be carried out in the project without prior approval of the MoEF&CC.
xii.	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and agreed.
xiii.	The SEIAA/ Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed.

xiv.	The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted and agreed.
xv.	The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports.	Full cooperation is being extended to the officer of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports. Same will be complied in future also.
xvi	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted and Agreed.
xvii.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted. No appeal against the project was raised within 30 days of the grant of Environmental Clearance.

**Additional Conditions:**

SI. No.	Conditions	Reply
i.	The project proponent shall plant 200 no. of trees of native varieties within the projects as per the guidelines of the MoEF/SEIAA.	Noted and Agreed. Adequate green belt will be developed within the project premises.
ii.	The project proponent shall utilize only one borewell having motor power as mentioned in the CGWA application to abstract the groundwater. Other borewell, if any, will be sealed/buried and compliance of the same be submitted to the SEIAA along with six-monthly report.	Noted. Permission has been obtained from PWRDA. Copy of the permission is enclosed as <b>Annexure-11</b> .

 सत्यमेव जयते	<b>STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB</b>
	Ministry of Environment, Forest & Climate Change, Government of India
	O/o Directorate of Environment & Climate Change
	MGSIPA Complex, Sector 26, Chandigarh-160019
	Tele-0172-2792325 Fax- 0172-2793143

No. DECC/SEIAA/2020/1751  
To

REGISTERED

Date: 29/07/2020

Sh. Parshotam Singh Grewal, Director  
M/s Orbit Apartment Construction Pvt. Ltd.  
Chandigarh-Ambala Highway,  
VIP Road, Zirakpur, SAS Nagar,  
Punjab-140603  
Contact No. 01762-519205

**Subject: Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial project "Orbit Signature Walk" located at VIP Road, Zirakpur, Tehsil Derabassi, SAS Nagar (Punjab) by M/s Orbit Apartment Construction Pvt. Ltd. (Proposal No. SIA/PB/MIS/128629/2019).**

This is in reference to your online Proposal No. SIA/PB/MIS/128629/2019 for obtaining Environmental Clearance under the EIA notification dated 14.09.2006 for establishment of a Commercial Project "Orbit Signature Walk" located at VIP Road, Zirakpur, Tehsil Derabassi, SAS Nagar (Punjab). The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, EMP and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project are as under: -

Sr. No.	Item	Details
1.	Name & Location of the project	Commercial project "Orbit Signature Walk" located at VIP Road, Zirakpur, SAS Nagar (Punjab)
2.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8(a) 'Building & Construction Project' Built-up area > 20000 m <sup>2</sup> and <150000 m <sup>2</sup>

3.	Latitude & Longitude	S. No.	Corner	Latitude	Longitude
		1	Corner A	30°38'23.42"N	76°49'19.22"E
		2	Corner B	30°38'22.74"N	76°49'19.29"E
		3	Corner C	30°38'20.88"N	76°49'18.11"E
		4	Corner D	30°38'21.06"N	76°49'17.52"E
		5	Corner E	30°38'14.64"N	76°49'14.48"E
		6	Corner F	30°38'15.58"N	76°49'12.32"E
		7	Corner G	30°38'20.50"N	76°49'14.87"E
4.	Classification/Land use pattern as per Master Plan	The Project falls under Existing built-up area as per Master Plan of Zirakpur.			
5.	Cost of the project	Rs. 55.59 Crores			
6.	Environmental Clearance. Fee details	Rs 94770/- vide NEFT No. S1755369 dated 27.11.2019			
7.	Total Plot Area, Built-up Area, and Green area	Sr.No.	Description	Area	
		1.	Plot Area (Total scheme area)	15,381.27 sqm (i.e. 3.801 acres)	
		2.	Built-up area	47,380.76 m <sup>2</sup>	
		3.	Green area	714.49 m <sup>2</sup>	
8.	Population (when fully operational)	7,230 Persons.			
9.	Water Requirements & source in Construction Phase	<p>1. 50 KLD (Max) treated wastewater will be used for construction purposes depending upon the requirement and the same will be met from nearby STPs by using private water tankers.</p> <p>2. Domestic demand for 50 workers during peak period @ 3 KLD (@ 45 lpcd) shall be met from the groundwater.</p>			
10.	Treatment & Disposal arrangements of Wastewater in construction phase in Construction Phase	<p>Wastewater generated (2.4 KLD) will be treated in the septic tank and treated wastewater will be used for plantation purposes.</p>			
	Handling of waste material during the construction	<p>Waste Material handling will be carried out as per Construction and Demolition (C&amp;D) Waste Management Rules, 2016. The site contractor will be responsible for the collection &amp; storage of construction and demolition waste generated on the site.</p>			

	phase																					
11.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter)																					
	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Season</th> <th>Total water requirement</th> <th>Flushing water Requirement</th> <th>Freshwater requirement</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>325 KLD</td> <td>116</td> <td>209</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>325 KLD</td> <td>116</td> <td>209</td> </tr> <tr> <td>3.</td> <td>Rainy</td> <td>325 KLD</td> <td>116</td> <td>209</td> </tr> </tbody> </table>	S.No.	Season	Total water requirement	Flushing water Requirement	Freshwater requirement	1.	Summer	325 KLD	116	209	2.	Winter	325 KLD	116	209	3.	Rainy	325 KLD	116	209	
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2.	Winter	325 KLD	116	209																		
3.	Rainy	325 KLD	116	209																		
12.	Disposal Arrangement of Wastewater in Operation Phase	<p>Total wastewater generation will be 260 KLD out of which black water will be 182 KLD and grey water will be 78 KLD and the same will be treated in STP of capacity 200 KLD based on MBBR technology and 78 KLD in WWTP of capacity 100 KLD respectively to be installed within the project premises. After evaporation &amp; other losses, 255 KLD treated wastewater available at the STP &amp;WWP. The details of the disposal of treated wastewater will be as under: -</p> <table border="1"> <thead> <tr> <th>Season</th> <th>Flushing (KLD)</th> <th>Green Area (KLD)</th> <th>Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>Summer</td> <td>116</td> <td>4.0</td> <td>135</td> </tr> <tr> <td>Winter</td> <td>116</td> <td>1.5</td> <td>137.5</td> </tr> <tr> <td>Monsoon</td> <td>116</td> <td>0.5</td> <td>138.5</td> </tr> </tbody> </table>	Season	Flushing (KLD)	Green Area (KLD)	Sewer (KLD)	Summer	116	4.0	135	Winter	116	1.5	137.5	Monsoon	116	0.5	138.5				
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Monsoon	116	0.5	138.5																			
13.	Rainwater recharging detail	218 m <sup>3</sup> /hr of rainwater will be collected in 5 no. of Rainwater recharging pits with dual-bore.																				
14.	Solid waste generation and its disposal	<p>a) 1,446 kg/day</p> <p>b) Solid waste will be appropriately segregated (at source by providing bins) into recyclable, Bio- degradable Components and non-biodegradable.</p> <p>c) 650 kg/day of Bio-degradable Solid Waste will be Converted into Manure using Mechanical Composters of size 500 &amp; 150 kg and the same will be used for horticulture proposes within the project site.</p> <p>d) 766 kg/day of Non-biodegradable or dry waste will be handed over to authorized waste pickers as per Solid Waste Management Rules, 2016.</p> <p>e) 30 kg/day of Domestic hazardous waste such as Discarded paint drums, pesticide cans, CFL bulbs, tube lights, expired medicines, broken mercury thermometers, used batteries and contaminated gauge, etc. will be disposed off to authorized vendors as per Solid Waste Management Rules, 2016.</p>																				

15.	Green Belt Development Plan including no. of trees to be planted & its species.	Total 200 no. of trees will be planted against the requirement of 192 no i.e. (1 tree @ 80 sqm of land area of 15,381.27 sqm).
16.	Hazardous Waste & E-Waste	Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules 2018.
17.	Energy Requirements & Saving	a) 3,434 KW from PSPCL. b) 6 number of DG sets of capacity 750 kVA each equipped with canopy. Energy Saving measures: 120 KW energy will be generated by installation of Solar panels on 30% rooftop area i.e. 4,763.69 m <sup>2</sup> with a cost of Rs. 96 Lacs.
18.	Other Permissions	<ul style="list-style-type: none"> <li>• MC, Zirakpur vide letter no. 3063 dated 25.11.2019 granted NOC for joining the project sewer to the MC sewer for discharging the treated wastewater with certain conditions.</li> <li>• MC, Zirakpur vide letter no. 3065 dated 25.11.2019 issued certificate to the effect that necessary arrangements for the lifting of waste material and garbage will be made for which expenditure shall be paid by the project proponent.</li> <li>• Competent Authority cum Dy. Director, Local Govt. Patiala vide letter no. 20134 dated 30.07.2019 has granted CLU for the Commercial Purpose to the promoter company.</li> </ul>

The case was lastly considered by the SEAC in its 188<sup>th</sup> meeting held on 04.03.2020 wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications to 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 for establishment of the project subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 164<sup>th</sup> meeting held on 12.06.2020. 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 accept the recommendations of SEAC and grant Environmental Clearance for the establishment of the commercial project namely "Orbit Signature Walk" having a built-up area of 47380.76 sqm in a total land area of 15381.27 sqm located at VIP Road, Zirakpur, Tehsil Derabassi, Distt. SAS Nagar as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC & certain amendments therein & agreed by the Project proponent.

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 proposed measures & strict compliance of terms and conditions as follows: -

**I. Statutory compliance:**

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye-laws.
- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for drawl of groundwater/ surface water required for the project from the competent authority.



- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by the Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either submit the NOC/ land use conformity certificate from Deptt of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities/establishments to be set up at the project site in consonance with the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to carry out Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of the stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The use of low sulphur diesel should be ensured. The

location of the DG sets may be decided in consultation with Punjab Pollution Control Board.

- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind-breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum, and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- x) Grinding and Cutting of building material in an open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the standards as enumerated in the Environmental (Protection) Rules, 1986 as prescribed for air and noise emission.
- xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be followed.
- xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e. metallic road)

- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures be notified at the site.

**III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring the unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total domestic water requirement for the project will be 325 KLD, out of which 209 KLD shall be met through its tube well and remaining through the recycling of treated wastewater. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 260 KLD out of which black water will be 182 KLD and greywater will be 78 KLD, which will be treated in proposed STP of capacity 200 KLD based on MBBR technology and WWTP of capacity 100 KLD respectively, to be installed within the project premises. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater of 255 KLD available at the outlet of STP & WWTP after evaporation and other losses, shall be as under: -

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	Into Sewer* (KLD)
1.	Summer	116	4.0	135
2.	Winter	116	1.5	137.5
3.	Rainy	116	0.5	138.5

\* Note: Surplus treated wastewater will be discharged into MC sewer as and when sewer connection is available with the project.

- b) A storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During the construction phase, the project proponent shall ensure that the wastewater being generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of

such wastewater and treated effluents shall be utilized for green area/plantation

- vi) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided if required.
- vii) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six-monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance water available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.
- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in the form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/groundwater abstraction in their Building Construction & Industrial projects.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Colour code
a)	Fresh water	Blue

b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. Thus, 05 nos of rainwater harvesting recharge pits (with dual-bore) shall be provided for groundwater recharging. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at the site.
- xviii) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xix) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six-monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in phased manner viz a viz in module system designed in such a way so as to efficiently treat the wastewater with increase in its quantity

due to rise in occupancy. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water, and gardening. No treated water shall be disposed of into municipal storm water drain.

- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be provided as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i) Compliance with the Punjab Energy Conservation Building Code (PECBC) of Energy Efficiency shall be ensured.
- ii) Outdoor and common area lighting shall be LED.

- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or any other Renewable Energy equipment shall be installed to meet electricity generation equivalent to at least 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power by utilizing at least 30% of the rooftop area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

## **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed in such a way so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No tree shall be felled/transplanted unless extreme exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.



- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

#### **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.
  - c) Proper design of entry and exit points.
  - d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

#### **IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India shall be strictly followed.

- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 56,00,000/- for providing wastewater treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 215.0 Lacs towards the capital cost and Rs 12.0 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend a minimum amount of Rs 19.5 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project

proponent until the responsibility of the environmental management plan is transferred to the occupier/resident's society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

**XI. Validity**

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

**XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU granted vide letter no. CLU/DDLG/PTL/2019/20134 dated 30.07.2019.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC /SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production /operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee and SEIAA.
- xi) No further expansion or modifications in the plant/project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data/ information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Additional Conditions: -**

- i) The project proponent shall plant 200 no. of trees of native varieties within the projects as per the guidelines of the MoEF/SEIAA.
- ii) The project proponent shall utilize only one borewell having motor power as mentioned in the CGWA application to abstract the groundwater. Other borewell, if any, will be sealed/buried and compliance of the same be submitted to the SEIAA along with six-monthly report.

  
**Member Secretary**

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**Endst. No.** \_\_\_\_\_ **Registered** **Date** \_\_\_\_\_

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 Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, SAS Nagar.
6. The Deputy Director General (C), Ministry of Environment, Forests & Climate Change, Northern Regional Office, Bays No. 24-25, Sector- 31-A, Chandigarh.
7. The Chief Town Planner, Department of Town & Country Planning, 6<sup>th</sup> Floor, PUDA Bhawan, Phase-8, Mohali.
8. The Joint Director, 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. Parshotam Singh Grewal  
(Director)
  - b) Phone Number : 01762-519205
  - c) Email Id : orbitwalk@gmail.com
9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110003.

  
**Member Secretary**

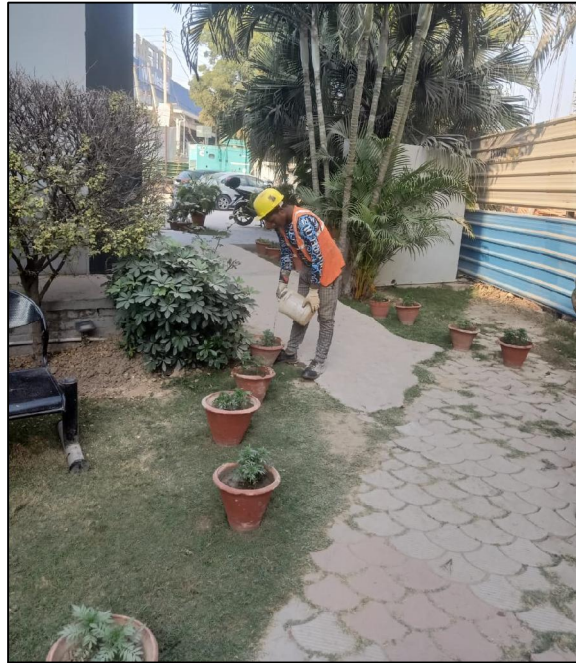
**CONSTRUCTION SITE**



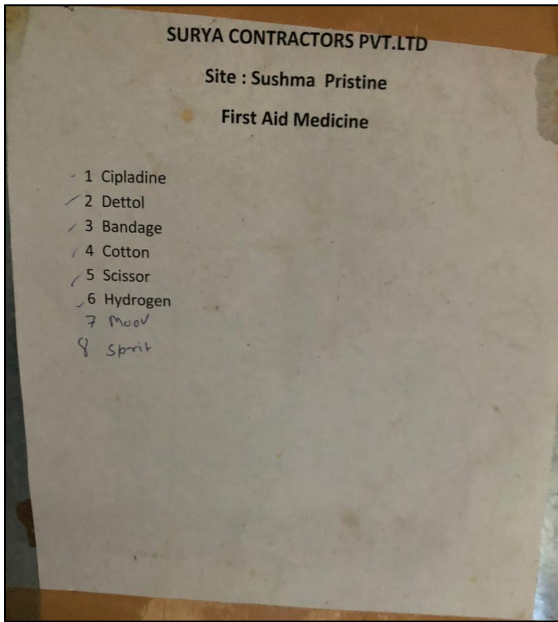








**GREEN AREA DEVELOPED**



**FIRST AID FACILITIES**



**DUST BINS**



**DG SETS**

WATER SPRINKLING FOR DUST CONTROL ON PROJECT SITE



**OFFICE OF REGIONAL DEPUTY DIRECTOR -CUM- COMPETENT  
AUTHORITY LOCAL GOVT. PATIALA UNDER PAPRA**

FORM VII  
(See rule 39)

**COMPETENT AUTHORITY**

**Order**

No. CLU/DDLG/PTL/2019/ 20134

Dated 30/07/2019

To

Orbit Apartment Construction Pvt. Ltd.  
# 1123, Phase-V, S.A.S.Nagar (PB)  
(ਰਕਬਾ ਹੱਦਬਸਤ ਨੰ:44, ਪਿੰਡ ਬਿਸਨਪੁਰਾ, ਸਬ ਤਹਿਸੀਲ ਜੀਰਕਪੁਰ,  
ਜਿਲ੍ਹਾ ਐੱਸ.ਏ.ਐੱਸ.ਨਗਰ ।

**Subject :-** ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ ਵਿਖੇ ਪਿੰਡ ਬਿਸਨਪੁਰਾ ਦੀ ਹੱਦਬਸਤ ਨੰ: 44 ਵਿੱਚ ਰਕਬਾ  
18 ਬਿੱਘੇ 5 ਬਿਸਵੇ ਦਾ ਕਮਰਸੀਅਲ ਮੰਤਵ ਲਈ ਸੀ.ਐਲ.ਯੂ.ਸਬੰਧੀ। (ਆਨ ਲਾਈਨ  
ਐਪਲੀਕੇਸ਼ਨ/ Orbit Apartment Construction Pvt. Ltd. )

Permission is hereby granted for change of land use under sub-section  
(1) of section 81 of the Punjab Regional and Town Planning and Development Act,  
1995 for Commercial Purpose is given below.

Khasra No.	Total Area	Total Area in Scheme ( as per Sajra/Khasra Plan )	Area for Road Widening	Total Area under CLU
	Bigha-Biswa-Biswasi	Bigha-Biswa-Biswasi	Bigha-Biswa-Biswasi	Bigha-Biswa-Biswasi
167	4-9-0	4-9-0	1-0.78-0	3-8.22-0
168	3-19-0	3-19-0	0-4.38-0	3-14.62-0
169	4-0-0	4-0-0	-	4-0-0
170	4-0-0	4-0-0	-	4-0-0
643/183/1	1-17-0	1-17-0	-	1-17-0
Total	18-5-0	18-5-0	1-5.16-0	16-19.84-0

As mentioned in your application under reference, subject to the following conditions :-

- (i) That building operations shall be carried on strictly in accordance with the approved building plan.
- (ii) That development of land shall be carried out strictly in conformity with the Master Plan and in accordance with the approved plan and in case of development of a colony the plans shall be got approved from the Competent Authority under the Punjab Apartment and Property Regulations Act, 1995 or under T.P. Scheme from Govt. and the rules made thereunder :-
- (iii) That required permission shall be obtained as per building rules before the commencement of building operations in the areas :

- (IV) The Change of landuse shall be in the hands of All Partners of Orbit Apartment Construction Pvt. Ltd. for development of residential colony after obtaining a License under the PAPR Act, 1995, /or Commercial Purpose other wise this Permission stands cancelled without any notice.
- 1) Colony shall be develop as a single unit and not bifurecated into different segments/portions.
  - 2) Conversion charges if any levied by the Government or any other Agency at any time shall be borne by you.
  - 3) Outstanding loans if any against any Khasra Number of the above said land shall be cleared before sale of plots.
- (V) Any violations or deviations from the permission granted shall lead to can-cellation of the same.
- (VI) The Promoter shall deposit EDC/License/Permission Fee and all other change levied or to be levied by Local Govt. Department, from from time to time.
- (VII) Promoter shall develop the site after taking license under PAPRA, 1995 from the Competent Authority or under Commercial Purpose and shall not bifurcate the site.
- (VIII) The promoter shall be responsible for any Litigation if any regarding land in any court of Law.
- (IX) Promoter shall not undertake any development work at site until building plans are approved by the Competent Authority.
- (X) Thorough revenue rastas passing through the site shall be kept unobstructed.
- (XI) Promoter shall obtain NOC from PPCB under the Water (Prevention and Control of Pollution) Act, 1974, Municipal Solid Waste Management and Handling Rules, 2008 or any other relevant act before undertaking the development at site.
- (XII) The Promoter shall ensure the minimum distance from the nearby industry as prescribed by PPCB, Deptt. Of Environment or other Competent Authority in this regard and also as per notification of Department of Science, Technology, Environment and Non Conventional Energy dt. 25.07.2008 and get the clearance from PPCB before undertaking development site.
- (XIII) Promoter shall not make any construction under L.T. electric lines passing through the colony or shall get these lines shifted by applying to the concerned authority.
- (XIV) This permission will not provide any immunity from any other Act/Rules/Regulations applicable to the land in question.
- (XV) Promoter shall obtain permission from the Forest Deptt. Government of India under Forest Act, 1980 before undertaking development at site.
- (XVI) Promoter shall make provision for the disposal of rain/storm water of the proposed project and shall not obstruct the flow of rain/storm water of the surrounding area.
- (XVII) Promoter shall make provision of rainwater harvesting within the project area at its own cost.
- (XVIII) Promoter would make its own suitable provision for drinking water supply and disposal of sewerage & Solid Waste management.


- XIX) Promoter shall obtain any other permission required under any other Act at his level.
- XX) The promoter would abide by the instructions issued by the State Government or its any agency from time to time.
- XXI) Promoter shall develop the site as per proposals of Master Plan, Zirakpur.
- XXII) The Promoter shall obtain approval/NOC from Competent Authority to fulfill the requirement of notification dated 14.09.2006 of Ministry of environment and Forest, Government of India before starting the development works of the colony.
- XXIII) The promoter will not permitted to use ground water for the purpose of construction as per the guide line issued by the Hon'ble High Court.
- XXIV) Promoter will not sold any plot till the final approval of Project.

ਨੋਟ :- ਉਕਤ ਤੋਂ ਇਲਾਵਾ ਹੇਠ ਲਿਖੀਆਂ ਸ਼ਰਤਾਂ ਵੀ ਲਗਾਈਆਂ ਜਾਂਦੀਆਂ ਹਨ :-

1. ਉਕਤ ਸਾਈਟ ਦਾ ਸੀ.ਐਲ.ਯੂ ਸਬੰਧਤ ਭੌਂ ਮਾਲਕਾਂ ਦੇ ਨਾਂ ਤੇ ਹੋਵੇਗਾ ਅਤੇ ਸੀ.ਐਲ.ਯੂ ਦੀ ਮਿਆਦ ਉਸ ਸਮੇਂ ਤੱਕ ਹੀ ਰਹੇਗੀ ਜਦੋਂ ਤੱਕ ਸਾਈਟ ਦਾ ਯੂਜ਼ ਮਾਸਟਰ ਪਲੈਨ ਅਨੁਸਾਰ ਹੋਵੇਗਾ । ਪ੍ਰੰਤੂ ਇਹ ਸੀ.ਐਲ.ਯੂ ਦੀ ਪ੍ਰਵਾਨਗੀ ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਭੌਂ ਮਾਲਕੀ ਜਾਂ ਮਾਲਕੀ ਹੱਕਾਂ ਨੂੰ ਪ੍ਰਭਾਵਿਤ ਨਹੀਂ ਕਰੇਗੀ।
2. ਉਕਤ ਕਕਸ਼ੇ ਨੂੰ ਬਿਨੇਕਾਰ ਵੱਲੋਂ ਬਤੌਰ ਸਿੰਗਲ ਯੂਨਿਟ ਹੀ ਡਿਵੈਲਪ ਕੀਤਾ ਜਾਵੇਗਾ। ਇਸ ਨੂੰ ਡਿਵੈਲਪ ਕਰਨ ਦੇ ਮੰਤਵ ਲਈ ਵੱਡਿਆ ਨਹੀਂ ਜਾਵੇਗਾ।
3. ਉਕਤ ਸਾਈਟ ਦਾ ਸੀ.ਐਲ.ਯੂ ਕੇਵਲ ਕਮਰਸੀਅਲ ਪਰਪਜ ਦੀ ਉਸਾਰੀ ਲਈ ਹੀ ਹੋਵੇਗਾ।
4. ਬਿਨੇਕਾਰ ਵੱਲੋਂ ਉਕਤ ਸਾਈਟ ਦਾ ਵਿਕਾਸ ਮਾਸਟਰ ਪਲੈਨ ਦੀਆਂ ਤਜਵੀਜਾਂ ਅਨੁਸਾਰ ਕੀਤਾ ਜਾਵੇਗਾ ਅਤੇ ਸਾਈਟ ਨੂੰ ਵਿਕਸਤ ਕਰਨ ਲਈ ਵਿਕਾਸ ਕਾਰਜ ਕਲੋਨੀ ਦੀ ਫਾਈਨਲ ਪ੍ਰਵਾਨਗੀ ਲੈਣ ਉਪਰੰਤ ਹੀ ਆਰੰਭ ਕੀਤੇ ਜਾਣਗੇ।
5. ਬਿਨੇਕਾਰ ਸਾਈਟ ਨੂੰ ਲਗਦੇ ਰੈਵੀਨਿਊ ਰਸਤੇ ਨੂੰ ਮਾਸਟਰ ਪਲੈਨ ਅਨੁਸਾਰ ਚੌੜਾ ਕਰਨ ਦਾ ਪਾਬੰਧ ਹੋਵੇਗਾ ।
6. ਬਿਨੇਕਾਰ ਵੱਲੋਂ ਉਕਤ ਸਾਈਟ ਅੰਦਰ ਉਸਾਰੀ ਬਿਲਡਿੰਗ ਬਾਈਲਾਜ/ਮਾਸਟਰ ਪਲੈਨ ਦੀਆਂ ਤਜਵੀਜਾਂ ਅਨੁਸਾਰ ਨਗਰ ਕੌਂਸਲ ਪਾਸੋਂ ਲੋੜੀਂਦੀ ਪ੍ਰਵਾਨਗੀ ਲੈਣ ਉਪਰੰਤ ਹੀ ਕਰੇਗਾ ।
7. ਬਿਨੇਕਾਰ ਸਾਈਟ ਵਿਚ ਪੈਂਦੇ ਰੈਵੀਨਿਊ ਰਸਤਿਆਂ ਅਤੇ ਮਾਸਟਰ ਪਲੈਨ ਅਨੁਸਾਰ ਤਜਵੀਜਤ ਰਸਤਿਆਂ ਨੂੰ ਬਿਨਾਂ ਕਿਸੇ ਕੁਕਾਵਟ ਦੇ ਬਤੌਰ ਰਸਤਿਆਂ ਵਿਚ ਰੱਖਣ ਦਾ ਪਾਬੰਧ ਹੋਵੇਗਾ।
8. ਬਿਨੇਕਾਰ ਪੀ.ਪੀ.ਸੀ.ਬੀ. ਤੋਂ ਜੇਕਰ ਲੋੜੀਂਦਾ ਹੋਵੇ ਤਾਂ ਐਨ.ਓ.ਸੀ. ਲੈਣ ਦੇ ਪਾਬੰਧ ਹੋਣਗੇ, ਇਸ ਤੋਂ ਇਲਾਵਾ ਅਗਰ ਕਿਸੇ ਹੋਰ ਵਿਭਾਗ/ਅਥਾਰਟੀ ਜਿਵੇਂ ਕਿ ਜੰਗਲਾਤ/ਨੈਸ਼ਨਲ ਹਾਈਵੇ/ਏਅਰ ਪੌਰਟ ਅਥਾਰਟੀ/ਸਫ਼ਿਊਲ ਰੋਡ ਸਬੰਧੀ ਜਾਂ ਕਿਸੇ ਹੋਰ ਵਿਭਾਗ ਤੋਂ ਐਨ.ਓ.ਸੀ. ਲੋੜੀਂਦੀ ਹੋਵੇ ਤਾਂ ਉਹ ਆਪਣੇ ਪੱਧਰ ਤੇ ਲੈਣ ਦੇ ਪਾਬੰਧ ਹੋਣਗੇ। ਇਸ ਤੋਂ ਇਲਾਵਾ ਅਗਰ ਕਿਸੇ ਹੋਰ ਐਕਟ/ਰੂਲ ਅਧੀਨ ਕਿਸੇ ਵੀ ਵਿਭਾਗ ਪਾਸੋਂ ਐਨ.ਓ.ਸੀ. ਜਾਂ ਕਿਸੇ ਕਿਸਮ ਦੀ ਕਲੀਅਰੈਂਸ ਲੋੜੀਂਦੀ ਹੋਣ ਤਾਂ ਬਿਨੇਕਾਰ ਉਸ ਸਬੰਧੀ ਉਨ੍ਹਾਂ ਵਿਭਾਗਾਂ ਪਾਸੋਂ ਐਨ.ਓ.ਸੀ. ਲੈਣ ਦੇ ਪਾਬੰਧ ਹੋਣਗੇ।
9. ਉਕਤ ਸਾਈਟ ਜਾਂ ਸਾਈਟ ਦਾ ਕੋਈ ਹਿੱਸਾ ਅਗਰ ਕਿਸੇ ਸਟੇਟ ਗੋ./ਸੈਟਰ ਗੋ. ਵੱਲੋਂ ਕਿਸੇ ਕੰਟਰੋਲਡ ਕਕਸ਼ੇ ਜਾਂ ਕਿਸੇ ਵਰਜਿਤ ਕਕਸ਼ੇ ਅਧੀਨ ਆਉਂਦਾ ਹੋਵੇਗਾ ਤਾਂ ਬਿਨੇਕਾਰ ਉਸ ਨੂੰ ਮੰਨਣ ਦੇ ਪਾਬੰਧ ਹੋਣਗੇ ।
10. ਬਿਨੇਕਾਰ ਸਾਈਟ ਵਿੱਚੋਂ ਲੰਘਦੀਆਂ ਬਿਜਲੀ ਦੀਆਂ ਲਾਈਨਾਂ ( ਜੇਕਰ ਹੋ ਤਾਂ ) ਹੇਠ ਕੋਈ ਉਸਾਰੀ ਨਹੀਂ ਕਰਨਗੇ ਜਾਂ ਬਿਜਲੀ ਦੀਆਂ ਲਾਈਨਾਂ ਨੂੰ ਸਬੰਧਤ ਵਿਭਾਗ ਪਾਸ ਸਿਫਟ ਕਰਵਾਉਣਗੇ ।
11. ਸੀ.ਐਲ.ਯੂ ਦੀ ਇਸ ਪ੍ਰਵਾਨਗੀ ਨਾਲ ਦੇਸ਼/ਪ੍ਰਾਂਤ ਦੇ ਲਾਗੂ ਕਿਸੇ ਵੀ ਐਕਟ/ਰੂਲਜ਼/ਰਿਗੂਲੇਸ਼ਨ ਵਿੱਚ ਕਿਸੇ ਕਿਸਮ ਦੀ ਫ਼ੋਟ ਨਹੀਂ ਹੋਵੇਗੀ । ਇਹਨਾਂ ਐਕਟ/ਰੂਲਜ਼/ਰਿਗੂਲੇਸ਼ਨ ਅਧੀਨ ਬਣਦੀਆਂ/ਲੋੜੀਂਦੀਆਂ ਕਲੀਅਰੈਂਸ ਲੈਣ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਬਿਨੇਕਾਰਾਂ ਦੀ ਹੋਵੇਗੀ ।
12. ਬਿਨੇਕਾਰ ਉਕਤ ਸਾਈਟ ਵਿੱਚੋਂ ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਨਿਕਾਸ ਦਾ ਪ੍ਰਬੰਧ ਖੁਦ ਕਰੇਗਾ ਅਤੇ ਵਿਸ਼ੇ ਅਧੀਨ ਜਮੀਨ ਵਿੱਚੋਂ ਲੰਘਦੇ ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੇ ਕੁਦਰਤੀ ਡਰੇਨੇਜ ਆਦਿ ਵਿੱਚ ਕਿਸੇ ਤਰ੍ਹਾਂ ਦੀ ਕੋਈ ਕੁਕਾਵਟ ਨਹੀਂ ਪਾਉਣਗੇ।
13. ਬਿਨੇਕਾਰ ਉਕਤ ਸਾਈਟ ਦੀ ਸੀ.ਐਲ.ਯੂ ਦੀ ਪ੍ਰਵਾਨਗੀ ਉਪਰੰਤ ਜਮੀਨ ਦੀ ਵਿਕਰੀ ਲਈ ਉਨ੍ਹੀਂ ਦੇਰ ਤੱਕ ਕੋਈ ਵੀ ਬੁਕਿੰਗ ਜਾਂ ਬੁਕਿੰਗ ਲਈ ਇਸਤਿਹਾਰਬਾਜ਼ੀ ਨਹੀਂ ਕਰਨਗੇ ਜਿਨੀ ਦੇਰ ਤੱਕ ਵਿਸ਼ੇ ਅਧੀਨ ਸਾਈਟ ਦੀ ਨਗਰ ਕੌਂਸਲ ਪਾਸੋਂ ਲੋੜੀਂਦੀ ਪ੍ਰਵਾਨਗੀ ਨਹੀਂ ਹੋ ਜਾਂਦੀ ।

14. ਬਿਨੈਕਾਰ ਉਕਤ ਸਾਈਟ ਅੰਦਰ ਚੋਨ ਵਾਟਰ ਹਾਰਵੈਸਟਿੰਗ, ਪੀਣ ਵਾਲੇ ਪਾਣੀ, ਸੀਵਰੇਜ ਡਿਸਪੋਜ਼ਲ ਦਾ ਪ੍ਰਬੰਧ/ਐਸ.ਟੀ.ਪੀ., ਪੰਜਾਬ ਈ.ਸੀ.ਬੀ.ਸੀ ਅਤੇ ਸੋਲਿਡ ਵੇਸਟ ਮੈਨੇਜਮੈਂਟ ਆਦਿ ਦੇ ਪ੍ਰਬੰਧ ਖੁਦ ਕਰਨਗੇ।
15. ਬਿਨੈਕਾਰ ਸਰਕਾਰ ਦੀਆਂ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਸਾਈਟ ਅੰਦਰ ਇਮਾਰਤ ਦੀ ਉਸਾਰੀ ਵਾਸਤੇ ਅੰਬਰ ਗਰਾਊਂਡ ਪਾਣੀ ਦੀ ਵਰਤੋਂ ਨਹੀਂ ਕਰਨਗੇ।
16. ਜੇਕਰ ਬਿਨੈਕਾਰ ਕਿਸੇ ਵੀ ਸ਼ਰਤ ਦੀ ਉਲੰਘਣਾ ਕਰਦਾ ਹੈ ਜਾਂ ਇਸ ਕੇਸ ਵਿੱਚ ਦਿੱਤੇ ਗਏ ਦਸਤਾਵੇਜ਼ਾਂ ਵਿੱਚ ਕੋਈ ਗਲਤ ਸੂਚਨਾ ਦਿੱਤੀ ਗਈ ਹੈ ਤਾਂ ਉਸ ਸੂਰਤ ਵਿੱਚ ਵੀ ਬਿਨੈਕਾਰ ਦਾ ਸੀ.ਐਲ.ਯੂ. ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਤੇ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।
17. ਕੋਲਕਲੇਸਨ ਵਿੱਚ ਕੋਈ ਫਰਕ ਜਾਂ ਸਰਕਾਰ ਦੀ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਚਾਰਜਿਜ ਵਿੱਚ ਕੋਈ ਵਾਧਾ/ਘਾਟਾ ਹੋਇਆ ਤਾਂ ਆਪ ਉਹ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੇ। ਜਮ੍ਹਾਂ ਨਾ ਕਰਵਾਉਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਇਸ ਕੇਸ ਦਾ ਜਾਰੀ ਕੀਤਾ ਸੀ.ਐਲ.ਯੂ. ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਤੇ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।
18. ਕਾਰਜ ਸਾਧਕ ਅਵਸਰ, ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ ਇਸ ਕੇਸ ਦੇ ਨਕਸ਼ੇ ਦੀ ਪੁਵਾਨਗੀ ਦੇਣ ਤੋਂ ਪਹਿਲਾਂ ਬਿਨੈਕਾਰ ਤੋਂ ਰੋਡ ਵਾਇਡਨਿੰਗ ਅਧੀਨ ਆਉਂਦਾ ਰਕਬਾ ਛੱਡਣਾ ਯਕੀਨੀ ਬਣਾਏ ਅਤੇ ਇਹ ਵੀ ਯਕੀਨੀ ਬਣਾਏ ਕਿ ਕੀ ਸਬੰਧਤ ਬਿਨੈਕਾਰ ਵੱਲੋਂ ਸਰਕਾਰ ਦੀਆਂ ਹਦਾਇਤਾਂ/ਰੂਲਾਂ ਅਨੁਸਾਰ ਮੁਕੰਮਲ ਬਣਦੇ ਚਾਰਜਿਜ ਜਮ੍ਹਾਂ ਕਰਵਾਏ ਗਏ ਹਨ। ਇਸ ਤੋਂ ਇਲਾਵਾ ਇਹ ਵੀ ਕਲੀਅਰ ਕਰ ਲਿਆ ਜਾਵੇ ਕਿ ਸਬੰਧਤ ਬਿਨੈਕਾਰ ਵਲੋਂ ਰੋਡ ਵਾਇਡਨਿੰਗ ਦੇ ਰਕਬੇ ਦੇ ਚਾਰਜਿਜ ਜਮ੍ਹਾਂ ਕਰਵਾਏ ਗਏ ਹਨ ਜਾਂ ਨਹੀਂ?
19. ਬਿਨੈਕਾਰ ਰੂਲ/ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਪੈਪਰ ਐਕਟ ਅਧੀਨ ਪ੍ਰੋਜੈਕਟ ਦਾ ਲਾਇਸੈਂਸ ਲੈਣ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।
20. ਆਪ/ਬਿਨੈਕਾਰ ਇਸ ਪ੍ਰੋਜੈਕਟ ਦਾ ਪੈਪਰ ਐਕਟ 1995 ਅਨੁਸਾਰ ਲਾਇਸੈਂਸ ਲੈਣ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗੇ।
21. ਬਿਨੈਕਾਰ ਆਪਣੇ ਪ੍ਰੋਜੈਕਟ ਨੂੰ ਰੋਕਾ ਅਧੀਨ ਰਜਿਸਟਰਡ ਕਰਵਾਉਣ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।
22. ਨਾਇਬ ਤਹਿਸੀਲਦਾਰ, ਜੀਰਕਪੁਰ ਦੇ ਪੱਤਰ ਨੰ:225 ਮਿਤੀ 30-05-2019 ਅਨੁਸਾਰ ਜਾਰੀ ਕੀਤਾ ਜਾਂਦਾ ਹੈ।
23. ਭਵਿੱਖ ਵਿੱਚ ਜੇਕਰ ਹਿੱਸੇਦਾਰੀ ਸਬੰਧੀ ਕਿਸੇ ਕਿਸਮ ਦੀ ਲਿਟੀਗੇਸ਼ਨ ਹੁੰਦੀ ਹੈ, ਤਾਂ ਉਸ ਸਬੰਧੀ ਇਹ ਦਫਤਰ ਜਿੰਮੇਵਾਰ ਨਹੀਂ ਹੋਵੇਗਾ, ਉਸ ਦੀ ਨਿਰੋਲ ਜਿੰਮੇਵਾਰੀ ਆਪ/ਪ੍ਰਾਰਥੀ ਦੀ ਹੋਵੇਗੀ।
24. ਆਪ ਨੂੰ ਇਹ ਵੀ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਵਿਸ਼ੇ ਸਬੰਧੀ ਤਜਵੀਜਤ ਸਾਈਟ ਦੇ ਰੋਡ ਵਾਇਡਨਿੰਗ ਅਧੀਨ ਆਉਂਦੇ ਰਕਬੇ ਦੇ ਚਾਰਜਿਜ ਜੇਕਰ ਜਮ੍ਹਾਂ ਨਹੀਂ ਕਰਵਾਏ ਗਏ, ਤਾਂ ਇਸ ਰਕਬੇ ਦੇ ਚਾਰਜਿਜ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣੇ ਯਕੀਨੀ ਬਣਾਏ ਜਾਣ।

ਜੇਕਰ ਆਪ/ਬਿਨੈਕਾਰ ਵਲੋਂ ਉਪਰੋਕਤ ਕਿਸੇ ਵੀ ਸ਼ਰਤ ਦੀ ਉਲੰਘਣਾ ਕਰਦਾ ਹੈ ਜਾਂ ਇਸ ਕੇਸ ਵਿੱਚ ਦਿੱਤੇ ਦਸਤਾਵੇਜ਼ਾਂ ਵਿੱਚ ਕੋਈ ਗਲਤ ਸੂਚਨਾ ਦਿੱਤੀ ਗਈ ਹੈ ਤਾਂ ਉਸ ਸੂਰਤ ਵਿੱਚ ਬਿਨੈਕਾਰ ਦਾ ਸੀ.ਐਲ.ਯੂ. ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਤੇ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।

  
 COMPETENT AUTHORITY  
 -CUM-DEPUTY DIRECTOR,  
 LOCAL GOVT. PATIALA  
 20/11/2019





**PUNJAB POLLUTION CONTROL BOARD**  
**Invest Punjab, Udyog Bhawan, Sector 17, Chandigarh**  
 Website:- [www.ppcb.gov.in](http://www.ppcb.gov.in)

<b>Office Dispatch No :</b>	<b>Registered/Speed Post</b>	<b>Date:</b>
<b>Industry Registration ID:</b> R20SAS96173		<b>Application No :</b> 16307567

To,  
**Parshotam Singh Grewal**  
**M/s Orbit Apartment Construction Pvt. Ltd., Chandigarh Ambala Highway, Vip Road, Zirakpur, District**  
**Sas Nagar (punjab)**  
**Zirakpur, Mohali-140603**

**Subject: Extension in the validity of consent to establish granted to the industry under the Water Act, 1974 and Air Act, 1981.**

**1. Particulars of Consent to Establish (NOC) for Extension granted to the Industry**

<b>Certificate No.</b>	CTE/Ext/SAS/2021/16307567
<b>Date of issue :</b>	29/07/2021
<b>Date of expiry :</b>	27/05/2025
<b>Certificate Type :</b>	Extension
<b>Previous CTE/CTO No. &amp; Validity :</b>	CTE/Fresh/SAS/2020/12514885 From:13/07/2020 To:12/07/2021

**2. Particulars of the Industry**

<b>Name &amp; Designation of the Applicant</b>	Parshotam Singh Grewal , (Director)
<b>Address of Industrial premises</b>	Orbit Signature Walk By M/s Orbit Apartment Construction Pvt. Ltd. , Vip Road, Zirakpur, sas Nagar (punjab)., Derabassi, Sas Nagar-140603
<b>Category of Industry</b>	Red
<b>Type of Industry</b>	1063-Building and construction projects more than 20,000 sq. m built up area and having waste water generation 100 KLD and above
<b>Scale of the Industry</b>	Large
<b>Office District</b>	Sas Nagar

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*Page 1*

In pursuance of the request made by the project proponent vide application dated 14/07/2021, received through online, the validity of Consent to Establish already granted to the project proponent vide no. CTE/Fresh/SAS/2020/12514885 dated 13.07.2020 which was valid upto 12.07.2021, under the Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981, is, hereby, further extended up to 27/05/2025, subject to the same conditions mentioned therein, and following additional conditions:

1. The promoter company shall comply with the conditions of the Environment Clearance granted by the competent authority.
2. The promoter company shall comply with the CLU granted by the Regional Deputy Director-CUM-Competent, Authority Local Govt. under PAPRA Act, 1955.
3. The promoter company shall only utilized treated wastewater for construction activity.
4. The promoter company shall ensure the compliance of the Solid Waste Management Rules, 2016 and being the bulk waste generator shall ensure segregation of solid waste at source, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers as prescribed in Solid Waste Management Rules, 2016. The bio-degradable waste shall be processed, treated and disposed of through composting or biomethanation within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body.
5. The promoter company shall submit the complete drawing and design of the STP and its component at the time of obtaining consent to operate.
6. The promoter company shall also ensure that the hazardous waste and e-waste components of the solid waste shall also be segregated and the same shall be channelized to the authorized facility for such type of waste.
7. The promoter company shall comply with the provisions of the Construction and Demolition Management Rules, 2016.
8. The promoter company shall take adequate steps to the effect that the construction material of any kind that is stored at site shall be fully covered in all respects so that it does not disburse in the air in any form.
9. The promoter company shall ensure that all the construction material and debris shall be carried out in trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get disburse into the air or atmosphere in any form.
10. The promoter company shall take all necessary steps to control the dust emissions to be generated from the construction activities of the project.
11. The promoter company shall ensure that the vehicles carrying construction material and construction debris of any kind shall be cleaned before it is permitted to ply on the road after unloading of such material.
12. The promoter company shall provide mask to every worker working on the construction site and involved in loading / unloading and carries of construction material and construction debris.
13. The promoter company shall provide all medical help, investigation and treatment of workers involved in construction of building and carrying out construction material and debris related to dust emissions.
14. The promoter company shall carry out the construction work of STP at the site, in commensurate with the construction work of the project and shall not allow any occupancy in the project, till the time STP is installed and commissioned at the site.
15. The promoter company shall install mechanical compostor of adequate capacity for bulk waste generator for the treatment of solid waste.
16. The project proponent shall be bound to obtain consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, before giving any occupancy at the site.
17. This letter shall be appended with the CTE issued to the project proponent vide no. CTE/Fresh/SAS/2020/12514885 dated 13.07.2020 and its subsequent extension(s), if any.
18. The project proponent shall carry out construction/ installation of pollution control measures, in commensuration with construction of main project, at the site.

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02/08/2021

**(Guneet Sethi)  
Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-1, Patiala
2. Environmental Engineer, Regional Office, SAS Nagar.



02/08/2021

**(Guneet Sethi)  
Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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## PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R20SAS96173

Application No : 12514885

To,  
**Parshotam Singh Grewal**  
M/s Orbit Apartment Construction Pvt. Ltd., Chandigarh Ambala Highway, Vip Road, Zirakpur, District  
Sas Nagar (punjab)  
Zirakpur, Mohali-140603

Subject: Grant of "Consent to Establish"(NOC) for an industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining fresh 'Consent to Establish'(NOC) an industrial plant u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, permitted to establish the industrial unit to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

### 1. Particulars of Consent to Establish (NOC) granted to the Industry

Certificate No.	CTE/Fresh/SAS/2020/12514885
Date of issue :	13/07/2020
Date of expiry :	12/07/2021
Certificate Type :	Fresh

### 2. Particulars of the Industry

Name & Designation of the Applicant	Parshotam Singh Grewal , (Director)
Address of Industrial premises	Orbit Signature Walk By M/s Orbit Apartment Construction Pvt. Ltd. , Vip Road, Zirakpur, sas Nagar (punjab) , Derabassi, Sas Nagar-140603
Capital Investment of the Industry	5559.0 lakhs
Category of Industry	Red
Type of Industry	1063-Building and construction projects more than 20,000 sq. m built up area and having waste water generation 100 KLD and above
Scale of the Industry	Large
Office District	Sas Nagar
Consent Fee Details	Rs. 84500.0 vide UTR no. IBKL200306577363 dated 06.03.2020

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Orbit Signature Walk By M/s Orbit Apartment Construction Pvt. Ltd. , Vip Road, Zirakpur, sas Nagar (punjab) , Derabassi, Sas Nagar, 140603

Page1

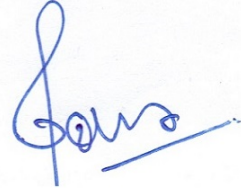
<b>Raw Materials (Name with quantity per day)</b>	<i>Commercial project namely "Orbit Signature Walk" developed by M/s Orbit Apartment Construction Pvt. Ltd, at VIP Road, Zirakpur, SAS Nagar (Punjab) in a total area of 15,381.27 sq.m and built up area of 47,380.76 sq.m.</i>
<b>Products (Name with quantity per day)</b>	<i>Commercial project namely "Orbit Signature Walk" developed by M/s Orbit Apartment Construction Pvt. Ltd, at VIP Road, Zirakpur, SAS Nagar (Punjab) in a total area of 15,381.27 sq.m and built up area of 47,380.76 sq.m.</i>
<b>By-Products, if any,(Name with quantity per day)</b>	--
<b>Details of the machinery and processes</b>	<i>As mentioned in application no. 12514885</i>
<b>Details of the Effluent Treatment Plant</b>	<i>Trade Effluent--NIL  Domestic Effluent @ 255.0 KLD--wastewater treated in WWTP @ 76 KLD shall be utilized for flushing purpose. The promoter company has further proposed that out of 182 KLD of treated wastewater in STP, 40 KLD shall be used for flushing after ultrafiltration and (4 KLD in summer, 1.5 KLD in winter and 0.5 KLD in monsoon season) shall be utilized for horticulture in an area of 714.59 sqm and the remaining shall be discharged into MC sewer. The project proponent has obtained permission from MC Zirakpur for discharge of treated trade effluent @ 256 KLD vide MC letter no. 3036 dated 25.11.2019</i>
<b>Mode of Disposal of Effluent</b>	<i>Trade Effluent--NIL  Domestic Effluent @ 255.0 KLD--wastewater treated in WWTP @ 76 KLD shall be utilized for flushing purpose. The promoter company has further proposed that out of 182 KLD of treated wastewater in STP, 40 KLD shall be used for flushing after ultrafiltration and (4 KLD in summer, 1.5 KLD in winter and 0.5 KLD in monsoon season) shall be utilized for horticulture in an area of 714.59 sqm and the remaining shall be discharged into MC sewer. The project proponent has obtained permission from MC Zirakpur for discharge of treated trade effluent @ 256 KLD vide MC letter no. 3036 dated 25.11.2019</i>
<b>Standards to be achieved under Water (Prevention &amp; Control of Pollution) Act, 1974</b>	<i>As per effluent standards prescribed by the PPCB/ MoEF&amp;CC from time to time.</i>
<b>Sources of emissions and type of pollutants</b>	<i>1. Six no DG Sets of 750 KVA each-- HSD as fuel @ 70 Lit/ day--Canopy and adequate stack above roof.</i>
<b>Mode of disposal of emissions with stack height</b>	<i>1. Six no DG Sets of 750 KVA each-- HSD as fuel @ 70 Lit/ day--Canopy and adequate stack above roof.</i>
<b>Quantity of fuel required in TPD</b>	<i>1. Six no DG Sets of 750 KVA each-- HSD as fuel @ 70 Lit/ day--Canopy and adequate stack above roof.</i>

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<b>Type of Air Pollution Control Devices to be installed</b>	<i>1. Six no DG Sets of 750 KVA each-- HSD as fuel @ 70 Lit/ day--Canopy and adequate stack above roof.</i>
<b>Standars to be achieved under Air (Prevention &amp; Control of Pollution) Act, 1981</b>	<i>As per emission standards prescribed by the PPCB/ MoEF&amp;CC from time to time.</i>



13/07/2020

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

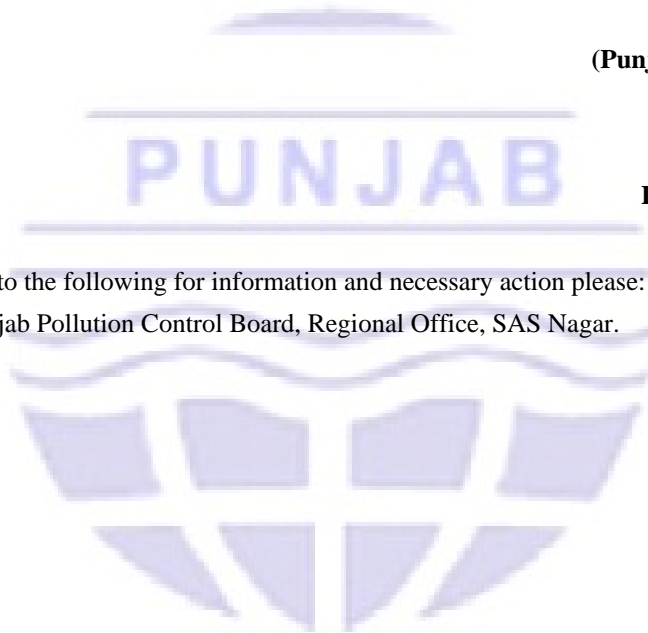
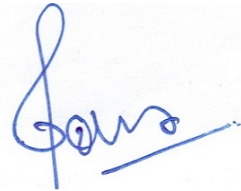
*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:  
The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.

13/07/2020

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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## A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act,1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate.
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

### Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter ( $D_e$ ) shall be calculated from the following equation to determine upstream, downstream distance:-  
$$D_e = 2 LW / (L+W)$$
  
Where L= length in mts. W= Width in mts.
  - ii) The sampling port shall be 7 to 10 cm in diameter
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

### (i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> in Kg/hr. $Q_p$ = Quantity of particulate matter in Ton/day.

**Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.**

**(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.**

**(iii) Stack height for diesel generating sets:**

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

**For higher KVA rating stack height H (in meter) shall be worked out according to the formula:**

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
11. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
  - (i) Once in Year for Small Scale Industries.
  - (ii) Four in a Year for Large/Medium Scale Industries.
  - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
12. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.
13. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
  - (i) Once in Year for Small Scale Industries.
  - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
14. The pollution control devices shall be interlocked with the manufacturing process of the industry.
15. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.
17. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
18. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
19. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
20. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
  - (i) Where unavoidable to prevent loss of life or some property damage or
  - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
21. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

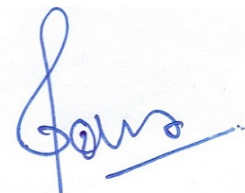
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*Orbit Signature Walk By M/s Orbit Apartment Construction Pvt. Ltd. ,Vip Road, Zirakpur,sas Nagar (punjab),,Derabassi,Sas Nagar,140603*

*Page5*



22. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
23. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
24. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
25. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
26. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
27. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified
28. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water.
29. The industry shall submit a detailed plan showing therein, the distribution system for conveying waste-waters for application on land for irrigation along with the crop pattern to be adopted throughout the year.
30. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
31. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.
32. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
33. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
34. The industry shall maintain the following record to the satisfaction of the Board :-
  - (i) Log books for running of air pollution control devices or pumps/motors used for it.
  - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
  - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
35. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.
36. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.
37. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry



13/07/2020

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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*Page6*



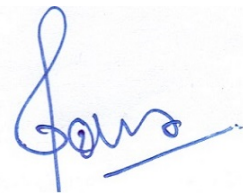
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## B. SPECIAL CONDITIONS

1. The project proponent shall start the construction activity at the project site only after obtaining Environmental Clearance and the construction activity shall be in consonance to the EC obtained and as per approved building plans.
2. The project proponent shall only utilize treated wastewater for construction activity.
3. The promoter company shall ensure the compliance of the Solid Waste Management Rules, 2016 and being the bulk waste generator shall ensure segregation of solid waste at source, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers as prescribed in Solid Waste Management Rules, 2016. The bio-degradable waste shall be processed, treated and disposed of through composting or biomethanation within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body.
4. The promoter company shall submit the complete drawing and design of the STP and its component at the time of obtaining consent to operate.
5. The promoter company shall also ensure that the hazardous waste and e-waste components of the solid waste shall also be segregated and the same shall be channelized to the authorized facility for such type of waste.
6. The promoter company shall comply with the provisions of the Construction and Demolition Management Rules, 2016.
7. The promoter company shall take adequate steps to the effect that the construction material of any kind that is stored at site shall be fully covered in all respects so that it does not disperse in the air in any form.
8. The promoter company shall ensure that all the construction material and debris shall be carried out in trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get disperse into the air or atmosphere in any form.
9. The promoter company shall take all necessary steps to control the dust emissions to be generated from the construction activities of the project.
10. The promoter company shall ensure that the vehicles carrying construction material and construction debris of any kind shall be cleaned before it is permitted to ply on the road after unloading of such material.
11. The promoter company shall provide mask to every worker working on the construction site and involved in loading / unloading and carries of construction material and construction debris.
12. The promoter company shall provide all medical help, investigation and treatment of workers involved in construction of building and carrying out construction material and debris related to dust emissions.



13/07/2020

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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*Page 8*

**INFRA TECH PLANNERS & CONSULTANTS**

SCF 89, Sector 65 ( Phase XI) S.A.S. Nagar, Mohali

Mobile : 9888370451

PAN No CXUPS 2131 K

o. ST-12/19

Date 27-11-19

**STRUCTURE STABILITY CERTIFICATE**

I hereby certify that the structural design of Commercial project Orbit Signature Walk by Orbit Apartment Construction Pvt Ltd will be designed according the latest building and earthquake B.I.S codes. The safe and stable structural drgs matching with the building plans , architecture drawings and foundation strata existing at site will be prepared accordingly and submitted before start of construction. The building will be safely designed to transmit all the occupancy load and seismic loads to the foundation strata.

Date :- 27-11-19



Er. JAGMOHAN SINGH NAGI  
M.E. (Structures)



**Subject: Issue of Provisional Fire Safety Certificate (NOC) to M/S Orbit Commercial Project Village - Bishanpura S.A.S Nagar, Punjab .**

M/s, Orbit Commercial Project Village - Bishanpura S.A.S Nagar, Punjab has submitted the proposed drawings for fire-fighting system for their project. The undersigned has appraised the drawings and has found the drawings to be in consonance with the National Building Code of India, PART-IV. In view of the same, Provisional NOC may be issued for a period of one year from the date of issue of this letter. The Firm shall scrupulously follow the relevant provisions of the National Building Code Part 3 & 4 and any violation shall result in the withdrawal of this approval with immediate effect. However, final Fire NOC must be obtained from the Department after completion of the building and before Occupation.

**(Bhupinder Singh Sandhu)**  
**Fire Officer cum Asstt. Divisional Fire Officer**  
**Department of Local Government**  
**Punjab Bureau of Investment Promotion**

Date: 28-8-2019

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**Punjab Bureau of Investment Promotion**  
UdyogBhavan, Sector 17, Chandigarh  
Website: [www.investpunjab.gov.in](http://www.investpunjab.gov.in); Email: [info@investpunjab.gov.in](mailto:info@investpunjab.gov.in)

## By Regd Post

Tele: 011-25687194/ 7315

HQ Western Air Command, IAF  
Subroto Park  
New Delhi-10

WAC/S 6369/1/12W/ATS (50/20)

October 2020

**M/s Orbit Apartment  
Construction Pvt Ltd,  
Plot No-1, VIP Road,  
Zirakpur, Distt-SAS Nagar (Mohali),  
Punjab-140603**

### NOC FOR CONSTRUCTION OF BUILDING

1. Please refer your application dated 07 Aug 2020 on the subject.
2. The application has been examined under Gazette of India GSR 751 (E), Works of Defence Act 1903 and other relevant orders on the subject. This HQ has no objection for construction of **33.53 m** high building for commercial project 'Orbit Signature Walk' at Khasra Nos. 167(4-13), 169(4-0), 170(4-0), 643/183(1-17) & 168(3-19), Vill- Bishanpura, VIP Road, MC Zirakpur, Distt- SAS Nagar (Mohali), Punjab **subject to following conditions:-**
  - (a) The NOC with respect to Air Force Station Chandigarh is for construction of the subject building and cannot be used as document for any other purpose/ claim whatsoever including ownership of land.
  - (b) The applicant is responsible to obtain NOC/ all statutory clearance from **AAI/ State Govt/ any other concerned authorities**. Clearance shall also be obtained separately from any other defence establishment in the vicinity of proposed construction.
  - (c) The site elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation of the proposed structure. However, at any stage, if it is established that the actual site elevation and site coordinates are different from those provided by the applicant, the NOC will be invalid.
  - (d) The issue of the NOC is further subject to the provisions of Section 5(2) of GSR 751 (E) read in conjunction with sub section (1) and clause (O) & clause (R) of sub section 2 of section 5 read with section 9 (A) of Aircraft Act 1934.
  - (e) Vertical extent (highest point) of the building proposed at coordinates mentioned overleaf **shall not exceed 336.53 m AMSL or 33.53 m AGL**. No extension or structure permanent or temporary (e.g. Cranes, Antennas, Mumtee, lightning Arresters, Lift machine room, Overhead water tank, Cooling towers, Sign boards, any attachment or fixtures of any kind) shall be permitted above the cleared height.

Corners	Latitude	Longitude	Site Elevation
A	30 <sup>0</sup> 38' 21" N	76 <sup>0</sup> 49' 15" E	303 m AMSL
B	30 <sup>0</sup> 38' 23" N	76 <sup>0</sup> 49' 18" E	303 m AMSL
C	30 <sup>0</sup> 38' 22" N	76 <sup>0</sup> 49' 19" E	302 m AMSL
D	30 <sup>0</sup> 38' 20" N	76 <sup>0</sup> 49' 18" E	302 m AMSL
E	30 <sup>0</sup> 38' 14" N	76 <sup>0</sup> 49' 14" E	302 m AMSL
F	30 <sup>0</sup> 38' 15" N	76 <sup>0</sup> 49' 12" E	301 m AMSL

(f) Standard obstruction lightings as per IS 5613 notification and International Civil Aviation Organization (ICAO) standards as stipulated in ICAO Annex-14 is to be provided by the company. The lights shall be kept 'ON' at all times. Provision shall be made for standby power supply to keep the lights 'ON' during power failure. Company shall carry out periodic maintenance of the lights to keep them in serviceable and visible condition.

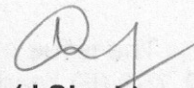
(g) A proper garbage disposal system in accordance with the provisions of Solid Waste Management Rule, 2016 / Gazette Notification SO 1357 (E) (Para 4) or Environment (Protection) Act, 1986 including amendments shall be adhered to by the applicant for the purpose of avoiding bird activity.

(h) No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the airport shall be installed at the site at any time during or after the construction of the building.

(j) The commencement and completion of construction including installation of obstruction lights shall be intimated to Air Officer Commanding, AF Station Chandigarh. Failure to render these certificates within the stipulated time shall lead to cancellation of NOC.

(k) The NOC is valid for **Five years** from the date of its issue. If the building is not constructed and completed within this period, the applicant shall be required to obtain a fresh/ extension of NOC from Indian Air Force. Request for revalidation of NOC will not be entertained after the expiry of validity period.

Yours sincerely,



(J Singh)  
Group Captain  
Command ATC Officer

Copy to:

Air HQ (VB) (Wg Cdr Ops ATS-IV)

AF Stn Chandigarh (SATCO)

Internal:

C Nav O

OFFICE OF THE  
**MUNICIPAL COUNCIL, ZIRAKPUR**  
 (Distt. S.A.S. Nagar)

ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ (ਜਿਲ੍ਹਾ ਐਸ ਏ ਐਸ ਨਗਰ)

ਨੰਬਰ 3065

ਮਿਤੀ: 25-11-19

ਵੱਲ,

M/s Orbit Apartment Construction Pvt. Ltd.,  
 Project Name :- Orbit Signature Walk,  
 VIP Road, Zirakpur

ਵਿਸ਼ਾ :- ਸੋਲਡ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਬਾਰੇ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਆਪ ਦਾ ਪੱਤਰ ਪ੍ਰਾਪਤ ਹੋਇਆ ਹੈ। ਆਪ ਵੱਲੋਂ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਸਬੰਧੀ ਬੇਨਤੀ ਕੀਤੀ ਗਈ ਹੈ। ਇਸ ਸਬੰਧੀ ਆਪ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਅਤੇ ਸੁੱਟਣ ਦਾ ਪ੍ਰਬੰਧ ਕਰੇਗੀ ਅਤੇ ਇਸ ਸਬੰਧੀ ਆਉਣ ਵਾਲਾ ਖਰਚਾ ਆਪ ਵੱਲੋਂ ਅਦਾ ਕੀਤਾ ਜਾਵੇਗਾ।

ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
 ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।



OFFICE OF THE  
MUNICIPAL COUNCIL, ZIRAKPUR

(Distt. S.A.S. Nagar)

ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ (ਜਿਲ੍ਹਾ ਐਸ ਏ ਐਸ ਨਗਰ)

ਨੰਬਰ 3063

ਮਿਤੀ: 25-11-19

ਸਰਟੀਫਿਕੇਟ

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ M/s Orbit Apartment Construction Pvt. Ltd., Project Name :- Orbit Signature Walk, VIP Road, Zirakpur ਦੇ ਰਿਹਾਇਸ਼ੀ ਪ੍ਰੋਜੈਕਟ ਏਰੀਏ ਦੇ ਨਾਲ ਲਗਦੇ ਏਰੀਏ ਵਿੱਚ ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ ਵੱਲੋਂ ਸੀਵਰੇਜ ਦੀ ਸੁਵਿਧਾ ਉਪਲੱਬਧ ਹੈ ਸਰਕਾਰ ਵੱਲੋਂ ਨਿਰਧਾਰਤ ਸਾਰੇ ਚਾਰਜਿਜ ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ ਵਿਖੇ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਉਪਰੰਤ ਅਤੇ ਰੂਲਾਂ ਅਨੁਸਾਰ ਨਕਸ਼ਾ ਮੰਨਜ਼ੂਰੀ ਉਪਰੰਤ ਕੰਪਲੀਸ਼ਨ ਤੋਂ ਬਾਅਦ ਫਰਮ ਆਪਣੇ ਪ੍ਰੋਜੈਕਟ ਅੰਦਰ ਲੱਗੇ ਐਸ.ਟੀ.ਪੀ. (ਜੋ ਕਿ ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ ਵੱਲੋਂ ਨਿਰਧਾਰਤ ਮਾਪਦੰਡਾਂ ਅਨੁਸਾਰ ਹੋਵੇ) ਤੋਂ 256 ਕੇ.ਐਲ.ਡੀ. ਟਰੀਟਡ ਸੀਵਰੇਜ ਵਾਟਰ (ਕੰਸਲਟੈਂਟ ਦੀ ਰਿਪੋਰਟ ਅਨੁਸਾਰ) ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ ਵਿਖੇ ਬਨਦੇ ਚਾਰਜਿਜ ਭਰਵਾਉਣ ਉਪਰੰਤ ਹੀ ਉਸ ਸਮੇਂ ਦੀ ਕਪੈਸਟੀ ਮੁਤਾਬਿਕ ਨਗਰ ਕੌਂਸਲ ਦੇ ਮੇਨ ਸੀਵਰ ਨਾਲ ਜੋੜਿਆ ਜਾ ਸਕਦਾ ਹੈ।

ਕਾਰਜ ਸਪੱਸ਼ਟ ਅਫਸਰ,  
ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ।

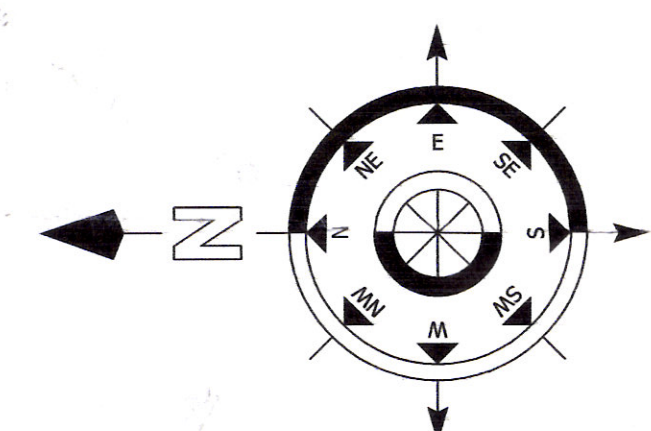
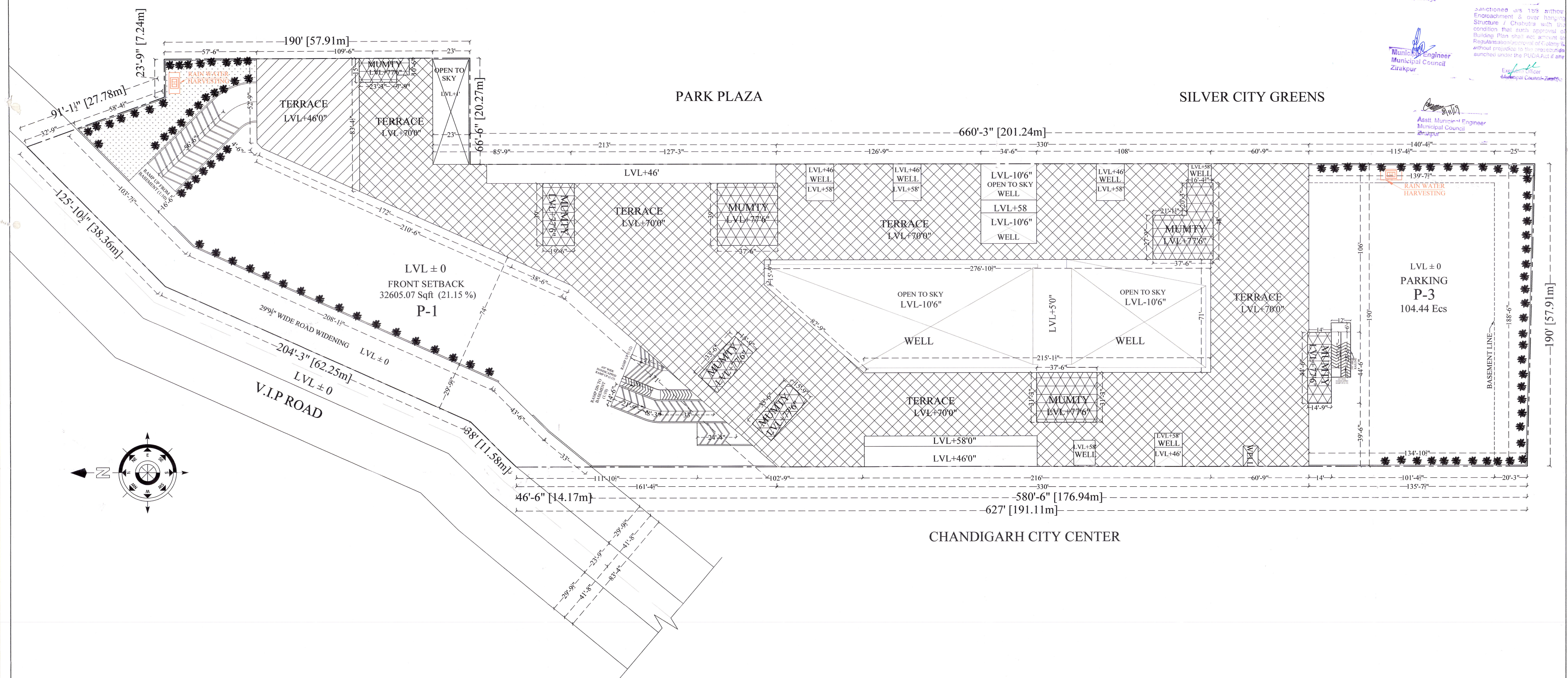
*(Signature)*  
Asst. Municipal Engineer  
Municipal Council  
Zirakpur

*(Signature)*  
Municipal Engineer  
Municipal Council  
Zirakpur

*(Signature)*  
Asst. Municipal Engineer  
Municipal Council  
Zirakpur

Sanctioned as per the  
Enforcement & over hanging  
Structure / Chabutra with  
condition that such approval of  
Building Plan shall not amount to  
Regulation or approval of occupancy  
without prejudice to the procedure  
sanctioned under the PUDA Act if any

*(Signature)*  
Executive Officer  
Municipal Council  
Zirakpur



**NAME OF PROJECT :- ORBIT SIGNATURE WALK**

PROPOSED PLAN OF COMMERCIAL PROJECT OF M/S ORBIT APARTMENT CONSTRUCTION PVT. LTD. AT AT VIP ROAD, VILLAGE - BISHANPURA, H.B. No.- 44, TEHSIL - ZIRAKPUR, DISTT. - S.A.S NAGAR, PUNJAB

**TOTAL LAND AREA :-**

**18 B- 5 Bi, 18396 Sqyds, 15381.27 Sqm, 3.801 Acre**

AREA AFTER ROAD WIDENING:-  
=16 B- 19.84Bi, 17127.86 Sqyds, 3.539 Acre, 154150.74 Sqft,  
as per CLU done wide Memo no.  
CLU/DDLG/PTL/2019/20134 Dt.-30/07/2019

FLOOR	AREA
COVD. AREA ON LOWER GROUND FLOOR	= 48826.65 Sqft, 4536.11 Sqm
COVD. AREA ON UPPER GROUND FLOOR	= 63977.68 Sqft, 5943.67 Sqm
COVD. AREA ON FIRST FLOOR	= 59307.46 Sqft, 5509.80 Sqm
COVD. AREA ON SECOND FLOOR	= 59307.46 Sqft, 5509.80 Sqm
COVD. AREA ON THIRD FLOOR	= 64557.52 Sqft, 5997.54 Sqm
COVD. AREA ON FOURTH FLOOR	= 58122.10 Sqft, 5399.67 Sqm
<b>TOTAL COVD. AREA (For F.A.R.)</b>	<b>= 354098.87 Sqft, 32896.59 Sqm</b>
COVD. AREA ON MUMTY'S	= 6845.73 Sqft, 635.98 Sqm
COVD. AREA ON BASEMENT FLOOR	= 122800.16 Sqft, 11408.41 Sqm
<b>TOTAL BUILT UP AREA OF BUILDING</b>	<b>= 483744.76 Sqft, 44940.98 Sqm</b>

**GROUND COVERAGE AREA = 76990.78 Sqft (49.95 %)**

REFER SHEET FOR CALCULATION :- WCA/CB/OAC/07 & WCA/CB/OAC/08

**PARKING REQUIRED :-**  
TOTAL COVD. AREA = 354098.87 Sqft, 32896.59 Sqm  
= 39344.32 Sqyds @ 1 Ecs / 60 Sqyds = 655.74 (Say = 656 Ecs)

**PARKING PROVIDED :-**  
PARKING PROVIDED IN BASEMENT CALCULATION :- WCA/CB/OAC/06 = 178.27 Ecs  
STACK PARKING = 128 x 2 = 256.00 Ecs  
Total Parking Provided In Basement Floor = 434.27 Ecs

PARKING AT SURFACE LEVEL :- @ 26.5 Sqyds/Ecs  
P1 :- FRONT SETBACK = 32605.07 Sqft, 3622.79 Sqyds = 136.71 Ecs  
P2 :- (123'6"+46')/2 x 69'4 1/2"+65'6"x9'  
= 5879.53+589.5 = 6469.03 Sqft = 718.78 Sqyds = 27.12 Ecs  
P3 :- ((139'7 1/2"+134'10 1/2")/2 x 188'6") - {44'6"x14'+ 12'x28'3"}  
= 25871.63 - {623 + 339} = 24909.63 Sqft, 2767.74 Sqyds = 104.44 Ecs

**TOTAL PARKING PROVIDED = 702.54 Ecs**

S. NO.	ITEM	PERMISSIBLE/ AS PER RULES	ACHIEVED AS PER PLAN
1.	Ground Coverage	77075.37sqft (50%)	76990.78 sqft (49.95 %)
2.	F.A.R	1:3	1:2.30
3.	Total Covd. Area	462452.22 sqft	354098.87 Sqft
4.	PARKING	656 ECS	702.54 ECS
5.	Front Set Back	30830.15 sqft (20%)	32605.07sqft (21.15 %)

COVD AREA ON LGF & UGF = 10479.78 SQM / 3 (3 Sqm/Person) = 3493.26 P  
COVD AREA ON FF & SF & TF & FF = 22416.81 SQM / 6 (6 Sqm/Person) = 3736.14 P  
TOTAL NO. OF PERSONS :- = 7229.40 P (SAY - 7230)  
{ MALE :- 4338 (60%), FEMALE :- 2892 (40%) }

S. NO.	DESCRIPTION	MALE REQUIRED	FEMALE REQUIRED	TOTAL REQUIRED	PROVIDED
1.	WC	87 nos	58 nos	145 nos	213 nos
2.	URINAL	87 nos	-	87 nos	126 nos
3.	WASH BASIN	87 nos	58 nos	145 nos	198 nos

**LENGTH OF BOUNDARY WALL :-**  
= 58'4 1/2" + 23'9" + 190'+66'6"+660'3" + 190'  
580'6"+33'+43'6"+208'1 1/2"+103'7 1/2"  
= 2157'7 1/2" Rft, 657.61 Rmt.

**DRAWING NO :WCA/CB/OAC/02**

**SHEET TITLE : SITE PLAN**

*(Signature)*  
APPLICANT

*(Signature)*  
ARCHITECT

**SCALE : 1:250**      **DATE: 27/08/2019**

**WALIA CREATIVE ARCHITECT**  
Urban designer, Int. designer, Valuer, Project Consultant  
NEAR MADHU NURSING HOME PASSY ROAD PATIALA  
# 780 SECTOR 91 MOHALI, CHANDIGARH  
MOBILE:- 9815136084, 0175-5120512  
E MAIL: wca\_pta@yahoo.com

ਨੰਬਰ ..... 2927 .....

ਮਿਤੀ ..... 8/11/19 .....

(EXTENSTION)

M/s M/s Orbit Aparment Construction Pvt. Ltd,  
Project Name:- Orbit Signature Walk  
Vill VIP Road, Village-Bishanpura, Zirakpur.  
ਵਿਸ਼ਾ :- ਇਮਾਰਤ ਦੀ ਉਸਾਰੀ ਦੀ ਪ੍ਰਵਾਨਗੀ ਸਬੰਧੀ।

ਆਪ ਦਾ ਨਕਸ਼ਾ ਨੰਬਰ E-7463 ਮਿਤੀ 07-11-2019 ਜੋ ਵਾਕਿਆ Bishanpura ਦਾ ਉਸਾਰੀ ਦਾ ਸੀ ਦੇ ਸਬੰਧ ਵਿਚ ਆਪ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪ ਦੀ ਬਿਲਡਿੰਗ ਉਸਾਰੀ ਦੀ ਪ੍ਰਵਾਨਗੀ ਮਿਊਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਵੱਲੋਂ ਨਿਮਨ ਲਿਖਿਤ ਅਧਾਰ ਤੇ ਪ੍ਰਵਾਨ ਕਰ ਲਿਆ ਹੈ :-

1. ਮਾਸਟਰ ਪਲੈਨ ਦੇ ਉਪਬੰਧਾਂ ਨੂੰ ਬਣਾਉਣਾ ਯਕੀਨੀ ਹੋਵੇਗਾ। ਇਸ ਤੋਂ ਇਲਾਵਾ ਆਪ ਆਪਣੇ ਨਕਸ਼ੇ ਸਬੰਧੀ ਸਰਕਾਰ/ਨਗਰ ਕੌਂਸਲ ਵੱਲੋਂ ਜਾਰੀ ਸਮੇ-ਸਮੇ ਤੇ ਜਾਰੀ ਸਾਰੀਆਂ ਸ਼ਰਤਾਂ ਪੂਰੀਆਂ ਕਰਨਾ ਯਕੀਨੀ ਹੋਵੇਗਾ।
2. ਆਪਣੀ ਮਲਕੀਅਤ ਜਗ੍ਹਾਂ ਦੇ ਪ੍ਰਵਾਨ ਨਕਸ਼ੇ ਅਨੁਸਾਰ ਉਸਾਰੀ ਕਰੋਗੇ ਅਤੇ ਮਿਊਂਸਪਲ ਕੌਂਸਲ ਦੇ ਬਿਲਡਿੰਗ ਬਾਈਲਾਜ ਦੀ ਉਲੰਘਣਾ ਨਹੀਂ ਕਰੋਗੇ।
3. ਆਪਣੇ ਨਕਸ਼ੇ ਵਿੱਚ ਦੱਸੀ ਜਗ੍ਹਾਂ ਦੀ ਮਲਕੀਅਤ ਦਾ ਕੋਈ ਝਗੜਾ ਪੈਦਾ ਹੋਇਆ ਅਤੇ ਉਸ ਥਾਂ ਪਰ ਮਿਊਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਜਾਂ ਸਰਕਾਰ ਦਾ ਕਬਜ਼ਾ ਸਾਬਤ ਹੋਇਆ ਤਾਂ ਉਸ ਦੀ ਸਾਰੀ ਜ਼ਿੰਮੇਵਾਰੀ ਆਪ ਦੀ ਹੋਵੇਗੀ ਅਤੇ ਜਗ੍ਹਾਂ ਬਿਨਾਂ ਮੁਆਵਜ਼ਾ ਦਿੱਤੇ ਖਾਲੀ ਕਰਨੀ ਪਵੇਗੀ। ਇਹ ਮੰਨਜ਼ੂਰੀ ਕੇਵਲ ਪੰਜਾਬ ਮਿਊਂਸਪਲ ਐਕਟ 1911 ਦੀ ਧਾਰਾ 189 ਅਧੀਨ ਹੈ ਅਤੇ ਜ਼ਮੀਨ ਦੀ ਮਲਕੀਅਤ ਸਬੰਧੀ ਮੁੱਖ ਅਧਿਕਾਰਾਂ ਤੇ ਇਸ ਦਾ ਕੋਈ ਅਸਰ ਨਹੀਂ ਹੋਵੇਗਾ।
4. ਕੰਮ ਸ਼ੁਰੂ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਨਿਸ਼ਾਨਦੇਹੀ ਮਾਲ ਵਿਭਾਗ ਤੋਂ ਮਿਊਂਸਪਲ ਕੌਂਸਲ ਜ਼ੀਰਕਪੁਰ ਦੇ ਸਬੰਧਤ ਬ੍ਰਾਂਚ ਦੇ ਸਟਾਫ ਦੀ ਹਾਜ਼ਰੀ ਵਿਚ ਲਈ ਜਾਣੀ ਯਕੀਨੀ ਬਣਾਏ ਜਾਵੇ ਅਤੇ ਉਸਾਰੀ ਦੇ ਸਮੇਂ ਪ੍ਰਵਾਨ ਕੀਤੇ ਗਏ ਨਕਸ਼ੇ ਦੀ ਕਾਪੀ ਮੌਕੇ ਤੇ ਮੌਜੂਦ ਰੱਖੀ ਜਾਵੇ ਅਤੇ ਮਿਊਂਸਪਲ ਕੌਂਸਲ ਦੇ ਕਿਸੇ ਵੀ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਮੌਕੇ ਤੇ ਇਹ ਚੈਕ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ।
5. ਬਿਲਡਿੰਗ ਅਤੇ ਸਾਇਟ ਪਲਾਨ ਦੀ ਇੱਕ ਕਾਪੀ ਪ੍ਰਵਾਨਤ ਕਾਪੀ ਨਾਲ ਭੇਜੀ ਜਾਂਦੀ ਹੈ ਮੰਨਜ਼ੂਰੀ ਦੀ ਮਿਆਦ ਦੋ ਸਾਲ ਹੈ। ਜੇਕਰ ਮੰਨਜ਼ੂਰੀ ਤੋਂ ਦੋ ਸਾਲ ਦੇ ਅੰਦਰ ਉਸਾਰੀ ਨਹੀਂ ਕੀਤੀ ਜਾਂਦੀ ਤਾਂ ਮੰਨਜ਼ੂਰੀ ਬਿਨਾਂ ਨੋਟਿਸ ਤੇ ਰੱਦ ਹੋ ਜਾਵੇਗੀ।
6. ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਸ਼ੁਰੂ ਕਰਨ ਦੀ ਲਿਖਤੀ ਸੂਚਨਾ ਫਾਰਮ-ਸ ਉਪਰ ਦੇਣੀ ਅਤਿ ਜ਼ਰੂਰੀ ਹੈ।
7. ਬਿਨੈਕਾਰ ਵੱਲੋਂ ਉਸਾਰੀ ਕਰਦੇ ਸਮੇਂ ਇਮਾਰਤ ਉਤੇ ਇਕ ਬੋਰਡ ਲਗਾਇਆ ਜਾਵੇਗਾ ਜਿਸ ਤੇ ਇਮਾਰਤ ਦਾ ਪਲਾਟ ਨੰਬਰ ਮਾਲਕ ਦਾ ਨਾਮ ਅਤੇ ਉਸਾਰੀ ਸੁਪਰਵੀਜ਼ਨ ਕਰਨ ਵਾਲੇ ਅਰਚੀਟੈਕਟ/ਇੰਜੀਨੀਅਰ/ਡਰਾਫਟਸਮੈਨ/ਸਰਵੇਅਰ ਦਾ ਨਾਮ ਲਿਖਿਆ ਜਾਵੇ।
8. ਬਿਨੈਕਾਰ ਵੱਲੋਂ ਉਸਾਰੀ ਸਮੇਂ ਨੀਹਾਂ ਪੁੱਟਦੇ, ਨੀਹਾਂ ਭਰਨ, ਪਲਿੰਥ ਬਨਾਉਣ, ਪਹਿਲੀ ਮੰਜਿਲ ਅਤੇ ਹੋਰ ਮੰਜਿਲ ਉਸਾਰਨ ਅਤੇ ਇਮਾਰਤ ਦੀ ਉਸਾਰੀ ਮੁਕੰਮਲ ਹੋਣ ਅਤੇ ਰਿਹਾਇਸ਼ ਕਰਨ ਸਬੰਧੀ ਸਮੇ-ਸਮੇ ਸਿਰ ਸਰਟੀਫਿਕੇਟ/ਮਾਲਿਕ ਜਾਂ ਅਧਿਕਾਰਤ ਅਧਿਕਾਰੀ ਤੋਂ ਦਿਵਾਇਆ ਜਾਵੇਗਾ ਜਿਸ ਵੱਲੋਂ ਉਸ ਦੀ ਇਮਾਰਤ ਦੀ ਉਸਾਰੀ ਸੁਪਰਵੀਜ਼ਨ ਕੀਤੀ ਜਾ ਰਹੀ ਹੈ ਅਤੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਮਿਊਂਸਪਲ ਕੌਂਸਲ ਜ਼ੀਰਕਪੁਰ ਵੱਲੋਂ ਤਸਦੀਕ ਕਰਨ ਤੇ ਗਲਤ ਪਾਏ ਜਾਣ ਦੀ ਸੂਰਤ ਵਿਚ ਬਿਨੈਕਾਰ ਨੂੰ ਦਿੱਤੀ ਗਈ ਪ੍ਰਵਾਨਗੀ ਰੱਦ ਸਮਝੀ ਜਾਵੇਗੀ।
9. ਬਿਲਡਿੰਗ ਸ਼ੁਰੂ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਨੀਹਾਂ ਦਾ ਲੋਡ ਬਿਲਡਿੰਗ ਕਪੈਸਟੀ ਚੈਕ ਕਰਵਾ ਲਿਆ ਜਾਵੇ ਅਤੇ ਸਟੱਰਕਚਰ ਦੀ ਸੇਫਟੀ ਬਿਨੈਕਾਰ ਦੀ ਆਪਣੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ। ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਸਮੇਂ ਸਟੱਰਕਚਰ ਇੰਜੀਨੀਅਰ ਦੀ ਨਿਗਰਾਨੀ ਹੇਠ ਕੰਮ ਕਰਵਾਉਣਾ ਬਿਨੈਕਾਰ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ। ਬਿਨੈਕਾਰ ਮਿਊਂਸਪਲ ਕੌਂਸਲ, ਤੋਂ ਬਿਨਾਂ ਆਕੂਪੇਸ਼ਨ/ਕੰਮਪਲੀਸ਼ਨ ਸਰਟੀਫਿਕੇਟ ਲਿਆ ਬਿਲਡਿੰਗ ਦੀ ਵਰਤੋਂ ਨਹੀਂ ਕਰ ਸਕੇਗਾ।
10. ਬਿਨੈਕਾਰ ਨੂੰ ਜੇਕਰ ਮਿਊਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਤੋਂ ਇਲਾਵਾ ਉਸਾਰੀ ਲਈ ਕਿਸੇ ਹੋਰ ਵਿਭਾਗ ਜਾਂ ਅਦਾਰੇ ਤੋਂ ਮੰਨਜ਼ੂਰੀ ਲੈਣ ਦੀ ਲੋੜ ਹੋਵੇ ਤਾਂ ਉਸ ਨੂੰ ਲੈਣ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਬਿਨੈਕਾਰ ਦੀ ਆਪਣੀ ਹੋਵੇਗੀ।
11. ਉਕਤ ਮੰਨਜ਼ੂਰੀ ਆਪ ਨੂੰ ਪ੍ਰੋਵੀਜ਼ਨਲ ਤੌਰ ਤੇ ਦਿੱਤੀ ਜਾ ਰਹੀ ਹੈ। ਸ਼ਰਤਾਂ ਦੀ ਪਾਲਣਾ ਅਤੇ ਲੋੜੀਂਦੇ ਦਸਤਾਵੇਜ਼ 30 ਦਿਨਾਂ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਮੁਹੱਈਆ ਕਰਵਾਏ ਜਾਣ, ਪਾਲਣਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿਚ ਜਾਂ ਕੋਈ ਵੀ ਉਣਤਾਈ ਧਿਆਨ ਵਿਚ ਆਉਣ ਤੇ ਆਪ ਨੂੰ ਦਿੱਤੀ ਮੰਨਜ਼ੂਰੀ ਬਿਨਾਂ ਕਿਸੇ ਨੋਟਿਸ ਦਿੱਤਿਆ ਰੱਦ ਕਰ ਦਿੱਤੀ ਜਾਵੇਗੀ।
12. ਜੇਕਰ ਸਰਕਾਰ/ਨਗਰ ਕੌਂਸਲ ਵੱਲ ਕਿਸੇ ਵੀ ਸਮੇਂ ਕਿਸੇ ਵੀ ਕਿਸਮ ਦਾ ਬਕਾਇਆ ਜਿਵੇਂ ਕਿ ਈ.ਡੀ.ਸੀ., ਈ.ਡਬਲਯੂ.ਐਸ., ਸੀ.ਐਲ.ਯੂ. ਜਾਂ ਕੋਈ ਹੋਰ ਨਿਕਲਦਾ ਹੈ। ਤਾਂ ਉਸਨੂੰ ਵਿਆਜ ਸਮੇਤ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੇ ਅਤੇ ਜੇਕਰ ਕੋਈ ਸਲਾਨਾ ਫੀਸ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣੀ ਬਣਦੀ ਹੈ ਉਹ ਸਮੇਂ ਸਿਰ ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਜਾਵੇਗੀ।

ਜਰੂਰੀ ਨੋਟ :-

ਆਪ ਵੱਲੋਂ ਪ੍ਰਵਾਨ ਕੀਤੇ ਨਕਸੇ ਦੀ ਉਲੰਘਣਾ ਕਰਨ/ਬਿਲਡਿੰਗ ਬਾਈਲਾਜ ਦੀ ਉਲੰਘਣਾ ਕਰਨ ਜਾਂ ਮਿਉਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਨੂੰ ਗਲਤ ਜਾਣਕਾਰੀ ਦੇ ਕੇ ਨਕਸਾ ਪਾਸ ਕਰਵਾ ਲੈਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਬਿਨਾਂ ਕੋਈ ਨੋਟਿਸ ਦਿੱਤੇ ਆਪ ਦੀ ਇਹ ਮੰਨਜ਼ੂਰੀ ਰੱਦ ਕਰਨ ਦਾ ਅਧਿਕਾਰ ਨਗਰ ਕੌਂਸਲ ਨੂੰ ਹੈ ਅਤੇ ਬਿਨੈਕਾਰ ਨਗਰ ਕੌਂਸਲ ਤੋਂ ਕੋਈ ਮੁਆਵਜਾ ਨਹੀਂ ਵਸੂਲ ਸਕਦਾ।

ਮਿਉਂਸਪਲ ਕੌਂਸਲ ਜ਼ੀਰਕਪੁਰ ਦੀ ਜਗ੍ਹਾਂ/ਸਫ਼ਕ ਉੱਤੇ ਕਿਸੇ ਪ੍ਰਕਾਰ ਦੀ ਇੰਨਕਰੋਚਮੈਂਟ ਕਰਨ ਦੀ ਪ੍ਰਵਾਨਗੀ ਨਹੀਂ ਹੈ। ਇੰਨਕਰੋਚਮੈਂਟ ਕਰਨ ਅਤੇ ਬਿਲਡਿੰਗ ਬਾਈਲਾਜ ਦੀ ਉਲੰਘਣਾ ਕਰਨ ਗਲਤ ਬਿਆਨ ਦੀ ਸੂਰਤ ਵਿੱਚ ਨਾ ਕੇਵਲ ਪੰਜਾਬ ਮਿਉਂਸਪਲ ਐਕਟ ਅਨੁਸਾਰ ਕਾਰਵਾਈ ਕੀਤੀ ਜਾਵੇਗੀ। ਬਲਕਿ ਧਾਰਾ ਦੀ ਨਿਅਮਤਾ ਅਧੀਨ ਬਣਦੀ ਕਾਰਵਾਈ ਕੀਤੀ ਜਾਵੇਗੀ, ਜਿਸ ਦੇ ਹਰਜੇ ਵ ਖਰਚੇ ਦਾ ਬਿਨੈਕਾਰ ਖੁੱਦ ਜ਼ਿੰਮੇਵਾਰ ਹੋਵੇਗਾ।

ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
ਮਿਉਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।

ਪਿੱਠ ਅੰਕਣ ਨੰਬਰ .....

ਮਿੱਤੀ .....

1. ਇਸ ਦਾ ਇੱਕ ਉਤਾਰਾ ਆਰਕੀਟੈਕਟ ਵਾਲੀਆਂ ਕ੍ਰਿਏਟਿਵ ਆਰਕੀਟੈਕਟ, ਪਾਸੀ ਰੋਡ, ਪਟਿਆਲਾ ਨੂੰ ਭੇਜ ਕੇ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿਉਂਕਿ ਉਕਤ ਨਕਸਾ ਆਪ ਵੱਲੋਂ ਤਿਆਰ ਕਰਕੇ ਪੇਸ਼ ਕੀਤਾ ਗਿਆ ਹੈ ਅਤੇ ਬਿਲਡਿੰਗ ਬਾਈਲਾਜ ਅਨੁਸਾਰ ਇਸ ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਦੀ ਨਿਗਰਾਨੀ ਆਪ ਵੱਲੋਂ ਕੀਤੀ ਜਾਣੀ ਹੈ। ਇਸ ਲਈ ਰੂਲਜ਼ ਅਨੁਸਾਰ ਇਸ ਇਮਾਰਤ ਦੀ ਉਸਾਰੀ ਸਬੰਧੀ ਸਮੇਂ-ਸਮੇਂ ਸਿਰ ਲੋੜੀਂਦੇ ਸਰਟੀਫਿਕੇਟ ਮਿਉਂਸਪਲ ਦੀ ਬਿਲਡਿੰਗ ਸ਼ਾਖਾ ਵਿੱਚ ਦਿੱਤੇ ਜਾਣ ਅਤੇ ਅਜਿਹਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿੱਚ ਅਤੇ ਸਹੀ ਤੱਤ ਦਫਤਰ ਨੂੰ ਨਾ ਦੇਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਆਪ ਦੇ ਵਿਰੁੱਧ ਕਾਨੂੰਨ ਅਨੁਸਾਰ ਕਾਰਵਾਈ ਕੀਤੀ ਜਾਵੇਗੀ। ਇਸ ਬਿਲਡਿੰਗ ਦੀ ਸਟਰਕਚਰ ਸੇਫਟੀ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਆਪਦੀ ਅਤੇ ਸਟਰਕਚਰਲ ਇੰਜੀਨੀਅਰ ਦੀ ਹੋਵੇਗੀ। ਸਰਕਾਰੀ/ਬੀ.ਐਸ./ਹਦਾਇਤਾਂ ਨੂੰ ਪਾਲਣਾ ਕਰਨਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ। ਬਿਲਡਿੰਗ ਸ਼ੁਰੂ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਇਸ ਦੀ ਬਿਅਰਿੰਸ ਕੰਪੈਸਟੀ ਨੂੰ ਚੈਕ ਕਰਨਾ ਅਤੇ ਸਟਰਕਚਰਲ ਡਿਜਾਇਨ ਅਨੁਸਾਰ ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਨੂੰ ਯਕੀਨੀ ਬਣਾਉਣਾ ਆਪ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।

— ਸਹੀ —  
ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
ਮਿਉਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।

2. ਇਸ ਦਾ ਇੱਕ ਉਤਾਰਾ ਬਿਲਡਿੰਗ ਸਾਖਾ ਨੂੰ ਭੇਜ ਕੇ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਉਹ ਉਕਤ ਦਰਸਾਈਆਂ ਗਈ ਸ਼ਰਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਵਾਉਣ ਲਈ ਕਾਰਵਾਈ ਕਰੇ।

— ਸਹੀ —  
ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
ਮਿਉਂਸਪਲ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।



**PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY**  
sco 149-152, Sector 17 c, Chandigarh – 160017

**PERMISSION FOR EXTRACTION OF GROUNDWATER**

(Under The Punjab Groundwater Extraction And Conservation Directions, 2023)

Unit ID:	Permission Number:	Date of Grant of Permission	Valid up to
1350201183	PWRDA/I/06/2023/L2/77	30.06.2023	29.06.2026

1	Name of Unit:	Commercial Project namely "Orbit Signature Walk" by M/s Orbit Apartment Construction Pvt. Ltd.	
2	Activity of Unit:	Commercial	
3	Address/Location of Unit:	VIP Road, Zirakpur, Tehsil Derabassi, SAS Nagar (Punjab)	
		District SAS Nagar	PIN:140603
4	Assessment Area (Block):	Derabassi	Status: Yellow
5	District	SAS Nagar	
6	Head Office Address:	Orbit Office, Orbit Signature Walk, 1, VIP Road, Zirakpur, District SAS Nagar (Punjab)	
			PIN: 140603
	Email	grewal@orbitdevelopers.com	
	Phone/Mobile No.	9855025053	
7	Project Status:	New	
8	No. of Existing Tube-Wells	No. of Proposed Tube-Wells	Total Number of Tube-Wells Permitted
		00	02
9	Volume of Ground Water Permitted to be Extracted(m <sup>3</sup> /month)	Fresh	Brackish/Saline
		6270	-

Note: This permission is granted in terms of the Punjab Groundwater Extraction and Conservation Directions, 2023 notified on 27<sup>th</sup> January, 2023 under section 15 of the Punjab Water Resources (Management and Regulation) Act, 2020 and is subject to the conditions given overleaf.

Dated:30.06.2023  
Place: Chandigarh



Maninder Singh A.O.L-2  
Executive Engineer  
Punjab Water Regulation and Development Authority  
Chandigarh.

## Terms and Conditions

- 1) User shall comply with the provisions of the Punjab Water Resources (Management and Regulation) Act, 2020, The Punjab Groundwater Extraction and Conservation Directions, 2023 and other Regulations, Directions and instructions issued by the Authority from time to time.
  - 2) The User shall install a water meter of required Specifications at each extraction structure and inform PWRDA along with Model approval Certificate from FCRI /NPL, Calibration Certificate, etc. within three months of issue of this Permission. The water meter shall conform to the technical specifications, performance parameters and connectivity standards, etc. as required by the Authority.
  - 3) The User (if required to install piezometer as per Directions) shall install the piezometer of the required specifications within three months of issue of this permission. (refer para 5.2 of the Directions).
  - 4) Payment Cycle and Schedule shall be as per para 4.8 of the Directions.
  - 5) In case of proposed water extraction structure which is yet to be commissioned, the user will intimate the Authority regarding all the details of the structure within 15 days of energizing of structure.
  - 6) This Permission does not absolve the Unit of its obligations to obtain other required statutory and administrative clearances from appropriate Authorities.
  - 7) The issue of this Permission does not imply that other statutory or administrative clearances shall necessarily be granted to the unit by the concerned Authorities.
  - 8) This Permission is being issued without any prejudice to the orders of any court of law in cases related to groundwater or any other related matters.
  - 9) The Authority may inspect the Unit and original documents at any time. In case it is found that any material facts have been concealed or misrepresented or any material difference is found in the information submitted and the site conditions or documents, the Authority may suspend the permission granted immediately and may cancel or alter the permission after giving a notice to the Unit. This will be without prejudice to any other action that may be taken under the law for supply of wrong information.
  - 10) The User is advised to keep on checking the website of the Authority for updates on Directions and instructions on matters related to extraction of groundwater.
  - 11) The User shall obtain revised/varied/fresh permission as the case may be, in case there is any change in ground water extraction structure, volume etc, before the aforesaid change is affected or within the time permitted under the Directions.
  - 12) A user shall apply for renewal of permission in the required format three months prior to the expiry of permission.
-

## Tanker of STP Treatment Water

PAGE NO.

NO.

from orbit

S.No	Date	In Time	Out Time	Remarks
1	08.10.21	8:00	9:45	✓
2	19.10.21	2:30	3:45	✓
3	31.10.21	8:15	9:30	✓
4	06.11.21	10:30	12:00	✓
5	19.11.21	2:30	3:30	✓
6	28.11.21	8:30	10:00	✓
7	04.12.21	11:25	12:35	✓
8	19.12.21	10:35	11:55	✓
9	02.01.22	3:30	4:15	✓
10	16.01.22	4:15	5:00	✓
11	29.01.22	11:15	12:30	✓
12	08.02.22	12:35	1:35	✓
13	02.03.22	8:30	10:15	✓
14	17.03.22	9:45	10:45	✓
15	31.03.22	2:35	3:35	✓
16	11.04.22	8:45	9:35	✓
17	27.04.22	9:45	10:35	✓
18	11.05.22	10:35	11:45	✓
19	30.05.22	11:00	12:35	✓
20	06.06.22	9:30	11:35	✓
21	25.06.22	10:15	12:15	✓
22	12.07.22	2:35	3:35	✓
23	29.07.22	8:35	9:45	✓
24	09.08.22	9:35	10:45	✓
25	25.08.22	10:15	11:35	✓
26	8.09.22	9:35	11:05	✓
27	22.09.22	3:35	4:45	✓
28	2.10.22	10:15	11:05	✓
29	27.10.22	4:35	5:25	✓
30	9.11.22	11:15	12:05	✓

Tanker of STP treated water from PAGE NO: 107.61

S.No.	Date	In Time	Out Time	Remarks
31	30.11.22	8:35	9:45	
32	10.12.22	11:15	12:15	
33	21.12.22	2:35	3:35	
34	01.01.23	11:35	12:35	
35	17.01.23	4:15	5:00	
36	30.01.23	10:00	11:30	
37	02.02.23	8:00	9:45	
38	23.02.23	2:30	3:45	
39	07.03.23	8:15	9:30	
40	28.03.23	10:30	12:00	
41	13.04.23	2:30	3:30	
42	26.04.23	8:30	10:00	
43	07.05.23	11:25	12:35	
44	21.05.23	10:35	11:55	
45	02.06.23	3:30	4:15	





# Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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



## TEST REPORT

ULR No. : NA		Test Report No. : NWAM231023NA012	
Type of Sample : Water (Ground Water)		Date of Reporting : 27/10/2023	
Customer	Orbit Signature walk By M/s Orbit Apartment Construction Pvt Ltd. VIP Road, Zirakpur, Punjab	Work Order No. & Date	Work Order DT:11.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS:17614 (P-1) 2021	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	23/10/2023	Date of Receipt of Sample	23/10/2023
Sampling Location	Borewell (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	23/10/2023 To 27/10/2023
Sample Description	Clear, colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked O/23/01		

## RESULTS

### I-Chemical Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL	5	15	IS: 3025 (Part-4)Cl 2.0 [DL- 5 Colour Units]
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (Part-5)
3	pH @ 25°C	-	6.88	6.5-8.5	No relaxation	IS:3025 (Part-11) [DL- 2]
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL	1	5	IS 3025 (Part-10) (DL- 1 NTU)
6	Chloride as Cl	mg/l	52	250	1000	IS: 3025 (Part-32) [DL- 1 mg/l]
7	Iron as Fe.	mg/l	0.19	1.0	No relaxation	USEPA 3015A [DL- 0.001 mg/l]
8	Total hardness as CaCO <sub>3</sub>	mg/l	415	200	600	IS :3025 (Part-21) [DL- 1 mg/l]

### II-Biological Testing

#### 1. Water (Ground Water)

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

Ritika Kumari

Authorized Signatory-Biological

Umesh Kumar

Authorized Signatory-Chemical



ULR No. : NA		Test Report No. : NWAM231023NA012			
Type of Sample : Water (Ground Water)		Date of Reporting : 27/10/2023			
2		ml			

Remarks : NA

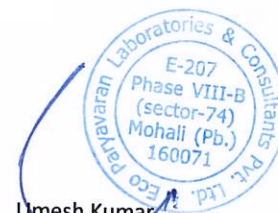
**OTHER INFORMATION**

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

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

**\*\*End of Report\*\***

Ritika Kumari  
Authorized Signatory-Biological



Umesh Kumar  
Authorized Signatory-Chemical



## TEST REPORT

ULR No. : NA		Test Report No. : NSOM231023NA013	
Type of Sample : Soil.		Date of Reporting : 27/10/2023	
Customer	Orbit Signature walk By M/s Orbit Apartment Construction Pvt Ltd. VIP Road, Zirakpur, Punjab	Work Order No. & Date	Work Order DT:11.10.2023
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	23/10/2023	Date of Receipt of Sample	23/10/2023
Sampling Location	Park (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	23/10/2023 To 27/10/2023
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	10 Kg Poly Bag Marked O/23/01		

## RESULTS

### I. Chemical Testing

#### 1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	8.32	IS:2720 (Part-26) Cl-2, [DL- 2]
2	Conductivity	mmhos/cm	0.355	IS:14767 [DL- 0.1 mmhos/cm]
3	Moisture Content	%	6.9	IS:2720 (Part-II) Sec-1 [DL- 0.1 %]
4	Organic Matter	%	1.75	IS: 2720 (Part XXII) Sec-1, [DL- 0.1 %]
5	Texture	--	Sandy loam	IS:2720 (Part-4) Cl 2,4
6	Bulk Density	gm/cc	1.56	IS: 2720 (Part-7) [DL- 1 gm/cc]

Remarks : NA

### OTHER INFORMATION

#### Abbreviation :

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

#### Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



Authorized Signatory-Chemical



## TEST REPORT

<b>ULR No. :</b> NA		<b>Test Report No. :</b> NAIM251023NA003	
<b>Type of Sample :</b> Ambient Air Quality		<b>Date of Reporting :</b> 27/10/2023	
<b>Customer</b>	Orbit Signature walk By M/s Orbit Apartment Construction Pvt Ltd. VIP Road, Zirakpur, Punjab	<b>Work Order No. &amp; Date</b>	Work Order DT:11.10.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	<b>Mode of Collection of Sample</b>	Sampling by laboratory
<b>Date of Sampling</b>	23/10/2023	<b>Date of Receipt of Sample</b>	25/10/2023
<b>Sampling Location</b>	Project Site (Near Security Office)	<b>Period of Analysis</b>	25/10/2023 To 27/10/2023
<b>Testing Protocol</b>	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	<b>Environmental Conditions</b>	Clear sky
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I-Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Respirable Suspended Particulate Matter (as PM10)	µg/m <sup>3</sup>	83	100	IS: 5182 (Part-23)
2	Particulate Matter (as PM2.5)	µg/m <sup>3</sup>	46	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12	80	IS: 5182 (Part-2)
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	25	80	IS: 5182 (Part-6)
5	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	20	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	26	180	IS: 5182 (Part-9)
7	Carbon Monoxide (as CO),	mg/m <sup>3</sup>	0.72	04	IS: 5182 (Part-10), NDIR Method

Remarks : NA

### OTHER INFORMATION

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

**\*\*End of Report\*\***



Umesh Kumar

Authorized Signatory-Chemical



## TEST REPORT

<b>ULR No. :</b> NA		<b>Test Report No. :</b> NNOM251023NA004	
<b>Type of Sample :</b> Ambient Noise		<b>Date of Reporting :</b> 27/10/2023	
<b>Customer</b>	Orbit Signature walk By M/s Orbit Apartment Construction Pvt Ltd. VIP Road, Zirakpur, Punjab	<b>Work Order No. &amp; Date</b>	Work Order DT:11.10.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 9989-1989, RA 2008.	<b>Mode of Collection of Sample</b>	Sampling by laboratory
<b>Date of Sampling</b>	23/10/2023	<b>Date of Receipt of Sample</b>	25/10/2023
<b>Sampling Location</b>	Project Site (Near Security Office)	<b>Period of Analysis</b>	25/10/2023 To 25/10/2023
<b>Testing Protocol</b>	IS 9989-1989, RA 2008.		
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I- Chemical Testing

#### 1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	58.3	LAB SOP: EL/SOP/AN/01, Issue No.-04, Nov 10

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

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

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

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

Remarks : NA

### OTHER INFORMATION

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

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

\*\*End of Report\*\*



Authorized Signatory-Chemical

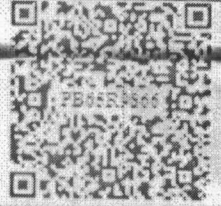
09

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Punjab

Date : 19/04/2024  
Time : 14:53:15 PM  
Validity upto : 18/10/2024



Certificate SL. No. : PB06501300009519  
Registration No. : PB65R9866  
Date of Registration : 20/Aug/2012  
Month & Year of Manufacturing : March-2012  
Valid Mobile Number : \*\*\*\*\*3829  
Emission Norms : BHARAT STAGE III  
Fuel : DIESEL  
PUC Code : PB0650130  
GSTIN :  
Fees : Rs.100.00  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.49

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
50mm x 20 mm

02

**Pollution Under Control Certificate**

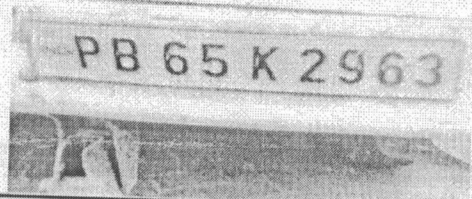
Authorised By :  
Government of Punjab

Date : 19/04/2024  
Time : 15:17:01 PM  
Validity upto : 18/10/2024



Certificate SL. No. : PB06501300009522  
Registration No. : PB65K2963  
Date of Registration : 26/Feb/2010  
Month & Year of Manufacturing : January-2010  
Valid Mobile Number : \*\*\*\*\*8935  
Emission Norms : BHARAT STAGE III/IV  
Fuel : DIESEL  
PUC Code : PB0650130  
Fees : Rs.100.00  
NIL observation : No

Vehicle Photo with Registration plate  
30 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idle Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.59

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
30 mm x 20 mm



**CERTIFYING SURGEON FIRST AID TRAINING HI TECH MEDICAL CHECK UP & OHC MANAGEMENT**

### Part 1- To be filled in by Candidate before Medical Examination

Certificate No. **MEDIGLOBE/MED/3324**

Post considered for:

Name ( in Block Letters): **AMIT KUMAR**

Address: **DELHI**

Date of birth: **10/07/1996**



1. Are you currently being treated by a health professional for any illness or injury?
2. Do you use any drugs or medications prescribed by Doctor?
3. Do you use any drugs or medications not prescribed by Doctor?
4. Do you have heart disease
5. Do you have high blood pressure
6. Do you have vertigo or fear of heights
7. Do you have sleep disorder
8. Do you have Epilepsy
9. Have you ever had any serious injury, illness, operation, or been in hospital for any reason?
10. Have you ever been blackout/fainted
11. Do you drink alcohol?

	NO	YES
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		

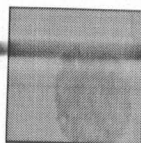
Date

Signature of Candidate

Left Hand Thump impression

05/04/2024

*Amit Kumar*  
Signature of Candidate



*[Signature]*  
DR. RANJEET K. KALE  
M.B.B.S. M.D.  
Reg. No. 88516





**CERTIFYING SURGEON FIRST AID TRAINING HI TECH MEDICAL CHECK UP & OHC MANAGEMENT**

## Part 2 - Clinical Examination/ Lab test

### Cardiovascular system

1 BMI	22.96	Height	159.5	Weight	58.4
-------	-------	--------	-------	--------	------

2 Blood pressure (repeat if necessary)	Systolic	120	mmHg		mmHg
	Diastolic	80	mmHg		mmHg

b. Pulse rate	Regular	<input checked="" type="checkbox"/>	Irregular	<input type="checkbox"/>
c. Heart sounds	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
d. Peripheral pulses	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
3 Chest/Lungs	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
4 Abdomen (Liver)	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>

5 Neurological/Locomotor				
a. Cervical spine rotation	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
b. Back movement	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
c. Upper limbs				
Appearance	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
Joint movements	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
d. Lower limbs				
Appearance	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
Joint movements	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
e. Reflexes	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
f. Romberg's sign	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>

A pass requires the ability to maintain balance while standing with shoes off, feet together side by side, eyes closed and arms by sides, for 30 seconds

6 Hearing (Doctor's judgement)	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
7 Vision Test (Doctor's judgement)	Normal	<input checked="" type="checkbox"/>	Abnormal	<input type="checkbox"/>
8 Routine Urine Examination	ALBUMIN	<u>Absent</u>	SUGAR	<u>Absent</u>
9 Routine Blood examination	HAEMOGRAM			

Blood Group: O POSITIVE Rh factor:    Hb 12.6 TLC 5600 RBC 4.6

DLC- P L E M B 62 32 4 1 0 Platelets Count 2.63 RBS 96

Serum cholesterol: 159 SITriglycerides: 129

HDL: 49 LDL: 114

*DR. RANJEET K. KALE*  
M.B.B.S. M.D.  
Reg. No. 88516



## Part 3 - Certificate of Physical fitness

I hereby certify that Mr/Ms. **AMIT KUMAR**

has been examined by us, we cannot discover that he / she has got any disease, communicable or otherwise, constitutional or bodily deformity except NA. Candidate is hereby declared,

FIT

UNFIT

TEMPORARILY UNFIT

for the post of

- 1) Working on Height
- 2) Electrical work
- 3) Material lifting
- 4) Four wheeler Driving

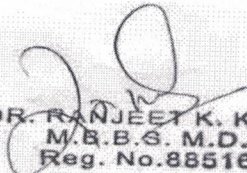
Doctor's full name: Dr.Ranjeet Kale

Seal & Signature

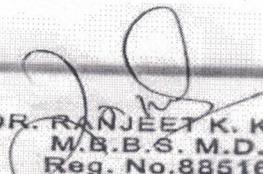
Registration number: 88516

Date of examination: 05/04/2024

Validity: 1 Year

  
**DR. RANJEET K. KALE**  
 M.B.B.S. M.D.  
 Reg. No.88516

Vertigo Test: Normal

  
**DR. RANJEET K. KALE**  
 M.B.B.S. M.D.  
 Reg. No.88516

Authorized Signature



## ORBIT APARTMENT CONSTRUCTION PVT. LTD.

### ENVIRONMENT POLICY OF THE COMPANY

M/s Orbit Apartment Construction Pvt. Ltd. is committed to ensure an eco-friendly environment by establishing, maintaining and continually improving an Environmental Management System (EMS) with emphasis on below mentioned:

- We involve our customers, suppliers, vendors and contractors in environmental sustainability endeavors by sharing our expectations to collaboratively achieve our environmental objectives and adopting the '3-R' (Reduce, Reuse and Recycle) concept.
- We are strived to comply with all applicable environmental and related legal and other requirements.
- To implement all these measures, we are devised an Environment Management Plan (EMP) which consist of all mitigation measures for each activity to be undertaken to minimizing environmental impacts if any.
- We have communicated our environmental policy to all the employees, customers, business associates and other stakeholders and ensure that the reporting of the environmental related compliance is done through appropriate communication channels.
- We are reviewing the environmental policy and allied management systems periodically to ensure continuing applicability and relevance to our operations.
- Preserve and enhance biodiversity in our unit and ardently promote 'green procurement for our all upcoming projects'.

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

*Parshotam Singh Grewal*  
Director

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

*Devinder Kaur*  
Director

Director

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

For ORBIT APARTMENT CONSTRUCTION PVT. LTD.

*Maninder Kaur*  
Director

Director

Director

(Authorized Signatory)  
Name: Parshotam Singh Grewal  
Contact No.: 9855025053  
Designation: Director  
Email: grewal@orbitdevelopers.com  
Date:

- 1, VIP Road, Chandigarh - Ambala Highway,  
Zirakpur, District SAS Nagar, Punjab - 140603

01762-519205 ●  
info@orbitdevelopers.com ●  
www.orbitdevelopers.com ●

**EMP and Year Wise Progress of Implementation of Action Plan**

Environment Management Plan (EMP) is prepared for the better formulation, proper implementation, monitoring of mitigation measures adopted to mitigate the possible adverse impacts of a project. EMP thus, ensures that probable environmental impacts are foreseen and taken into consideration before, during and after the completion of the project. The main objective of the EMP is to identify project specific activities that are to be considered for investigation of the significant adverse impacts and the mitigation measures required.

❖ **Year Wise Progress of Implementation of EMP**

<b>Year</b>	<b>Till March, 2021</b>	<b>Till Sep, 2021</b>	<b>Till March, 2022</b>	<b>Till Sep, 2022</b>	<b>Till March, 2023</b>	<b>Till Sep, 2023</b>	<b>Till March, 2024</b>
<b>EMP Cost</b>	Rs. 58,000	Rs. 90,000.	Rs 1,50,500.	Rs 1,90,000	Rs. 18,00,000	Rs 61,54 000	Rs. 154.69

The Pioneer (Chandigarh Edition)

ma, Tehsil/Distt- Gurdaspur, Punjab. My Army Documents In My Son Name Gurjashanpreet Singh Which is Wrong. But Correct My Son Name Gurjashanpreet Singh Affidavit No. Z 414173 Dated 14-08-2020 Before Notary Public Gurdaspur.

I, Army No. JC-510545N, Sub, Jashan Singh 6 Sikh LI son of Jashan Singh. Village Saran Wali Distt Ferozepur Punjab Declare My Name and date of birth of my daughter mentioned in Army Documents is Jashanpreet Kaur and date of birth is 03-03-2001 which is Wrong. Her Correct Name is Jashanpreet Kaur and date of birth is 25-03-2001.

Brije Devi, Mother of No. 14844554W, Sep, Nitin Pal presently Residing at Vpo. Bulandshaher District Bulandshaher (U.P. Pradesh) have Changed my name from Brije Devi to Biraj Devi Affidavit Dated 14 August 2020 Before at Notary Ferozepur.

Mamta, Spouse of No. 14844554W, Sep, Nitin pal presently Residing at Vpo. Bulandshaher District Bulandshaher (U.P. Pradesh) have Changed name from Mamta to Rani Rani vide Affidavit dated 14 August 2020 Before Notary Ferozepur.

**निगम पंचकूला ( कालका जौन )**  
**सर्वजनिक सूचना**  
 सूचित किया जाता है कि मलकियत नगर कालका जो नगर निगम रिकार्ड मागवन्ती पत्नी श्री ध्यान चंद के नाम पत्र, शपथ पत्र व मूल्य प्रमाणपत्र, न्यूज पेपर के आधार पर श्री गुलशन चंद ने अपने नाम तबदील करवाने का है। यदि इस मकान की मुटेशन के व्यक्ति को कोई एतराज हो तो वह अन्दर अपना एतराज सबूत सहित सचिव, नगर निगम पंचकूला, कालका जौन।

I Sandeep Singh Sahota S/O Sukhchain Singh R/O H.No.2320 W.No.6 Shaheed Bhagat Singh Nagar Moga Have Changed My Name To Sandeep Singh.

I Rasandeep Kaur Grewal W/O Sandeep Singh R/O Vill. Jorahan P.O. Ranguwal Distt. Ludhiana Have Changed My Name To Rasandeep Kaur.

I Gurmali Kaur Alias Manpreet Kaur D/O Jora Singh Now W/O Baljit Singh R/O Vill. Mahla Kalan Distt. Moga Declare That Am Known By Above Both Names.

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**Public Notice**  
 It is for the information of General Public that M/s Orbit Apartment Construction Pvt.Ltd. has been granted Environmental Clearance by State Level Environment Impact Assessment Authority (SEIAA), Punjab for Establishment of Commercial Project "Orbit Signature Walk" being developed by "M/s. Orbit Apartment Construction Pvt. Ltd." located at VIP Road, Zirakpur, SAS Nagar, Punjab, vide Letter No. DECC/SEIAA/2020/1751 dated 29.07.2020 through our Environmental Consultant "M/s Eco Laboratories & Consultants Pvt. Ltd., Mohali". The copy of the Environmental Clearance along with the conditions to be complied is available with Environmental Clearance portal and with the Project proponent. The interested person can contact either of the two. M/s Orbit Apartment Construction Pvt. Ltd. VIP Road, Zirakpur, SAS Nagar, Punjab- 140603 M/s. Eco Laboratories & Consultants Pvt. Ltd. E-207, Industrial Area, Phase VIII-B, Sector-74, Mohali, Punjab

Rakesh Munshi	
Dated: 14.08.2020	
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ਉਨ੍ਹਾਂ ਨੂੰ ਵੈਂਟੀਲੇਟਰ ਤ  
ਗਿਆ ਹੈ। ਉਨ੍ਹਾਂ ਦੀ ਸਿਹਤ  
ਕੀ ਮਾਪਦੰਡ ਸਥਿਰ ਹਨ।”  
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ਆ ਕਿ ਉਨ੍ਹਾਂ ਦੀ ਸਿਹਤ ਹੋਰ  
ਗੜੀ ਹੈ। ਪੀਟੀਆਈ

**ਲੀਸ ਕਰਮੀ ਹਲਾਕ**

ਦੀ ਮੌਤ ਹੋ ਗਈ ਤੇ ਤੀਜੇ ਦਾ  
ਜਾਰੀ ਹੈ।

ਰੀਰ ਦੇ ਆਈਜੀਪੀ ਵਿਜੇ ਕੁਮਾਰ  
ਸੋਆ ਕਿ ਇਹ ਹਮਲਾ ਜੈਸ਼-ਏ-

ਦ ਵਲੋਂ ਕੀਤਾ ਗਿਆ ਹੈ। ਹਮਲੇ  
ਬਾ ਨੇੜੇ ਕੁਮਾਰ ਨੇ ਪੱਤਰਕਾਰਾਂ ਨੂੰ

ਆ, “ਉਨ੍ਹਾਂ ਨੇ ਅੰਨ੍ਹੇਵਾਹ ਗੋਲੀਆਂ  
ਈਆਂ ਅਤੇ ਸਾਡੇ ਦੋ ਜਵਾਨ ਸ਼ਹੀਦ

ਏ... ਅਸੀਂ ਉਨ੍ਹਾਂ ਦੀ ਪਛਾਣ ਕਰ  
ਦੇ ਹਾਂ, ਉਹ ਜੈਸ਼-ਏ-ਮੁਹੰਮਦ ਜਥੇਬੰਦੀ

ਨ ਸਬੰਧਤ ਹਨ। ਅਸੀਂ ਛੇਤੀ ਹੀ ਉਨ੍ਹਾਂ  
ਬੇਅਸਰ ਕਰ ਦੇਵਾਂਗੇ।” ਪੁਲੀਸ ਨੂੰ

ਲੇ ਬਾਰੇ ਪਹਿਲਾਂ ਕੋਈ ਸੂਹ ਮਿਲਣ  
ਧੀ ਪੁੱਛੇ ਜਾਣ ‘ਤੇ ਉਨ੍ਹਾਂ ਕਿਹਾ,

ਨੂੰ ਹਰ ਵਰ੍ਹੇ 15 ਅਗਸਤ ਅਤੇ 26  
ਵਰ੍ਹੇ ਤੋਂ ਪਹਿਲਾਂ ਅਜਿਹੀਆਂ ਸੂਹਾਂ

ਲਦੀਆਂ ਹਨ। ਸਾਡੇ ਕੋਲ ਸੂਹ ਹੁੰਦੀ ਹੈ  
ਉਹ (ਦਹਿਸ਼ਤਗਰਦ) ਕਿਸੇ ਵਿਸ਼ੇਸ਼

ਰ ਵਿੱਚ ਹਮਲਾ ਕਰਨ ਦੀ ਕੋਸ਼ਿਸ਼  
ਨਗੇ। ਸਾਡੇ ਜਵਾਨਾਂ ਨੂੰ ਚੌਕਸ ਅਤੇ

ਯਾਰ ਕੀਤਾ ਗਿਆ ਸੀ ਪਰ ਉਹ  
ਹਸ਼ਤਗਰਦ) ਪਿਛਲੇ ਪਾਸਿਓਂ ਆਏ

‘ਗੋਲੀਆਂ ਵਰ੍ਹਾ ਦਿੱਤੀਆਂ।’ ਉਨ੍ਹਾਂ  
ਆ, “ਖੇਤਰ ਨੂੰ ਸੀਲ ਕਰ ਦਿੱਤਾ

ਆ ਹੈ ਅਤੇ ਤਲਾਸ਼ੀ ਅਭਿਆਨ  
ਰੀ ਹੈ। ਇਹ ਭੀੜੀ ਗਲੀ ਹੈ ਅਤੇ  
ਆਮ ਲੋਕਾਂ ਦੀ ਆਵਾਜਾਈ ਸੀ

ਵਿਖੇ ਮੈਨੇਜਰ ਦੀ ਅਸਾਮੀ ਲਈ ਘੱਟੋ-ਘੱਟ 10+2 ਪਾਸ,  
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ਲਈ ਚਾਹਵਾਨ ਉਮੀਦਵਾਰ ਪੂਰੀ ਯੋਗਤਾ ਅਤੇ ਤਜਰਬੇ  
ਸਹਿਤ (ਜੇਕਰ ਕੋਈ ਹੋਵੇ) ਇਸ ਇਸ਼ਤਿਹਾਰ ਫੁਪਣ ਦੀ  
ਮਿਤੀ ਤੋਂ ਇਕ ਹਫ਼ਤੇ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਨਿਮਨਹਸਤਾਖਰ  
ਵਿਖੇ ਅਰਜ਼ੀ ਦੇ ਸਕਦੇ ਹਨ। ਇਹ ਨਿਯੁਕਤੀ ਛੇ ਮਹੀਨੇ  
ਲਈ ਨਿਰੋਲ ਆਰਜ਼ੀ ਤੌਰ ‘ਤੇ ਹੋਵੇਗੀ ਅਤੇ ਸਮੇਂ-ਸਮੇਂ ‘ਤੇ  
ਕੰਮ ਦੇ ਆਧਾਰ ‘ਤੇ ਵਾਧਾ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਇਸ  
ਤੋਂ ਇਲਾਵਾ ਬਾਕੀ ਦੀਆਂ ਹਦਾਇਤਾਂ ਬਾਰੇ ਆਪ ਨੂੰ ਮੌਕੇ  
‘ਤੇ ਦੱਸ ਦਿੱਤਾ ਜਾਵੇਗਾ ਜਾਂ ਦਫ਼ਤਰ ਦੇ ਨੋਟਿਸ ਬੋਰਡ ‘ਤੇ  
ਨੋਟ ਕੀਤੀਆਂ ਜਾ ਸਕਦੀਆਂ ਹਨ।

**ਡਿਪਟੀ ਡਾਇਰੈਕਟਰ,  
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**ਪਬਲਿਕ ਨੋਟਿਸ**

ਆਮ ਜਨਤਾ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਮੈਸਰਜ਼  
ਆਰਥਿਟ ਅਪਾਰਟਮੈਂਟ ਕੰਸਟਰਕਸ਼ਨ ਪ੍ਰਾਈਵੇਟ ਲਿਮਿਟਡ ਨੂੰ  
ਸਟੇਟ ਲੈਵਲ ਵਾਤਾਵਰਣ ਇੰਪ੍ਰੋਕਟ ਅਸੈਸਮੈਂਟ ਅਥਾਰਟੀ  
(SEIAA), ਪੰਜਾਬ ਵੱਲੋਂ “ਮੈਸਰਜ਼ ਆਰਥਿਟ ਅਪਾਰਟਮੈਂਟ  
ਕੰਸਟਰਕਸ਼ਨ ਪ੍ਰਾਈਵੇਟ ਲਿਮਿਟਡ” ਵੱਲੋਂ ਵਿਕਸਿਤ ਕੀਤੇ ਜਾ  
ਰਹੇ ਵਪਾਰਕ ਪ੍ਰਾਜੈਕਟ “ਆਰਥਿਟ ਸਿਗਨੇਚਰ ਵਾਕ”  
ਜਿਹੜਾ ਕਿ ਵੀ.ਆਈ.ਪੀ. ਰੋਡ, ਜ਼ੀਰਕਪੁਰ, ਐਸ.ਏ.ਐਸ.  
ਨਗਰ, ਪੰਜਾਬ ਵਿਚ ਵਾਕਿਆ ਹੈ, ਨੂੰ ਸਥਾਪਿਤ ਕਰਨ ਲਈ  
ਪੱਤਰ ਨੰਬਰ DECC/SEIAA/2020/1751, ਮਿਤੀ 29.7.2020  
ਰਾਹੀਂ ਸਾਡੇ ਵਾਤਾਵਰਣ ਸਲਾਹਕਾਰ “ਮੈਸਰਜ਼ ਈਕੋ  
ਲੈਬਰਾਟਰੀਜ਼ ਅਤੇ ਕੰਸਲਟੈਂਟਸ ਪ੍ਰਾਈਵੇਟ ਲਿਮਿਟਡ ਮੁਹਾਲੀ”  
ਰਾਹੀਂ ਵਾਤਾਵਰਣ ਸਪਸ਼ਟਤਾ ਦਿੱਤੀ ਗਈ ਹੈ। ਵਾਤਾਵਰਣ  
ਸਪਸ਼ਟਤਾ ਦੀ ਕਾਪੀ ਸਮੇਤ ਪਾਲਣ ਕਰਨ ਵਾਲੀਆਂ ਸ਼ਰਤਾਂ  
ਵਾਤਾਵਰਣ ਪੋਰਟਲ ਅਤੇ ਪ੍ਰਾਜੈਕਟ ਪ੍ਰੋਪੋਜ਼ੀਟ ਪਾਸ ਉਪਲਬਧ  
ਹਨ। ਰੁਚੀ ਰੱਖਣ ਵਾਲੇ ਵਿਅਕਤੀ ਦੋਵਾਂ ਵਿਚੋਂ ਕਿਸੇ ‘ਤੇ  
ਸੰਪਰਕ ਕਰ ਸਕਦੇ ਹਨ।

ਮੈਸਰਜ਼ ਆਰਥਿਟ ਅਪਾਰਟਮੈਂਟ ਕੰਸਟਰਕਸ਼ਨ ਪ੍ਰਾਈਵੇਟ  
ਲਿਮਿਟਡ, ਵੀ.ਆਈ.ਪੀ. ਰੋਡ, ਜ਼ੀਰਕਪੁਰ, ਪੰਜਾਬ-140603  
ਮੈਸਰਜ਼ ਈਕੋ ਲੈਬਰਾਟਰੀਜ਼ ਅਤੇ ਕੰਸਲਟੈਂਟਸ ਪ੍ਰਾਈਵੇਟ  
ਲਿਮਿਟਡ, E-207, ਇੰਡਸਟਰੀਜ਼ ਏਰੀਆ, ਫੇਜ਼-8-ਬੀ,  
ਸੈਕਟਰ-74, ਮੁਹਾਲੀ, ਪੰਜਾਬ। DPR/Pb/7425

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firm/agencies/contractors fulfilling the eligibility criteria as per tender notice  
on <http://etenders.chd.nic.in/nicgep>.

Sr. No.	UNIT No.	Work and ation	Estimated cost put to tender	Earnest money	Time of comp- letion	For or submis- of ten- 18.08.20 2.00 F
			6/-	3/-	Months	

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# Six Monthly Compliance Report 30Sept 2023

SM-31.03.2021-OSW.pdf | 1 / 82 | 30% | [Icons]

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State Environment Impact Assessment Authority  
 UserID: [orbitwalk@gmail.com]

**Logout**



Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub”

Category :  MoEF File No. :

**Compliance Letter/Report**

Year of Compliance:

Date of Compliance \* :

Remarks :

Upload Compliance Letter/Report \* :  No file chosen (.pdf only)

**SUBMIT**

o.	Proposal No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
1	SIA/PB/MIS/128629/2019	123120206P4NW712Compliance.pdf	Six Monthly Compliance Report for period ending 30.09.2020 is enclosed	31/12/2020	<input type="button" value="X"/>
2	SIA/PB/MIS/128629/2019	0531202177132788Orbit.pdf	Six Monthly Compliance Report for period ending 31.03.2021 is enclosed.	31/05/2021	<input type="button" value="X"/>
3	SIA/PB/MIS/128629/2019	1123202152225923finalorbit.pdf	Six Monthly Compliance Report for period ending 30.09.2021 is enclosed	23/11/2021	<input type="button" value="X"/>
4	SIA/PB/MIS/128629/2019	0528202263506228Orbit_SM.pdf	Six Monthly Compliance Report for period ending 31.03.2022 is enclosed.	28/05/2022	<input type="button" value="X"/>
5	SIA/PB/MIS/128629/2019	1202202214354933OrbitSignatureWalk.pdf	Six Monthly Compliance Report for period ending 30.09.2022 is enclosed.	02/12/2022	<input type="button" value="X"/>
6	SIA/PB/MIS/128629/2019	0601202371288355OrbitSignatureWalk.pdf	Six Monthly Compliance Report for period ending 31.03.2023 is enclosed.	01/06/2023	<input type="button" value="X"/>
7	SIA/PB/MIS/128629/2019	1115202369862598orbisignaturewalk.pdf	Six Monthly Compliance Report for period ending 30.09.2023 is enclosed	15/11/2023	<input type="button" value="X"/>

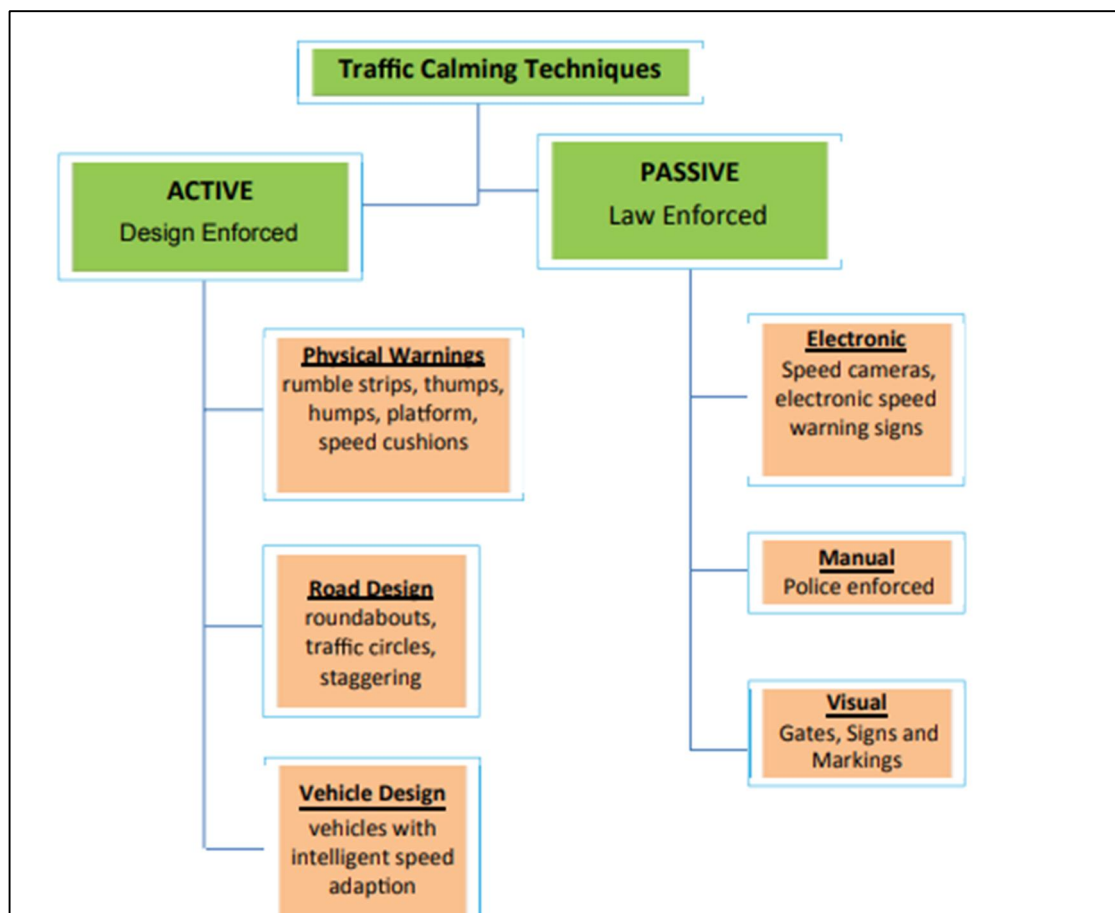


## TRAFFIC CALMING MEASURES

### INTRODUCTION:

Traffic calming uses physical design and other measures to improve safety for motorists, pedestrians and cyclists. It has become a tool to combat speeding and other unsafe behaviors of drivers in the neighborhoods. It aims to encourage safer, more responsible driving and potentially reduce traffic flow. Strategies for traffic calming include narrowed roads and speed humps.

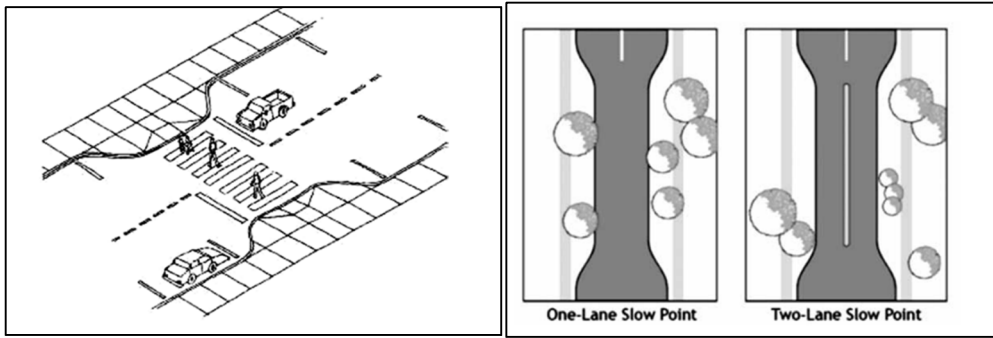
### CLASSIFICATION OF TRAFFIC CALMING TECHNIQUES:



### 1. Active Measures:

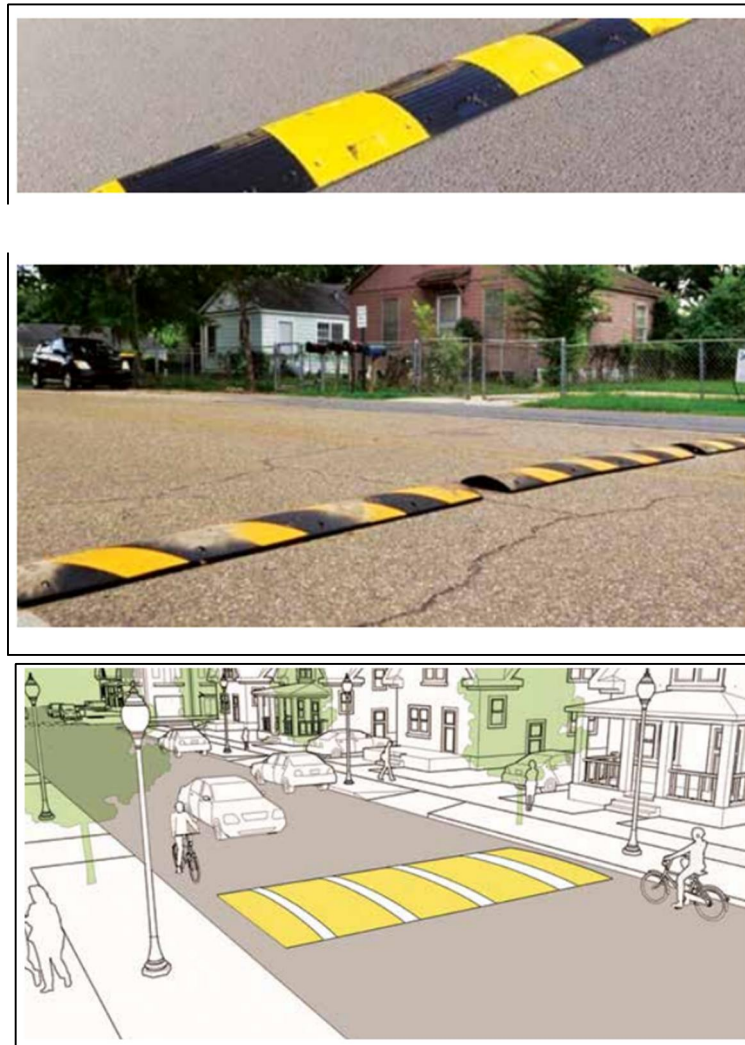
#### ➤ Lane Narrowing

It can reduce the speed of cars but its effect is minimal for two wheelers. Also, in the case of bicycle lanes, there are more chances of the lane being encroached upon by the motorized vehicle due to a constricted carriageway. As a suggestion, narrowing should be indicated using lane marking instead of geometric intervention.



➤ **Speed Breakers/ Humps**

Speed breakers are commonly used to reduce speeds. However, the design and type of the speed breaker is critical. Speed breakers reduce the speed and result in an efficient traffic flow. The advantage of speed breakers is that they can be easily placed at identified locations. Humps as a speed reducing device work on the basis of the slight inconvenience in the form of a jerk and vertical acceleration, caused to the driver.



➤ **Speed Tables, Raised Crossings, Raised Intersections**

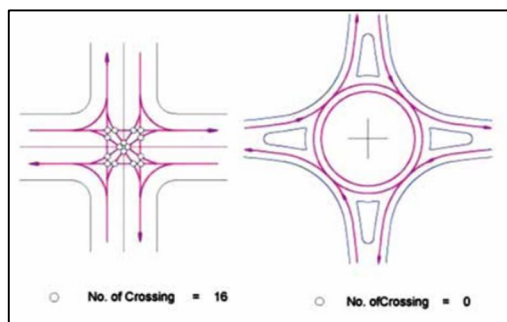
These are effective methods to bring all users to a common speed limit without affecting the cyclists too much. They can be mainly used on nodes/junctions between access and arterial or access and distributor where the intervention does not affect the movement of through traffic in case of arterial and is done on the access arm.

Raised crossings are standard designs used internationally to resolve conflicts between different kinds of traffic i.e. cars and other motor vehicles, cyclists and pedestrians and are predominantly used at minor junctions, property entrances, entry and exit to service roads; to provide comfort, convenience and safety to all users.



➤ **Roundabouts**

Roundabout is a junction type to reduce the speed of traffic while passing through junction. The central island and deflecting islands are designed in such a way that traffic has to be deflected to reduce the speed before entering circulatory carriageway. In the roundabout high speed conflicts can be avoided.



**2. Passive or Law enforced:**

Passive or Law enforced Passive measures include speed cameras and electronically displayed speed warning signs and the restrictions enforced by police manually for certain traffic

movements, and also visual measures like gates, signs and markings, whereby law can be enforced for those who are violating the instructions and crossing the limits set therein

➤ **Visual Warnings or Pre-Warnings**




Pre-warnings are applied to ensure that drivers become aware of the subsequent speed reducers or changing road speed classification.

Pre-warnings will normally be applied on traffic roads before stretches of speed control and can be used for all traffic flows.

➤ **Signs**

Road sign warns and informs the drivers about the nature of the road stretch that they are approaching and about the local speed limit or recommended speed for that road stretch. IRC:67 for “Code of Practice for Road Signs” have been followed for recommended road signs in India.

	Stop
	Give Way
	No Entry
	One Way
	Overtaking Prohibited
	Horn Prohibited
	No Parking
	Speed Limit
	Pedestrian Crossing
	School Ahead

	Cycle Crossing
	Men at Work
	Round About