QuarkCity
INDIA PVT. LTD.

Date:19-10-2022

To,
The Joint Director
Ministry of Environment, Forest and Climate Change,
Regional Office (North),
Government of India,
Bay No. 24-25, Sector-31A,
Chandigarh.
(Mail ids: eccompliance-nro@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of Six monthly compliance report for period ending 30.09.2022 for Quark City located at Plot Nos. A-40A & A-45, Focal Point, Industrial Area, Phase VIII B, Distt. SAS Nagar (Mohali), by M/s Quark City India Pvt. Ltd.

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 30.09.2022 for the above said project through mail for your perusal.

Kindly acknowledge the receipt of the same.
Thanking you

Sincerely

For **M/s Quark City India Pvt. Ltd.**

(Authorized Signatory)
Contact No.- 7087000637
Email- vchauhan@feindustriesindia.com

CC: Member Secretary, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26- Chandigarh-160019.

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

DATA SHEET

1.	**Project Type**	Multi use development project
2.	**Name of the Project**	Quark City
3.	**Clearance letter (s)/O.M No. & dates**	Environmental Clearance has been granted by Ministry of Environment, Forest & Climate Change vide Letter No. J.12011/60/2005-IA (CIE) dated 11th April, 2007; copy of the same is enclosed as **Annexure 1.** Further, Environmental Clearance for expansion of the project has also been granted by SEIAA vide Letter No. SEIAA/M.S./2020/3435, dated 05.11.2020. copy of the same is enclosed as **Annexure 2.**
4.	**Location**	Plot Nos. A-40A & A-45, Focal Point, Industrial Area, Phase VIII B, Distt. SAS Nagar (Mohali), Punjab.
	a) District (s)	SAS Nagar (Mohali)
	b) State (s)	Punjab
	c) Latitudes/ Longitudes	30°42'16.42"N 76°41'28.83"E
5.	**Address for correspondence**	M/s Quark City India Pvt. Ltd. A-40A, Focal Point Industrial Area, Phase VIIIB, Mohali
6.	**Salient features**	
	a) of the project	As per the Environment Clearance, the total plot area is 51.30 acres (207602.123 sq.m.) and the built-up area of the project is 7,47,088,902 sq. m.
	b) of the environmental management plans	As per the Environment Clearance, the total water requirement for the project will be 2,521 KLD, out of which fresh water requirement will be 1785 KLD, which will be met through bore well. The total wastewater generation from the project will be 2170 KLD, which will be treated in existing WWTP of 32 KLD capacity and proposed of 500 KLD and existing STP of capacity 800 KLD, 100 KLD, 150 KLD and48 KLD. The total quantity of solid waste generated from the project is estimated to be 8,769 kg/day.

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<table>
<tr><td></td><td></td><td>The total load of electricity required for the project is estimated to be 30 MW which will be provided by PSPCL.</td></tr>
<tr><td rowspan="3">7.</td><td>Break-up of the project area</td><td></td></tr>
<tr><td>a) Submergence area: Forest and Non-forest</td><td>Not applicable</td></tr>
<tr><td>b) Others</td><td>Not applicable</td></tr>
<tr><td rowspan="3">8.</td><td>Break-up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless labourers/artisans.</td><td>Not applicable</td></tr>
<tr><td>a) SC/ST/Adivasis</td><td>Not applicable</td></tr>
<tr><td>b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. If a survey has been carried out give details and year of survey)</td><td>Not applicable</td></tr>
<tr><td rowspan="3">9.</td><td>Financial details:</td><td></td></tr>
<tr><td>a) Project cost as originally planned and subsequent revised estimates and the year of price reference.</td><td>Total cost of the project is Rs. 1500 Crores.</td></tr>
<tr><td>b) Allocations made for environmental management plans with item wise and year wise break up.</td><td>The break-up of total expenditure proposed on EMP is as below:

During construction phase:
<table>
<tr><td>Description</td><td>Capital Cost (Rs. Lakhs)</td></tr>
<tr><td>Rain water harvesting & ground water recharge</td><td>1.5</td></tr>
<tr><td>Wastewater and Sewage Treatment Plant & Sewage Pumping stations</td><td>3.75</td></tr>
<tr><td>Solid Waste Management</td><td>3.15</td></tr>
<tr><td>Noise pollution Control</td><td>0.5</td></tr>
<tr><td>Green Areas</td><td>2.33</td></tr>
<tr><td>Fire fighting</td><td>10.5</td></tr>
<tr><td>Solar features</td><td>12</td></tr>
<tr><td>Monitoring expenses</td><td>0.02</td></tr>
</table></td></tr>
</table>

		Miscellaneous: 0.1 **Total: Rs. 33.85 Crores.**
		During operational phase:

Description	Capital Cost (Rs. Lakhs)
Rain water harvesting & ground water recharge	2
Wastewater and Sewage Treatment Plant & Sewage Pumping stations	13
Solid Waste Management	10
Noise pollution Control	0.5
Green Areas	6.5
Fire fighting	2
Solar features	5
Monitoring expenses	2
Total	**Rs. 41 Lakhs.**

	c) Benefit cost ratio/internal rate of return and the year of assessment	Will be calculated and submitted separately
	d) Whether (c) includes the cost of environmental management as shown in b) above.	Yes
	e) Actual expenditure incurred on the project so far.	Total expenditure incurred on the project is Rs 622,82,57,997 till 31st March, 2022.
	f) Actual expenditure incurred on environmental management plans so far.	Total expenditure incurred on the EMP is Rs 225 Crores till 31ht March, 2022.
10.	**Forest land requirement:**	
	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, if any	Not Applicable.
	c) the status of compensatory afforestation, if any.	Not Applicable.
	d) Comments on the viability & sustainability of compensatory Afforestation programme in the light of actual field experience so	Not Applicable.

	far.	
11.	**The status of clear felling in non-forest areas** *(such as submergence area of reservoir, approach road)* **if any, with quantitative information**	Not applicable
12.	**Status of construction:**	50 % of construction has been done
	a) Date of commencement (actual and/or planned)	Date of commencement: 2003
	b) Date of completion (actual and/or planned)	Planned date of completion: 2027
13.	**Reasons for the delay, if the project is yet to start**	Not applicable

Compliance Report on conditions imposed in Environmental Clearance obtained vide dated 01.04.2022 for Period ending 30.09.2022

A. Special Conditions:

S. No.	Conditions	Reply
i.	No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time shall be allowed to established except category under 8(a) and 8(b) in Integrated Township namely "Quark City" located at Plot Plot nos, A-40A & A-45, Focal Point Industrial Area, Phase VIII B, Distt. SAS Nagar (Mohali), However, other industries (not covered in the EIA notification, 2006) although categorized as Orange, Green and White as per the PPCB classification are allowed to be established.	Agreed, No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time shall be allowed to established except category under 8(a) and 8(b).As Quark City is a multi-use development that includes Offices, Residential, Retail and an IT/ITES Special Economic Zone (SEZ).
ii.	Orange, Green and White category of industries such as Information Technology, Business processes outsourcing, Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals and hazardous storage, etc, are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.	Agreed, Orange, Green and White category of industries are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.
iii.	Each individual industry or project will obtain mandatory permission like Consent to Establish, Consent to Operate and Hazardous Waste authorization under the pollution control laws from the Punjab Pollution Control Board.	Agreed, each industry are obtaining mentioned mandatory permission.
iv.	No water intensive industries shall be allowed to establish and plots will be allotted to those industries which will be achieve Zero liquid discharge.	Agreed, no water intensive industries are established as project includes - Offices, Residential, Retail and an IT/ITES Special Economic Zone (SEZ).
v.	High Air polluting industry like cement grinding units, induction (more than 500 kgs/heat)/Cupola furnaces/Reheating Rolling	Agreed. High air polluting industries are not establishing, as project includes - Offices, Residential, Retail and an

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	Mills, Brick kilns, Saila Plants ,etc. shall not be allowed to established..	IT/ITES Special Economic Zone (SEZ).
vi.	All DG sets shall be equipped with canopies.	Agreed
vii.	The project proponent shall provide Piezometers at the at the project site as per the CGWA guidelines. .	Agreed
viii.	The individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.	Agreed, no industry/plot owner are abstracting ground water individually. Application is being filed to PWRDA for ground water extraction.
ix.	In case of future requirement, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.	Agreed, future extraction of ground water will be done after NOC from competent authority.

B. Standard Conditions:

I. Statutory Compliance:

S. No.	Conditions	Reply
i.	The project proponent shall obtain all necessary clearance/ permission 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.	Agreed. All applicable clearances are being obtained.
ii.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	Copy of fire NOC is enclosed along as **Annexure 4.** AAI NOC is enclosed along as **Annexure 5**
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.	No forest land is involved in the project.
iv.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Agreed, Letter has been obtained from Deptt. Of Forests and Wildlife Chandigarh Administration reg distance of wildlife sanctuaries. Application has been filed for NBWL clearance
v.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981	Consent to Establish (Fresh) has been obtained from PPCB. Copy of the same is enclosed as **Annexure 6.**

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	and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	
vi.	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.	Earlier application for abstraction of groundwater has been submitted to CGWA. But, as per the latest Notification, CGWA is not processing the ground water application for Punjab. Thus, fresh application has been submitted to PWRDA for seeking permission regarding abstraction of ground water.
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.	Agreed. NOC for electricity supply from PSPCL has been obtained and enclosed as **Annexure 7**
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.	The statutory clearances have been obtained as & when required. Such as: • Approval has been obtained from Airport Authority of India; copy of the same is enclosed along as **Annexure 5.** • NOC from fire department is enclosed along as **Annexure 4.**
ix.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.	The same is being complied. A separate area is earmarked for segregation of solid waste. Biodegradable waste of existing buildings is being composted by vermicomposting, while mechanical composter has also been proposed for the future buildings
x.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	The same is being complied. Solar Power Plant of 200 KW is installed for energy conservation.
xi.	The project site shall confirm 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 to submit the NOC/land use conformity certificate from Dept. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.	The project falls in industry and warehouse zone as per Master Plan of SAS Nagar.
xii.	Besides above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice	General siting criteria of PPCB is being followed

	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/establishment to be set at project site in consonance of the project proposal for which this environment clearance applied.	Agreed.

II. Air Quality Monitoring and Preservation:

S. No.	Conditions	Reply
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 same is being complied during construction of project.
ii.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	All necessary steps are being taken to reduce the air pollution and to improve the air quality.
iii.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM_{10} and $PM_{2.5}$) 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 limit except PM_{10} & $PM_{2.5}$. Test Reports for ambient air quality monitoring are attached along as **Annexure 8.**
iv.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Agreed. 3 DG sets of 1650 KVA each are already provided for back up of existing buildings and 13 DG sets of 1250 KVA are prosed and provided with adequate stack height and low Sulphur diesel will be used.
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	The construction has been started and all necessary steps are being taken to reduce the air pollution and to improve the air quality.

	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- meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	
vi.	No Excavation of soil shall be carried out without adequate dust mitigation measure in place.	Agreed. Sand, loose soil, cement etc. stored on site is being covered adequately to prevent dust pollution.
vii.	No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.	The same is being complied
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 within the project premises to the maximum possible extent.
x.	Grinding and Cutting of building material in 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.	Water sprinkling is being done to reduce dust pollution.
xii.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.	Agreed. The construction waste will be managed as per Construction and Demolition Rules, 2016.
xiii.	The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Agreed. DG set used is of low Sulphur diesel type and confirm to EPA.

xiv.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	The same is being complied.
xv.	For indoor air quality the ventilation provisions as per National Building Code of India.	NBC has been followed during drawing approval..
xvi.	Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)	Agreed. 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 dust pollution.
xviii.	Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.	Noted.

III. Water Quality Monitoring and Preservation:

S. No.	Conditions	Reply
i.	The natural drain system should be maintained for ensuring unrestricted flow of water.	Agreed. Natural drainage is not affected due to construction of project.
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 rain water.	Noted.
iii.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted.
iv.	The total requirement for the project including the demand for swimming pool and landscaping in summer season will be 3420 KLD out of which 2551 KLD shall be met through groundwater and remaining through recycling of treated wastewater. Total	Noted. The fresh water requirement will not exceed 2551 KLD during operation

<table>
<tr><td></td><td>wastewater use shall not exceed the proposed requirement as provided in project details.</td><td>phase.</td></tr>
<tr><td>v.</td><td>a). The total wastewater generation from the project will be 2170 KLD, which will be treated in WWTP of capacity 750, 150, 32(existing) & 500 KLD (additional proposed) and STP of capacity 800,100, 150 & 48 KLD (Existing), within the project premises. However, 2127 KLD treated wastewater will be available at the outlet of STPs after considering evaporation losses. As proposed reuse of treated wastewater and discharge of surplus treated wastewater shall be as under-
<table>
<tr><th>Sr. No.</th><th>Season</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th><th>Makeup water for cooling Tower (KLD)</th><th>Sewer (KLD)</th><th>Total (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>766</td><td>249</td><td>620</td><td>492</td><td>2127</td></tr>
<tr><td>2.</td><td>Winter</td><td>766</td><td>81</td><td>0</td><td>1280</td><td>2127</td></tr>
<tr><td>3.</td><td>Rainy</td><td>766</td><td>620</td><td>620</td><td>718</td><td>2127</td></tr>
</table></td><td>The wastewater generated during operation phase will be treated in proposed STP during operation phase.</td></tr>
<tr><td></td><td>b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.</td><td>Agreed. Same is being complied.</td></tr>
<tr><td></td><td>c). During Construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilet shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluent shall be utilized for green area/plantation.</td><td>Existing STP for treatment of wastewater generated from the construction laborers.</td></tr>
<tr><td>vi.</td><td>The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.</td><td>Drinking water facility has been provided to the construction labourers.</td></tr>
<tr><td>vii.</td><td>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.</td><td>Records were maintained and submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.</td></tr>
<tr><td>viii.</td><td>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</td><td>The same is being complied.</td></tr>
</table>

<table>
<tr><td></td><td>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.</td><td></td></tr>
<tr><td>ix.</td><td>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.</td><td>Agreed</td></tr>
<tr><td>x.</td><td>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.</td><td>Agreed. The dual plumbing system is provided for reuse of treated wastewater for flushing as well as green area.</td></tr>
<tr><td>xi.</td><td>The respective project proponent shall discourage the installation of R.O. plants in their project 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 common place in the project premises.</td><td>The same is being complied.</td></tr>
<tr><td>xii.</td><td>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 make it a part of the environmental management plan/building plan so as to reduce the water consumption/ ground water abstraction in their Building Construction & Industrial projects.</td><td>Low water consuming fixtures is provided in the project.</td></tr>
<tr><td>xiii.</td><td>The project proponent will provide plumbing system for reuse of treated wastewater for flushing/HVAC/other purposes etc, and color coding of different pipelines carrying water/wastewater from different sources/treated wastewater as follows;
<table>
<tr><th>Sr. No.</th><th>Nature of the Stream</th><th>Color code</th></tr>
<tr><td>a)</td><td>Fresh water</td><td>Blue</td></tr>
<tr><td>b)</td><td>Untreated wastewater from toilets/urinal & from kitchen</td><td>Black</td></tr>
<tr><td>c)</td><td>Untreated wastewater from Bathing /shower area, hand washing (washbasin/sinks) and from cloth washing.</td><td>Grey</td></tr>
<tr><td>d)</td><td>Reject water stream from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the</td><td>White</td></tr>
</table></td><td>Dual plumbing system is being followed in the project and different colour coding has been done on the pipelines.</td></tr>
</table>

		project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.		
	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.			Agreed. Curing agents as well as other best practices will be used during construction work for reducing water demand.
xv.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built- up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.			Agreed. 1 nos. of rainwater recharging pits has been constructed within the LMP Plaza/F3 building for groundwater recharging.
xvi.	All recharge should be limited to shallow aquifer.			Agreed
xvii.	No ground water shall be used during construction phase of the project. Only treated sewage water / Wastewater shall be used. A proper record in this regard should be maintained an available at site.			Treated water from existing STP of our project namely "Quark City" is being used during construction phase and proper records are being maintained.
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.
xix.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Six Monthly Monitoring reports.			Agreed. Records is being maintained.
xx.	Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module			Wastewater generated during operation phase

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	system designed in such a way so as to efficiently treat the waste water with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.	is being treated in existing STP and treated water is recycled for flushing, landscaping, etc.
xxi.	No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted	No sewage or untreated effluent water is being discharged through storm water drains. Wastewater generated from operation phase is being treated in proposed STP and treated water is recycled for flushing, landscaping, etc.
xxii.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.	Treated sewage is being monitored.
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 (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Sludge generated from STP is being utilized as manure within the project premises only.
xxiv.	Softener shall be installed for treated waste water to make it fit (TDS <10mg/l) for HVAC cooling and the cost of the same will be included in the Environment Management Plan.	The same is being complied.
xxv.	The waste water generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC, etc.	The same is being complied

IV. Noise Monitoring and Prevention:

S. No.	Conditions	Reply
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 noise levels are being regularly monitored. Recent test report is enclosed as **Annexure-8.** Further, adequate measures are being made to reduce ambient air & noise

	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.	level
ii.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Ambient noise levels are being regularly monitored. Recent test report is enclosed as **Annexure-8.**
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.

V. Energy Conservation Measures:

S. No.	Conditions	Reply
i.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.	The same is being complied.
ii.	Outdoor and common area lighting shall be LED.	LED lighting is being done 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.	The same is being complied.
iv.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	LED lighting is being done.
v.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation	The same is being complied.

	equivalent to 1% of the demand load or as per the state level/ local building bye-law's requirement, whichever is higher.	
vi.	Solar power 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 water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	Agreed. Solar lights is being provided within the project for illumination of common areas. Also, solar panels have been proposed on the roof top of the towers.
vii.	As proposed, a solar plant of capacity 200 KW, shall be installed on the rooftop, within 12 months, Also, solar lights in common area will be installed for external lightening within a month time.	Solar plant of capacity 200 KW, shall be installed on the rooftop. Photographs showing the same is attached as **Annexure 3.**

VI. Waste Management:

S. No.	Conditions	Reply
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.	A separate area is earmarked for segregation of solid waste. Biodegradable waste of existing buildings is being composted by vermicomposting, while mechanical composter has also been proposed for the future buildings.
ii.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed 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 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.	Agreed. Separate wet and dry bins are provided for segregation of solid waste during operation phase.
iv.	Bio methanation plant of minimum capacity of 4,000 kg/day to treat biodegradable waste must	Bio Methanation is provided for treatment of biodegradable waste.

	be installed. As propose, an amount of 1.4 crore shall be kept in the Environment Management Plan for the same.	
v.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Agreed. The same is being complied.
vi.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Only hazardous waste in the form of used oil will be generated which is being disposed off to authorized vendors. Hazardous waste authorization is attached as **Annexure 10**.
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.	Agreed. Fly ash bricks and fly ash based cement is used in the project.
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.	Agreed. 684.37 Tons of Fly ash based cement is being used for construction purpose to the maximum extent possible.
ix.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	The construction waste is being managed as per 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	Agreed. Used CFL lights is being disposed off as per E-Waste Management Rules, 2016.

Quarkcity India Pvt. Ltd. MOHALI

VII. Green Cover:

S. No.	Conditions	Reply
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 involved in the project. Thus, permission is not required.
ii.	Minimum 5000 trees will be planted and maintained in the project site. Also, the green area of 45,200 sqm, (i.e more than the permissible green area requirement) shall be maintained on the designated sites and along the roadsides. 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 same is being complied.
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.	No tree cutting is involved in the project.
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.	Yes, the top soil excavated during construction activities is being used for landscaping within the project premises to the maximum possible extent.
v.	The project proponent shall not use any chemical fertilizer/pesticides/insecticides and shall use only Herbal pesticides/insecticides	No chemical fertilizer or pesticides is being used in the green area

	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 standard prescribed for residential land use	Proper green belt is being maintained.

VIII. Transport:

S. No.	Conditions	Reply
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.	Agreed. The same is being complied.
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; valid PUCs are attached as **Annexure 9**
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	Agreed. The same is being complied.

	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 avoided. Parking should be fully internalized and no public space should be utilized.	Adequate parking area is being made available for the vehicles within the project premises. No traffic congestion will take place.

IX. Human Health Issues:

S. No.	Conditions	Reply
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.	Personal Protection Equipment (PPE) are being provided to workers for safety.
ii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Agreed. NBC is being followed for ventilation provision.
iii.	Emergency preparedness plan based on the Hazard identification.	Agreed.
iv.	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All necessary facilities like housing, fuel for cooking, medical checkup, mobile toilets etc. are being provided to labors at project site.
v.	Occupational health surveillance of the workers shall be done on a regular basis.	Agreed. Regular health check-up of the workers is being done.
vi.	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 and operation phase 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	CER amount is being spent during later construction phase of the project. Amount of Rs 1,11,05,548/- has been spent on

	Responsibility. The project proponent shall adhere to the commitments made in the proposal for Rs. 375 Lakhs on CER activities.	CER activities till 31.03.2022. Photographs showing same is attached as **Annexure 3**.
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 and / or share holders / 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.	Environment policy is being framed.
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Environmental Cell both at the project and company head quarter level is formed.
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 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	Expenditure done on environmental management plan till 31.03.2022 is Rs. 225 crores

Quarkcity India Pvt. Ltd. MOHALI

	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.	Environmental Clearance is valid for eight years of time including covid extension for one year i.e. till 4.11.2028.

X. Miscellaneous:

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 the SEIAA, Punjab.	The completion certificate is obtained prior to occupancy of the project.
ii.	The project proponent shall comply with the conditions of CLU	Agreed
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.
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 has already been submitted to the heads of local bodies.
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	Environmental Clearance letter as well as previous compliance including test results has been uploaded on the company's

	same on half-yearly basis.	website.
vi	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance portal.	Agreed.
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.	Agreed.
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.	Agreed. Stipulations made by the State Pollution Control Board and the State Government are being strictly followed.
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	The commitments made during the time of EC are being followed.
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).	Agreed.
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.	Agreed.
xiii.	The SEIAA/ Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xiv.	The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound	Agreed.

Annexure:1

No. J.12011/60/2005-IA (CIE)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi-110003.

Dated: 11th April 2007

Shri Parminder Singh Sehgal,
Managing Director,
M/s.Quark City India Pvt Ltd
A-40A, Industrial Area,
Phase VIII Extension, SAS Nagar
Mohali, Punjab.

Subject:- Construction of Infrastructure/Sector Specific SEZ for Electronic, Software Development and IT enabled Industry at District Ropar (Mohali), Punjab by M/s Quarkcity India Private Ltd. - Environmental Clearance-regarding.

Sir,

This has reference to your application No:QC/PROJECT/2006/170 dated 28th November 2005 and subsequent letter dated 30th January 2006 seeking prior environmental clearance for the above project under the EIA Notification, 1994. The proposal has been appraised as per prescribed procedure in the lights of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Committee constituted by the competent authority in its meetings held on 13th January 2006, 17-18 February 2006

2 It is interalia, noted that M/s Quarkcity India Pvt Ltd will develop land to create an Information Technology and Knowledge Based (IT&KB) Industry Park/ Special Economic Zone by constructing multi-storey buildings for housing, offices, commercial space and activities related to human living. The total area proposed for the project is 51.43 acres and covered area allowed 102.68 acres. Total water requirement is about 2910 m³/day and about 1207.5 to 1288 m³/day domestic sewerage will be generated. Total full load electricity required is 30 MW. Punjab Pollution Control Board has given NOC to construct the proposed SEZ project vide letter No:EE(P)/RPN/2006/120/8110 dated 14.07.2006. The total cost of the project is Rs.11.66 Billion including land cost of Rs.90.2 million, construction cost of Rs.10.55 billion, Plant & Machinery cost Rs.200 million.

3. The Expert Committee after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have accorded environmental clearance as per the provisions of Environmental Impact Assessment Notification – 1994 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows.

PART A- SPECIFIC CONDITIONS

I. Construction Phase

i) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase

ii) A First Aid Room will be provided in the project both during construction and operation of the project.

iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

iv) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

v) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.

vi) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to E(P) Rules prescribed for air and noise emission standards.

vii) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

viii) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.

ix) Ready mixed concrete must be used in building construction.

x) Storm water control and its re-use as per CGWB and BIS standards for various applications

xi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xii) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.

xiii) Treatment of 100% grey water by decentralised treatment should be done.

xiv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

xv) Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality double glass with special reflective coating in windows.

xvi) Roof should meet prescriptive requirement as per draft Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.

xvii) Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits

xviii) Opaque wall should meet prescriptive requirement as per draft Energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

II. Operation Phase

i) The installation of the 200 KLD Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms & standards of the Karnataka State Pollution Control Board.

ii) Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.

iii) The solid waste generated should be properly collected & segregated before disposal to the City Municipal Facility. The In-vessel bio-conversion technique should be used for composting the organic waste.

iv) Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Karnataka State Pollution Control Board.

v) The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential landuse. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.

vi) Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.

vii) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments should be provided.

viii) 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) A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.

PART – B. GENERAL CONDITIONS

i) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.

ii) Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office Bangalore.

4. Officials from the Regional Office of MOEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bangalore.

5. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

6. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, etc. shall be obtained, as applicable by project proponents from the competent authorities.

8. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Karnataka State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.

9. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

10. Further, it is added that the Environmental Clearance recommended to the project is subject to the specific condition that :

(i) The total fresh water requirement has been recalculated and has now reduced to 1610 cubic m/d from the original 2250 cubic m/d based on the revised figure of 135 LPCD and other water conservation measures.

(ii) There is a net drawl of about 400 cubic m/d of ground water, which can be reduced further by optimizing the requirement for air-conditioning. Committee advised the proponent to explore the possibilities in this regard and to furnish NOC from Central Ground Water Board for drawl of the aforesaid quantity of ground water for this project.

(iii) It was also clarified that adequate storm water drainage had been provided on three sides of the plot and the outfall drain emptied into a rivulet running in south-west director, 0.5 km west of the site. It was explained that the incremental run off was not significant.

(iv) With respect to hazardous waste, Committee specifically suggested the proponent to make an agreement with TSDF to be set up by State Government.

(v) Committee also noted that the traffic management plan for proper regulation of traffic flow has been approved by the State Transport Department.

(vi) Regarding energy consumption and its conservation aspects, Committee advised the proponent to follow ECBC norms for industrial as well as residential buildings.

The same must be submitted to the Ministry within one month and in any case before starting any construction work.

11. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority (if applicable).

12. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

(Bharat Bhushan)
Director (IA)
bbhushan_98@yahoo.com
Tel. 24360735

11.04.2008

Copy to: -

1. The Secretary, Department of Environment, Government of Punjab, Chandigarh

2 The Member Secretary, Punjab Pollution Control Board, Chandigarh.
3 The CCF, Regional Office, Ministry of Environment & Forests(NZ), Bays No.24-25, Sector 31-A, Dakshin Marg, Chandigarh – 160 030.
4. IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
5. Guard file

(Bharat Bhushan)
Director (IA)

Item No. 174.07

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forest & Climate Change, Government of India
O/o Directorate of Environment & Climate Change
MGSIPA Complex, Sector 26,
Chandigarh-160019
seiaapb2017@gmail.com

No. SEIAA/M.S./2020/3435 **Registered/E-mail** **Date:** 05/11/2020

To

Sh. Rajesh Sharma, (Coo),
M/s QuarkCity India Pvt. Ltd,
A-40A, Focal Point Industrial Area,
Phase VIIIB, Mohali (Punjab),
rsharma@quarkcity.com, Mobile No. 98729-10352

Subject: Environmental Clearance under EIA notification dated 14.09.2006 for establishment of the project namely "QuarkCity" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali (Punjab) by M/s QuarkCity India Pvt. Ltd. (Proposal No. SIA/PB/MIS/31373/2017).

This is in reference to your online Proposal No. SIA/PB/MIS/31373/2017 for obtaining Environmental Clearance under the EIA notification dated 14.09.2006 for establishment of the project namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali (Punjab) by M/s Quark City India Pvt. Ltd. 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, 1A, EIA Report and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project are as under: -

S.No.	Particulars	Details
1)	Name & Location of the project	"QuarkCity" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali (Punjab)
	Nature of project	Expansion
	Activity as per schedule appended to EIA Notification, 2006.	8(b): Township and Area Development Projects
	Category as per EIA Notification, 2006	Category B1
2)	Total Cost of the project	Rs. 1500 Crores

<table>
<tr><td>3)</td><td>Total Plot Area, Built-up Area, and Green area</td><td>
<table>
<tr><td>Sr.No.</td><td>Description</td><td>Area</td></tr>
<tr><td>1.</td><td>Plot area</td><td>207602.123 sq.m. (or 51.30 acres)</td></tr>
<tr><td>2.</td><td>Built-up area</td><td>7,47,088.902 sq.m</td></tr>
<tr><td>3.</td><td>Green area</td><td>45,200 sq.m</td></tr>
</table>
</td></tr>
<tr><td>4)</td><td>Land use pattern as per the master plan</td><td>The project site falls in Industry and Warehouse Zone as per Master Plan of SAS Nagar.</td></tr>
<tr><td>5)</td><td>Population (when fully operational)</td><td>Total:38852; (Residential: 4990 and Floating: 33862)</td></tr>
<tr><td>6)</td><td>Water Requirement & source during Operation Phase</td><td>
<table>
<tr><td>Break up of water requirement</td><td>Source</td></tr>
<tr><td>Fresh Water: 1785 KLD
Flushing Water:766 KLD</td><td>Groundwater
Treated wastewater from STP and WWTP</td></tr>
</table>
</td></tr>
<tr><td>7)</td><td>Disposal Arrangement of Wastewater in Operation Phase</td><td>Total wastewater generated will be 2170 KLD out of which 1404 KLD (grey water) will be treated in WWTP of existing 750, 150 & 32 KLD capacity and Proposed 500 KLD capacity and remaining wastewater 766 KLD (black water which includes 572 KLD existing wastewater generation) will be treated in existing STPs of 800 KLD, 100 KLD , 150 KLD and 48 KLD
Reuse of treated wastewater available at outlet of STP of 2127 KLD after considering evaporation losses @ 2% in 2170 KLD and discharge of surplus treated wastewater is given as under:
<table>
<tr><th>Season</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th><th>Make up water for HVAC cooling tower</th><th>Sewer (KLD)</th><th>Total (KLD)</th></tr>
<tr><td>Summer</td><td>766</td><td>249</td><td>620</td><td>492</td><td>2127</td></tr>
<tr><td>Winter</td><td>766</td><td>81</td><td>0</td><td>1280</td><td>2127</td></tr>
<tr><td>Monsoon</td><td>766</td><td>23</td><td>620</td><td>718</td><td>2127</td></tr>
</table>
</td></tr>
<tr><td>8)</td><td>Rainwater recharging detail</td><td>6433.1 m^3/hr of rainwater will be collected in 6 existing & 7 proposed rainwater recharging pits. Hence, total of 13 recharging pits shall be provided.</td></tr>
<tr><td>9)</td><td>Parking proposed</td><td>8025 ECS</td></tr>
<tr><td>10)</td><td>Solid waste generation and its disposal</td><td>a) 8,769 kg/day
b) Solid waste is being duly segregated (at source by providing bins) into Bio- degradable, non-biodegradable components and hazardous waste.
c) A separate area is earmarked for the segregation of solid waste.</td></tr>
</table>

		d) Biodegradable waste of existing buildings is being composted by vermicomposting, while mechanical composter has also been proposed for the future buildings. Bio-methanation plant of 4,000 kg/day will also be looked into in order to process the bio-degradable solid waste generated from the project. e) A shed area of total 678.74 square feet, sufficient to accommodate four vermi beds about 20'.4" x 5'.10" x 3'.3", 24'.9" x 7'.6" x 3'.3", 20'.0" x 7'.6" x 3'.3" & 20'.4" x 6'.0" x3'.3" has been provided. f) Non-biodegradable or dry waste is being handed over to authorized waste pickers g) g) Domestic hazardous waste is being disposed off to authorized vendors as per Solid Waste Management Rules, 2016.
11)	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 Rules2018.
12)	Energy Requirements & Saving	a) 30 MW from PSPCL. b) Total 3 DG Sets of 1650 KVA each are already provided for backup of existing buildings and 13 DG Sets of 1250 KVA each are proposed for future buildings for emergency purposes. **Energy Saving measures:** Solar panel with power generation capacity of 200 KW will be installed on the rooftop area @ 18,730 sqm of the building, within 12 months.

The case was considered by the SEAC in its 188th 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 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 174th meeting held on 31.10.2020. 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 expansion of Integrated Township namely "Quark City" having a built-up area of 7,47,088.902 sqm in total land area of 207602.123 sqm (or 51.30 acres) located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali (Punjab) 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 with the conditions as recommended by SEAC & certain amendments therein & agreed by the project proponent:

Accordingly, SEIAA, Punjab hereby accords Environmental Clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to proposed measures and strict compliance of terms and conditions as follows:

Special conditions

i) No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time) shall be allowed to established except category under 8 (a) and 8(b) in Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali. However, other industries (not covered in the EIA notification, 2006), although categorized as Orange, Green and White as per the PPCB classification are allowed to be established.

ii) Orange, Green and White category of industries such as Information Technology, Business processes outsourcing, Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals and hazardous storage, etc., are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.

iii) Each individual industry or project will obtain mandatory permissions like Consent to Establish, Consent to Operate and Hazardous Waste authorization under the pollution control laws from the Punjab Pollution Control Board.

iv) No water-intensive industries shall be allowed to establish and plots will be allotted to those Industries which will achieve Zero Liquid Discharge.

v) High Air Polluting industry like cement grinding units, Induction (more than 500 kgs/ heat)/ Cupola furnaces/ Reheating Rolling Mills, Brick Kilns, Saila Plants, etc. shall not be allowed to established.

vi) All DG sets shall be equipped with canopies.

vii) The project proponent shall provide Piezometers at the project site as per the CGWA guidelines.

viii) The individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.

ix) In case of future requirements, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.

Statutory compliance:

i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.

iii) The project proponent shall obtain forest clearance under the provisions of the 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 the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.

vi) The project proponent shall obtain the necessary permission for drawl of ground water/ 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 Bureau of Energy Efficiency, Ministry of Power strictly.

xi) The project site shall confirm 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 to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom 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 project site in consonance of 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 ambient air quality at the site.

iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.

iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State 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, murram 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 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 earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xv) For indoor air quality the ventilation provisions as per National Building Code of India.

xvi) Roads leading to or at 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 measure be notified at the site.

III. Water quality monitoring and preservation

i) The natural drain system should be maintained for ensuring 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 rain water.

iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

iv) The total water requirement for the project including the demand for swimming pool and landscaping in the summer season will be 3420 KLD, out of which 2551 KLD shall be met through groundwater and remaining through 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 2170 KLD, which will be treated in WWTP of capacity 750, 150, 32 (existing) & 500 KLD (additional proposed) and STP of capacity 800, 100, 150 & 48 KLD (Existing), within the project premises. However, 2127 KLD treated wastewater will be available at the outlet of STPs after considering evaporation losses. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as under: -

Sr. No.	Season	Flushing (KLD)	Green Area (KLD)	Make up water for cooling Tower (KLD)	Sewer (KLD)	Total (KLD)
1.	Summer	766	249	620	492	2127
2.	Winter	766	81	0	1280	2127
3.	Rainy	766	23	620	718	2127

b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.

c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide

proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation

vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.

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.

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.

ix) At least 20% of the open spaces as required by the local building bye-Jaws 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 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/ground water 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 pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No.	Nature of the Stream	Color 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, 13 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.

xvi) All recharge should be limited to shallow aquifer.

xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.

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.

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.

xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the 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% waste water to be installed. The installation of the Sewage Treatment Plant (STP)

shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the 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 as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

xxiv) Softener shall be installed for treated wastewater to make it fit (TDS < 10 mg/l) for HVAC cooling and the cost of the same will be included in the Environment Management Plan.

xxv) The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC, etc

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 as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer 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 implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

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 the 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 other Renewable Energy shall be installed to meet electricity generation equivalent to 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 roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

vii) As proposed, a solar plant of capacity 200 KW, shall be installed on the rooftop of the building, within 12 months. Also, solar lights in the common area will be installed for external lightening within a month time.

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 neighboring communities and be disposed 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) Bio methanation Plant of minimum capacity of 4,000 kg/day to treat biodegradable waste must be installed. As proposed, an amount of Rs 1.4 Crores shall be kept in the Environment Management Plan for the same.

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 off 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 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 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).

ii) Minimum 5000 trees will be planted and maintained in the project site. Also, the Green area of 45,200 sqm. (i.e. more than the permissible green area requirement) shall be maintained on the designated sites and along the roadsides. 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.

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 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.

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 spending Rs. 375 Lakhs on CER activities mentioned as per details given below:

S. No.	Activities	Time plan							Total expenditure (in 7 years)
		1	2	3	4	5	6	7	

1.	Adoption of Village Badi Naggal								
	• Setting up of sewerage system.	35	30	20	-	-	-	-	85
	• Construction & maintenance of Village road	-	-	-	-	35	-	-	35
	• Maintenance of school building.	-	-	-	-	-	-	25	25
	• Digging of borewell and providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Installation of solar panel on the govt. buildings in the village	-	-	-	-	-	25	-	25
	• 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.	-	-	-	35	-	-	-	35
2.	Adoption of Village Choti Naggal								
	• Setting up of sewerage system.	-	35	10	-	-	-	-	45
	• Providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board.	-	-	35	-	-	-	-	35
3.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Padol	-	-	-	-	35	-	-	35
4.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Mullanpur	-	-	-	-	-	35	-	35

	Total amount to be spent on CER	35	65	65	35	70	60	45	375

*Note: - The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

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 and / or 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 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 accounts and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 3385 Lacs towards the capital cost in the construction phase of the project including the environmental monitoring cost and shall spend a minimum amount of Rs 41 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 the SEIAA, Punjab.

ii) The project proponent shall comply with the conditions of CLU.

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 MoEFCC/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.

xi) No further expansion or modifications in the plant 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 Baord shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office 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.

Special conditions

i) No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time) shall be allowed to established except category under 8 (a) and 8(b) in Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali. However, other industries (not covered in the EIA notification, 2006), although categorized as Orange, Green and White as per the PPCB classification are allowed to be established.

ii) Orange, Green and White category of industries such as Information Technology, Business processes outsourcing, Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals and hazardous storage, etc., are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.

iii) Each individual industry or project will obtain mandatory permissions like Consent to Establish, Consent to Operate and Hazardous Waste authorization under the pollution control laws from the Punjab Pollution Control Board.

iv) No water-intensive industries shall be allowed to establish and plots will be allotted to those Industries which will achieve Zero Liquid Discharge.

v) High Air Polluting industry like cement grinding units, Induction (more than 500 kgs/ heat)/ Cupola furnaces/ Reheating Rolling Mills, Brick Kilns, Saila Plants, etc. shall not be allowed to established.

vi) All DG sets shall be equipped with canopies.

vii) The project proponent shall provide Piezometers at the project site as per the CGWA guidelines.

viii) The individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.

ix) In case of future requirements, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.

Member Secretary

Endst. No. 3436 -3444 **E-mail** **Date** 05/11/2020

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, 6th 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. Sh. Rajesh Sharma, Chief Operating Officer
   b) Phone Number : 98729-10352
   c) Email Id : rsharma@quarkcity.com

9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110003.

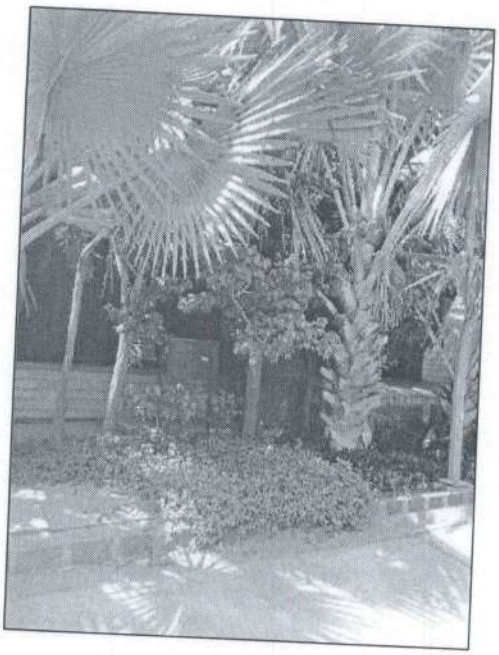
Member Secretary

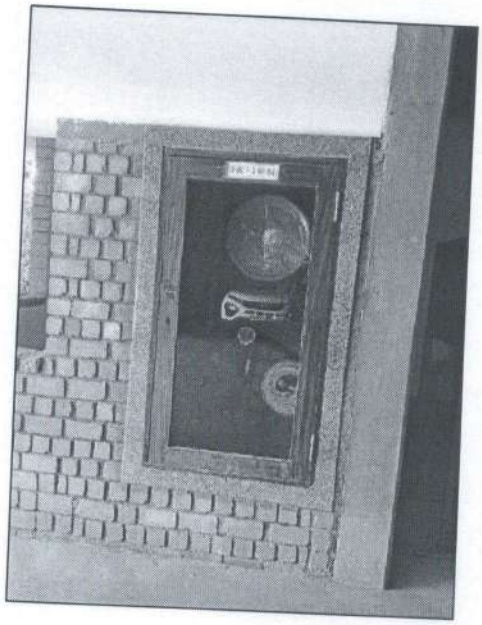
Annexure 3

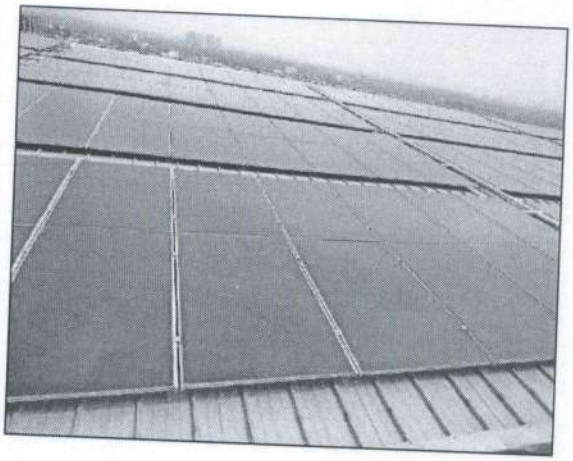
SITE PHOTOGRAPHS

SITE PHOTOGRAPHS

SITE PHOTOGRAPHS







SITE PHOTOGRAPHS

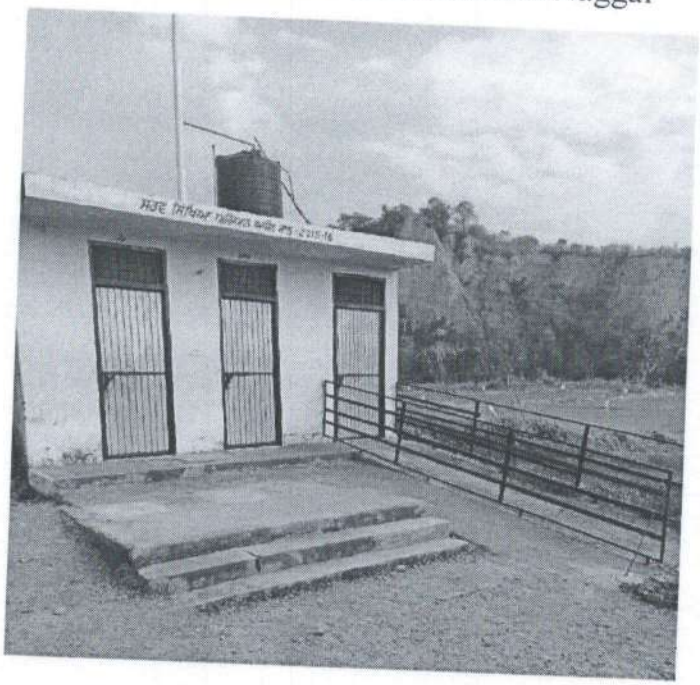
PHOTOGRAPHS SHOWING CER ACTIVITIES IN CHOTTI BADI NAGGAL

Community center in Chotti Badi Naggal

Bridge constructed in Chotti Badi Naggal

SITE PHOTOGRAPHS

School constructed in Chotti Badi Naggal



Toilets constructed in Chotti Badi Naggal

Punjab Fire Services
(Mohali MC)

FIRE SAFETY CERTIFICATE
ਫਾਇਰ ਸੈਫਟੀ ਪ੍ਰਮਾਣ ਪੱਤਰ

NOC No **2004-39463-Fire/27983** NOC Type: **Renew** Dated **22-Jul-2021**

Certified that the **LAND MARK PLAZA** at **A-40A INDUSTRIAL FOCAL POINT PHASE-8 EXTN MOHALI PB.** comprised of **3** basements and **15** (Upper floor) owned/occupied by **QUARKCITY INDIA PVT LTD** have compiled with the fire prevention and fire safety requirements of National Building Code and verified by the officer concerned of fire service on **22-Jul-2021** in the presence of **VIRENDER CHAUHAN** (Name of the owner or his representative) and that the building / premises is fit for occupancy group **Business Building-E** subdivision **Part-5** (As per NBC) for period of **one year** from issue date. Subject to the following conditions.

Issued on **22-Jul-2021** at **Mohali MC**

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ **LAND MARK PLAZA** ਜੋ ਕਿ **A-40A INDUSTRIAL FOCAL POINT PHASE-8 EXTN MOHALI PB.** ਸਮੇਤ **3** ਬੇਸਮੈਂਟ ਅਤੇ **15** (ਉੱਪਰਲੀ ਮੰਜ਼ਿਲ) ਮਲਕੀਅਤ/ਕਾਬਜ਼ਦਾਰ **QUARKCITY INDIA PVT LTD** ਨੂੰ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਪ੍ਰਭਾਵੀ ਅਤੇ ਬਚਾਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਅਨੁਸਾਰ ਜਿਸ ਨੂੰ ਸਬੰਧਤ ਅੱਗ ਬੁਝਾਉ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਗਿਆ **22-Jul-2021** ਮੌਜੂਦਗੀ ਵਿੱਚ **VIRENDER CHAUHAN** (ਮਾਲਕ ਦਾ ਨਾਮ ਜਾਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ) ਅਤੇ ਇਮਾਰਤ / ਬਿਲਡਿੰਗ ਆਬਾਦੀ ਲਈ ਯੋਗ ਹੈ। Occupancy Group **Business Building-E** subdivision **Part-5** (ਐਨ. ਬੀ. ਸੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ ਪ੍ਰਭਾਵੀ ਸਮੇਂ ਤੋਂ **ਇੱਕ ਸਾਲ** ਤੱਕ। ਜਿਸ ਲਈ ਨਿਮਨ ਅਨੁਸਾਰ ਹਦਾਇਤਾਂ ਹਨ।

ਜਾਰੀ ਕਰਨ ਦੀ ਮਿਤੀ **22-Jul-2021** ਕਿੱਥੇ **Mohali MC** .

1. Fire Safety arrangements shall be kept in working condition at all the times.
   ਹਰ ਸਮੇਂ ਅੱਗ ਤੋਂ ਬਚਾਅ ਦੇ ਯੰਤਰਾਂ ਨੂੰ ਚਾਲੂ /ਚੰਗੀ ਹਾਲਤ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇ।

2. No, alteration/ addition/ change in use of occupancy is allowed.
   ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੇ ਬਦਲਾਅ/ ਵਾਧੇ/ ਕਾਬਜਕਾਰ ਵਿੱਚ ਬਦਲਾਵ ਦੀ ਮਨਾਹੀ ਹੈ।

3. Occupants/ owner should have trained staff to operate the operation of fire safety system provided there in.

   ਉਪਲੱਬਧ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਯੰਤਰਾਂ ਦੀ ਵਰਤੋਂ ਤੋਂ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ / ਮਾਲਕਾਂ ਨੂੰ ਜਾਣੂੰ ਕਰਵਾਇਆ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।

4. Fire Officer can check the arrangements of fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.

   ਫਾਇਰ ਬ੍ਰਿਗੇਡ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ ਸਕਦਾ ਹੈ, ਜੇ ਕਰ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਤਾਂ ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਦੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।

5. Occupants/ owner should apply for renewal of fire safety certificate one month prior to expiry of this certificate.

   ਮਾਲਕ ਜਾਰੀ ਕੀਤੇ ਗਏ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਦੀ ਮਿਤੀ ਖਤਮ ਹੋਣ ਤੋਂ ਇੱਕ ਮਹੀਨਾ ਪਹਿਲਾਂ ਰੀਨੀਊ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।

Punjab Fire Services
(Mohali MC)

FIRE SAFETY CERTIFICATE
ਫਾਇਰ ਸੇਫਟੀ ਪ੍ਰਮਾਣ ਪੱਤਰ

NOC No **2004-39309-Fire/27982** NOC Type: **Renew** Dated **22-Jul-2021**

Certified that the **THE ATRIUM** at **QUARKCITY INDIA PVT LTD A-45 INDUSTRIAL FOCAL POINT PHASE-8 B MOHALI PUNJAB** comprised of **1** basements and **4** (Upper floor) owned/occupied by **QUARKCITY INDIA PVT LTD** have compiled with the fire prevention and fire safety requirements of National Building Code and verified by the officer concerned of fire service on **22-Jul-2021** in the presence of **VIRENDER CHAUHAN** (Name of the owner or his representative) and that the building / premises is fit for occupancy group **Business Building-E** subdivision **Part-2** (As per NBC) for period of **one year** from issue date. Subject to the following conditions.

Issued on **22-Jul-2021** at **Mohali MC**

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ **THE ATRIUM** ਜੋ ਕਿ **QUARKCITY INDIA PVT LTD A-45 INDUSTRIAL FOCAL POINT PHASE-8 B MOHALI PUNJAB** ਸਮੇਤ **1** ਬੇਸਮੈਂਟ ਅਤੇ **4** (ਉੱਪਰਲੀ ਮੰਜ਼ਿਲ) ਮਲਕੀਅਤ/ ਕਾਬਜ਼ਦਾਰ **QUARKCITY INDIA PVT LTD** ਨੂੰ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਪ੍ਰਭਾਵੀ ਅਤੇ ਬਚਾਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਅਨੁਸਾਰ ਜਿਸ ਨੂੰ ਸਬੰਧਤ ਅੱਗ ਬੁਝਾਊ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਗਿਆ **22-Jul-2021** ਮੌਜੂਦਗੀ ਵਿੱਚ **VIRENDER CHAUHAN** (ਮਾਲਕ ਦਾ ਨਾਮ ਜਾਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ) ਅਤੇ ਇਮਾਰਤ / ਬਿਲਡਿੰਗ ਆਬਾਦੀ ਲਈ ਯੋਗ ਹੈ। Occupancy Group **Business Building-E** subdivision **Part-2** (ਐਨ. ਬੀ. ਸੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ ਪ੍ਰਭਾਵੀ ਸਮੇਂ ਤੋਂ **ਇੱਕ ਸਾਲ** ਤੱਕ। ਜਿਸ ਲਈ ਨਿਮਨ ਅਨੁਸਾਰ ਹਦਾਇਤਾਂ ਹਨ।

ਜਾਰੀ ਕਰਨ ਦੀ ਮਿਤੀ **22-Jul-2021** ਕਿੱਥੇ **Mohali MC** .

1. Fire Safety arrangements shall be kept in working condition at all the times.
   ਹਰ ਸਮੇਂ ਅੱਗ ਤੋਂ ਬਚਾਅ ਦੇ ਯੰਤਰਾਂ ਨੂੰ ਚਾਲੂ /ਚੰਗੀ ਹਾਲਤ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇ।
2. No, alteration/ addition/ change in use of occupancy is allowed.
   ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੇ ਬਦਲਾਅ/ ਵਾਧੇ/ ਕਾਬਜਕਾਰ ਵਿੱਚ ਬਦਲਾਵ ਦੀ ਮਨਾਹੀ ਹੈ।
3. Occupants/ owner should have trained staff to operate the operation of fire safety system provided there in.

   ਉਪਲੱਬਧ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਯੰਤਰਾਂ ਦੀ ਵਰਤੋਂ ਤੋਂ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ / ਮਾਲਕਾਂ ਨੂੰ ਜਾਣੂੰ ਕਰਵਾਇਆ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।
4. Fire Officer can check the arrangements of fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.

   ਫਾਇਰ ਬ੍ਰਿਗੇਡ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ ਸਕਦਾ ਹੈ, ਜੇ ਕਰ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਤਾਂ ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਦੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।
5. Occupants/ owner should apply for renewal of fire safety certificate one month prior to expiry of this certificate.

   ਮਾਲਕ ਜਾਰੀ ਕੀਤੇ ਗਏ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਦੀ ਮਿਤੀ ਖਤਮ ਹੋਣ ਤੋਂ ਇੱਕ ਮਹੀਨਾ ਪਹਿਲਾਂ ਰੀਨੀਊ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।

* Above Details cannot be used as ownership proof.

Punjab Fire Services
(Mohali MC)

FIRE SAFETY CERTIFICATE
ਫਾਇਰ ਸੇਫਟੀ ਪ੍ਰਮਾਣ ਪੱਤਰ

NOC No **2004-39466-Fire/27985** NOC Type: **Renew** Dated **22-Jul-2021**

Certified that the **VILLA VERDE** at **QUARKCITY INDIA PVT LTD A-45 INDUSTRIAL FOCL POINT PHASE 8 B MOHALI PUNJAB** comprised of **3** basements and **18** (Upper floor) owned/occupied by **QUARKCITY INDIA PVT LTD** have compiled with the fire prevention and fire safety requirements of National Building Code and verified by the officer concerned of fire service on **22-Jul-2021** in the presence of **VIRENDER CHAUHAN** (Name of the owner or his representative) and that the building / premises is fit for occupancy group **Residential Building-A4** subdivision **Group-5** (As per NBC) for period of **one year** from issue date. Subject to the following conditions.

Issued on **22-Jul-2021** at **Mohali MC**

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ **VILLA VERDE** ਜੋ ਕਿ **QUARKCITY INDIA PVT LTD A-45 INDUSTRIAL FOCL POINT PHASE 8 B MOHALI PUNJAB** ਸਮੇਤ **3** ਬੇਸਮੈਂਟ ਅਤੇ **18** (ਉੱਪਰਲੀ ਮੰਜ਼ਿਲ) ਮਲਕੀਅਤ/ ਕਾਬਜ਼ਦਾਰ **QUARKCITY INDIA PVT LTD** ਨੂੰ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਪ੍ਰਭਾਵੀ ਅਤੇ ਬਚਾਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਅਨੁਸਾਰ ਜਿਸ ਨੂੰ ਸਬੰਧਤ ਅੱਗ ਬੁਝਾਊ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਗਿਆ **22-Jul-2021** ਮੌਜੂਦਗੀ ਵਿੱਚ **VIRENDER CHAUHAN** (ਮਾਲਕ ਦਾ ਨਾਮ ਜਾਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ) ਅਤੇ ਇਮਾਰਤ / ਬਿਲਡਿੰਗ ਆਬਾਦੀ ਲਈ ਯੋਗ ਹੈ। Occupancy Group **Residential Building-A4** subdivision **Group-5** (ਐਨ. ਬੀ. ਸੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ ਪ੍ਰਭਾਵੀ ਸਮੇਂ ਤੋਂ **ਇੱਕ ਸਾਲ** ਤੱਕ। ਜਿਸ ਲਈ ਨਿਮਨ ਅਨੁਸਾਰ ਹਦਾਇਤਾਂ ਹਨ।

ਜਾਰੀ ਕਰਨ ਦੀ ਮਿਤੀ **22-Jul-2021** ਕਿੱਥੇ **Mohali MC** .

1. Fire Safety arrangements shall be kept in working condition at all the times.
   ਹਰ ਸਮੇਂ ਅੱਗ ਤੋਂ ਬਚਾਅ ਦੇ ਯੰਤਰਾਂ ਨੂੰ ਚਾਲੂ /ਚੰਗੀ ਹਾਲਤ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇ।
2. No, alteration/ addition/ change in,use of occupancy is allowed.
   ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੇ ਬਦਲਾਅ/ ਵਾਧੇ/ ਕਾਬਜਕਾਰ ਵਿੱਚ ਬਦਲਾਵ ਦੀ ਮਨਾਹੀ ਹੈ।
3. Occupants/ owner should have trained staff to operate the operation of fire safety system provided there in.

   ਉਪਲੱਬਧ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਯੰਤਰਾਂ ਦੀ ਵਰਤੋਂ ਤੋਂ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ / ਮਾਲਕਾਂ ਨੂੰ ਜਾਣੂੰ ਕਰਵਾਇਆ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।
4. Fire Officer can check the arrangements of fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.

   ਫਾਇਰ ਬ੍ਰਿਗੇਡ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ ਸਕਦਾ ਹੈ, ਜੇ ਕਰ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਤਾਂ ਬਿਨ੍ਹਾਂ ਕਿਸੇ ਨੋਟਿਸ ਦੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।
5. Occupants/ owner should apply for renewal of fire safety certificate one month prior to expiry of this certificate.

   ਮਾਲਕ ਜਾਰੀ ਕੀਤੇ ਗਏ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਦੀ ਮਿਤੀ ਖਤਮ ਹੋਣ ਤੋਂ ਇੱਕ ਮਹੀਨਾ ਪਹਿਲਾਂ ਰੀਨੀਊ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।

* Above Details cannot be used as ownership proof.

By Regd Post

Tele: 011-25687194/ 5315

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

WAC/S 6369/1/12W/ATS (08/2017)

13 June 2017

Quark City India Pvt Ltd
A-40A, Industrial Focal Point,
Phase-VIII Extension, Mohali,
Punjab-160059

NOC FROM AVIATION ANGLE FOR CONSTRUCTION OF BUILDING

Sir,

1. Please refer your application 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 Headquarters has no objection for construction of **100 m** high building(s) for Industrial Park project at A-40A & A-45, Phase VIII, Industrial Area, Mohali (Punjab) **subject to following conditions:-**

(a) The NOC is from "Aviation Angle" 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 the concerned authorities including approval of building plans. 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 Sec 9 (A) of the Indian Aircraft Act 1934 and those of any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by buildings and trees etc) Rules, 1994.

(e) Vertical extent (highest point) of the building(s) proposed at coordinates mentioned overleaf **shall not exceed 412 m AMSL or 100 m AGL whichever is lower**. No extension or structure permanent or temporary (e.g. Cranes, Antennas, Mumtee, lightening 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° 42' 25" N	76° 41' 35" E	308 m AMSL
B	30° 42' 30" N	76° 41' 46" E	310 m AMSL
C	30° 42' 24" N	76° 41' 52" E	312 m AMSL
D	30° 42' 14" N	76° 41' 34" E	311 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 garbage treatment plant shall be installed prior to the construction of buildings for the purpose of avoiding bird activity. The plant shall be shown to the Air Officer Commanding or his nominated representative at AF Station Chandigarh on installation.

(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,

(Amit Bajpai)
Wing Commander
Command ATC Officer

Copy to:

Air HQ (VB) {JD Ops (ATS)}

AF Stn Chandigarh (SATCO)

Internal:

C Nav O

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: *R13SAS451088* **Application No :** *11912873*

To,

Rajesh Sharma
A-40a, Industrial Focal Point, Ph-viii Extn. Mohali, Punjab.
Mohali,Mohali-160059

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/2021/11912873*
Date of issue :	*19/04/2021*
Date of expiry :	*31/03/2022*
Certificate Type :	*Fresh*

2. Particulars of the Industry

Name & Designation of the Applicant	*Rajesh Sharma, (Chief Operating Officer)*
Address of Industrial premises	*Quarkcity India Private Limited, Plot No. A-40a, Industrial Focal Point, Phase Viii-extension, Mohali,Sas Nagar-160059*
Capital Investment of the Industry	*83855.0 lakhs*
Category of Industry	*Red*
Type of Industry	*Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06*
Scale of the Industry	*Large*
Office District	*Sas Nagar*
Consent Fee Details	Rs.1282500/- vide UTR no. KKBKR22019080200319198 dated 02.08.2019 and Rs.570000/- vide UTR no. KKBKR22019072400203733 dated 24.07.2019
Raw Materials (Name with quantity per day)	*N.A. being construction project*

Products (Name with quantity per day)	*For establishment of residential, commercial and industrial in total area of 51.30 acres and builtup area of 747088.92 sqm.*
By-Products, if any,(Name with quantity per day)	--
Details of the machinery and processes	*As per application no. 11912873*
Details of the Effluent Treatment Plant	*STP - WWTP (750 KLD, 150 KLD, 32 KLD and 500 KLD) and STP (800 KLD, 100 KLD, 150 KLD and 48 KLD)*
Mode of Disposal of Effluent	*Domestic Effluent @ 2170.0 KLD - After STP - 766 KLD for Flushing, 249 KLD for Irrigation on Green Area about 45200 sqm, 620 KLD for Cooling, 492 KLD discharged into sewer.*
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	*As per effluent standards prescribed by the PPCB/ MoEF&CC from time to time.*
Sources of emissions and type of pollutants	*05 no. DG sets - SPM, SOx and NOx*
Mode of disposal of emissions with stack height	*Five no. DG Sets of 1250 KVA each - HSD as fuel @ 10 Lit/ day each - Canopy and adequate stack of 10 mt. above roof each.*
Quantity of fuel required in TPD	*Five no. DG Sets of 1250 KVA each - HSD as fuel @ 10 Lit/ day each*
Type of Air Pollution Control Devices to be installed	*Five no. DG Sets of 1250 KVA each - Canopy and adequate stack of 10 mt. above roof each.*
Standars to be achieved under Air (Prevention & Control of Pollution) Act, 1981	*As per emission standards prescribed by the PPCB/ MoEF&CC from time to time.*

19/04/2021

(Kuldeep Singh)
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.

19/04/2021

(Kuldeep Singh)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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 (De) shall be calculated from the following equation to determine upstream, downstream distance:-

   De = 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 Qg0.3or H = 74 (Qp)0.24 Where Qg = Quantity of SO2 in Kg/hr. Qp = 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.

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

19/04/2021

(Kuldeep Singh)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)


PUNJAB

B. SPECIAL CONDITIONS

1. No industry covered under Category "A" and "B" falling in the schedule appended to the EIA notification dated 14.09.2006 (as amended from time to time) shall be allowed to established except category under 8 (a) and 8 (b) in Integrated Township namely "Quark City" located at plot nos. A-40A & A-45, focal point industrial area, phase VIII B, Mohali. However, other industries (not covered in the EIA notification dated 14.09.2006), although categorized as Orange, Green and White as per the Punjab Pollution Control Board Classification are allowed to be established.

2. Orange, Green and White category of industries such an Information Technology, Business processes outsourcing, Computer software development, knowledge park, Assembly and repair of computer hardware and electronic equipment, printing, publishing and allied industries, packing of dried foodstuff, warehouse except for storage of chemicals and hazardous storage etc. are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.

3. No water intensive industries shall be allowed to establish and plots will be allotted to those industries which will achieve Zero Liquid Discharge.

4. Air polluting industries like cement grinding units, induction / Cupola furnaces/ reheating rolling mills, brick kilns, saila plants, etc. shall not be allowed to established.

5. The project proponent shall utilize treated wastewater from the project for the construction purpose.

6. The project proponent shall carry out the construction work of STPs/ WWTPs at the site, in commensuration with the construction work of the project and shall not allow any occupancy in the project, till the time STP / WWTPs is installed and commissioned at the site.

7. The project proponent shall provide separate water meter and energy meter for the STPs/ WWTPs and maintain record of the same on daily basis.

8. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odour problem on the nearby residential area.

9. The promoter company shall explore the possibility of using treated domestic effluent for useful purpose such as construction work, sprinkling on dusty patches/roads, use in nearby construction activities etc.

10. The project proponent shall place adequate no. of bins outside its premises from where the Municipal Solid Waste shall be got lifted.

11. The project proponent shall properly handle and manage the solid waste as per the provisions of the Municipal Solid Waste Management Rules, 2016 and ensure that the solid waste is segregated into biodegradable and non-biodegradable components. The biodegradable component shall be treated in vermi composting pits and organic waste composters to produce compost, which will be disposed of/reused in an environmentally sound manner and the non-biodegradable solid waste shall also be disposed of in an environmentally sound manner.

12. The project proponent 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.

13. The project proponent shall comply with the provisions of the Construction and Demolition Management Rules, 2016.

14. The project proponent 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.

15. The project proponent 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.

16. The project proponent shall take all necessary steps to control the dust emissions to be generated from the construction activities of the project.

17. The project proponent 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.

18. The project proponent shall provide mask to every worker working on the construction site and involved in loading / unloading and carrying of construction material and construction debris.

19. The project proponent 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.

20. Regarding use of rainwater harvesting system, the promoter shall ensure the compliance of following conditions:

a) Only roof top rainwater shall be discharged into rainwater harvesting system.
b) No surface run off or any other rainwater flowing in lawns / garden be allowed to enter into the rain water harvesting system.
c) All the pipes provided for the recharging system should be visible and properly coloured.

21. The promoter shall develop its residential complex as well as construct flats strictly in accordance with the layout / building plans approved / to be approved by the Competent Authority.

22. Each individual industry or project will obtain mandatory permissions like 'Consent to Establish' (NOC), 'Consent to operate' and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 under the pollution control laws from the Punjab Pollution Control Board.

23. All DG sets shall be equipped with canopies.

24. The project proponent shall provide piezometers at the project site as per the CGWA guidelines.

25. The individual industry/ plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.

26. In case of future requirements, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.

27. The project proponent shall obtain clarification/ rectification from the SEIAA, Punjab regarding non existence of WWTP of capacity 750 KLD and submit it to the Board within 2 months.

28. The project proponent shall install water meters at all the different arrangement as proposed for the disposal of treated effluent.

19/04/2021

(Kuldeep Singh)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

restoring eco balance...

Eco Laboratories & Consultants Pvt. Ltd.

CIN : U74140PB2011PTC034739

TEST REPORT

TC-7477

ULR No. : TC747722000002408F		Test Report No. : EL180422NS004	
Type of Sample : Soil.		Date of Reporting : 23/04/2022	
Customer	Project namely "Quark City" at Plot No. A-10A & A-15, Focal Point, Indl Area, Phase- VIII-B, Mohali, Punjab M/s Quark City India Pvt. Ltd.	Work Order No. & Date	EL/QCTY/TEL/3217 Dt.: 23/03/2022
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/04/2022	Date of Receipt of Sample	18/04/2022
Sampling Location	From Nursery	Testing Location	Permanent Facility
Testing Protocol	IS Method & Lab SOP	Period of Analysis	18/04/2022 To 23/04/2022
Sample Description	Brown coloured soil.		
Packing, Markings, Seal & Qty.	5 Kg Poly Bag Marked 'R/18/S1'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	8.17	IS:2720 (Part-26) Cl-2,
2	Conductivity	mmhos/cm	0.555	IS:14767
3	Moisture Content	%	1.7	IS:2720 (Part-II) Sec-1
4	Organic Matter	%	1.62	IS: 2720 (Part XXII) Sec-1,
5	Texture	--	Sandy clay loam	IS:2720 (Part-4) Cl 2,4,
6	Bulk Density	gm/cc	1.41	IS: 2720 (Part-7)

Remarks : NA

OTHER INFORMATION

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

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

End of Report

Umesh Kumar
Authorized Signatory-Chemical

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

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org

TEST REPORT

TC-7477

ULR No. : TC747722000002422F		**Test Report No. :**	EL190422NN004
Type of Sample : Ambient Noise		**Date of Reporting :**	23/04/2022
Customer	Project namely "Quark City" at Plot No. A-10A & A-15, Focal Point, Indl Area, Phase- VIII-B, Mohali, Punjab M/s Quark City India Pvt. Ltd.	**Work Order No. & Date**	EL/QCTY/TEL/3217 Dt.: 23/03/2022
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008.	**Mode of Collection of Sample**	Sampling by laboratory
Date of Sampling	18/04/2022	**Date of Receipt of Sample**	19/04/2022
Sampling Location	At Project Site (Near Main Gate)	**Period of Analysis**	19/04/2022 To 19/04/2022
Testing Protocol	IS 9989-1989, RA 2008.		
Testing Location	On Site & Permanent Facility		

RESULTS

I- Chemical Testing

1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	53.4	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 from10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks : NA

OTHER INFORMATION

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

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

End of Report

Umesh Kumar
Authorized Signatory-Chemical

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

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org

TEST REPORT

TC-7477

ULR No. : TC747722000002416F		**Test Report No. :**	EL190422NA004
Type of Sample : Ambient Air Quality		**Date of Reporting :**	23/04/2022
Customer	Project namely "Quark City" at Plot No. A-10A & A-15, Focal Point, Indl Area, Phase- VIII-B, Mohali, Punjab M/s Quark City India Pvt. Ltd.	**Work Order No. & Date**	EL/QCTY/TEL/3217 Dt.: 23/03/2022
		Customer reference No. (If any)	NA
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	**Mode of Collection of Sample**	Sampling by laboratory
Date of Sampling	18/04/2022	**Date of Receipt of Sample**	19/04/2022
Sampling Location	At Project Site (Near Main Gate)	**Period of Analysis**	19/04/2022 To 23/04/2022
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	**Environmental Conditions**	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Respirable Suspended Particulate Matter (as PM10)	µg/m³	88	100	IS: 5182 (Part-23)
2	Particulate Matter (as PM2.5)	µg/m³	47	60	Lab SOP: EL/SOP/AAQ/01, Issue No. 03, Jan 01
3	Sulphur Dioxide (as SO2)	µg/m³	12	80	IS: 5182 (Part-2)
4	Nitrogen Dioxide (as NO2)	µg/m³	24	80	IS: 5182 (Part-6)
5	Ammonia (as NH3)	µg/m³	15	400	Lab SOP: EL/SOP/AAQ/02, Issue No. -03, Jan 01
6	Ozone (as O3)	µg/m³	32	180	IS: 5182 (Part-9)
7	Carbon Monoxide (as CO) ,	mg/m³	0.65	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

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

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org

TEST REPORT

TC-7477

ULR No. : TC747722000002412F		Test Report No. :	EL180422NW004
Type of Sample : Water (Ground Water)		Date of Reporting :	23/04/2022
Customer	Project namely "Quark City" at Plot No. A-10A & A-15, Focal Point, Indl Area, Phase- VIII-B, Mohali, Punjab M/s Quark City India Pvt. Ltd.	Work Order No. & Date	EL/QCTY/TEL/3217 Dt.: 23/03/2022
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	18/04/2022	Date of Receipt of Sample	18/04/2022
Sampling Location	Borewell No.1	Testing Location	Permanent Facility
Testing Protocol	IS:10500-2012 (IInd Revision)	Period of Analysis	18/04/2022 To 23/04/2022
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'R/18/W1'		

RESULTS

I -Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL(DL5)	5	15	IS: 3025 (Part-4)Cl 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (Part-5)
3	pH @ 25°C	-	7.41	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL1)	1	5	IS 3025 (Part-10)
6	Chloride as Cl	mg/l	11	250	250	IS: 3025 (Part-32)
7	Iron as Fe'	mg/l	0.22	1.0	No relaxation	IS: 3025 (Part-53)
8	Total hardness as CaCO3	mg/l	240	200	600	IS :3025 (Part-21)

II -Biological Testing

1. Water (Ground Water)

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

Simranjit Kaur
Authorized Signatory-Biological

Tanu Sharma
Authorized Signatory-Chemical

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

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org

TC-7477

ULR No. :	TC747722000002412F		
Type of Sample :	Water (Ground Water)	**Test Report No. :**	EL180422NW004
		Date of Reporting :	23/04/2022

Remarks : NA

OTHER INFORMATION

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

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

End of Report

Simranjit Kaur
Authorized Signatory-Biological

Tanu Sharma
Authorized Signatory-Chemical

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

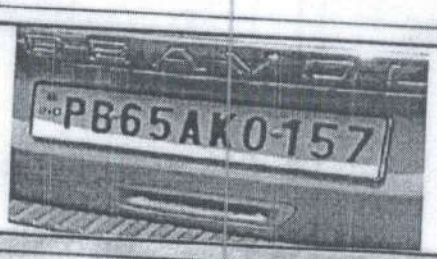
Authorised By :
Government of Punjab

Date	:	12/05/2022
Time	:	11:43:34 AM
Validity upto	:	11/11/2022

PB65AK0157

Certificate SL. No.	:	PB06500230010673
Registration No.	:	PB65AK0157
Date of Registration	:	23/Dec/2016
Month & Year of Manufacturing	:	February-2016
Valid Mobile Number	:	******9620
Emission Norms	:	BHARAT STAGE III/IV
Fuel	:	DIESEL
PUC Code	:	PB0650023
GSTIN	:	
Fees	:	Rs.100.00(GST as applicable)
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	1.62	1.07

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://vahan.parivahan.gov.in

Authorised Signature with stamp Pollution Check operator
60mm x 20 mm

Jagatveer Singh PUC Pollution Check Centre
Govt. Authorised
Lakhnaur Mohali

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Punjab

Date	:	**12/05/2022**
Time	:	**09:46:27 AM**
Validity upto	:	**11/11/2022**

Certificate SL. No.	:	PB06500230010667
Registration No.	:	PB65L9887
Date of Registration	:	10/Dec/2010
Month & Year of Manufacturing	:	October-2010
Valid Mobile Number	:	******9623
Emission Norms	:	BHARAT STAGE III/IV
Fuel	:	DIESEL
PUC Code	:	PB0650023
GSTIN	:	
Fees	:	Rs.100.00(GST as applicable)
MIL observation	:	No

Vehicle Photo with Registration plate
60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured (upto 2 dec 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	1.62	1.07

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC Operator
60mm x 20 mm

Pollution Check Centre
Govt. Authorised
Lakhnour Mohali

Form 59

[See rules 115 (2)]

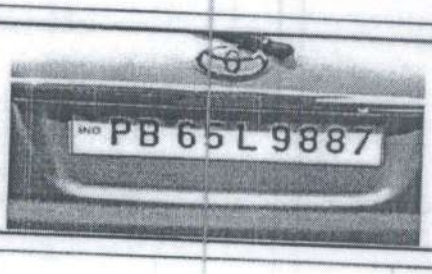
Pollution Under Control Certificate

Authorised By :
Government of Punjab

Date	:	**12/05/2022**
Time	:	**09:46:27 AM**
Validity upto	:	**11/11/2022**

Certificate SL. No.	:	PB06500230010667
Registration No.	:	PB65L9887
Date of Registration	:	10/Dec/2010
Month & Year of Manufacturing	:	October-2010
Valid Mobile Number	:	******9623
Emission Norms	:	BHARAT STAGE III/IV
Fuel	:	DIESEL
PUC Code	:	PB0650023
GSTIN	:	
Fees	:	Rs.100.00(GST as applicable)
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	1.62	1.07

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC Operator
60mm x 20 mm

Gagandeep Singh Pollution Check Centre
Govt. Authorised
Lakhnour Mohali

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :

Government of Punjab

Date	:	**06/06/2022**
Time	:	**11:46:57 AM**
Validity upto	:	**05/12/2022**

PB65Z7715

Certificate SL. No.	:	PB06500260005661
Registration No.	:	PB65Z7715
Date of Registration	:	04/Nov/2014
Month & Year of Manufacturing	:	July-2014
Valid Mobile Number	:	******7700
Emission Norms	:	BHARAT STAGE III
Fuel	:	DIESEL
PUC Code	:	PB0650026
GSTIN	:	
Fees	:	Rs.100.00(GST as applicable)
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	0.71

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

ESS VEE FILLING STATION
SECTOR-53, MOHALI

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :

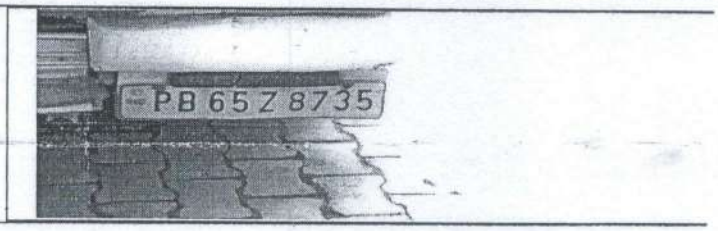
Government of Punjab

Date	:	**06/07/2022**
Time	:	**14:40:31 PM**
Validity upto	:	**05/01/2023**

PB65Z8735

Certificate SL. No.	:	PB06500230011337
Registration No.	:	PB65Z8735
Date of Registration	:	21/Nov/2014
Month & Year of Manufacturing	:	June-2014
Valid Mobile Number	:	******9958
Emission Norms	:	BHARAT STAGE III
Fuel	:	DIESEL
PUC Code	:	PB0650023
GSTIN	:	
Fees	:	Rs.100.00 (GST to be paid extra as applicable)
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	0.89

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Jeevan Singh Pollution Check Centre Govt. Authorised (P.U.C.) Lakhnour Mohali

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Punjab

Date	:	**02/08/2022**
Time	:	**15:06:39 PM**
Validity upto	:	**01/02/2023**

Certificate SL. No.	:	PB06500260006298
Registration No.	:	PB12G3344
Date of Registration	:	02/Mar/2005
Month & Year of Manufacturing	:	February-2005
Valid Mobile Number	:	******3793
Emission Norms	:	BHARAT STAGE III
Fuel	:	DIESEL
PUC Code	:	PB0650026
GSTIN	:	
Fees	:	Rs.100.00 (GST to be paid extra as applicable)
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	0.74

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

ESS VEE FILLING STATION
SECTOR-53, MOHALI

Form 59

[See rules 115 (2)]

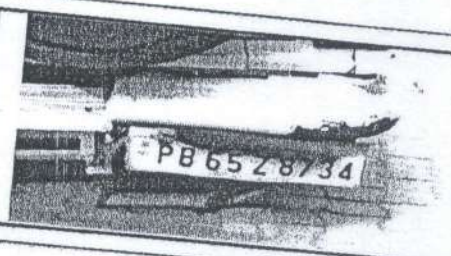
Pollution Under Control Certificate

Authorised By :
Government of Punjab

Date	:	**21/09/2022**
Time	:	**09:27:36 AM**
Validity upto	:	**20/03/2023**

Certificate SL. No.	:	PB06500230012366
Registration No.	:	PB65Z8734
Date of Registration	:	21/Nov/2014
Month & Year of Manufacturing	:	August-2014
Valid Mobile Number	:	******6464
Emission Norms	:	BHARAT STAGE II
Fuel	:	DIESEL
PUC Code	:	PB0650023
GSTIN	:	
Fees	:	Rs.100.00 (GST to be paid extra as applicable)
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	0.35

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://vahan.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

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 : *G15SAS2525711* **Application No :** *16350374*

To,

Rajesh Sharma
A-40A, Industrial Focal Point, Phase VIII-Extn
mohali,Punjab-160059

Subject: **Fresh Authorization for operating a facility for Collection, Generation, Storage, Disposal, of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .**

Rajesh Sharma of Quarkcity india pvt. ltd. (for f-3 lmp building) is hereby granted an authorisation based on the enclosed signed inspection report for Collection, Generation, Storage, Disposal, on the premises situated at A-40a, industrail focal point, phase viii-extension, mohali, sas nagar, Mohali, Sas nagar-160059

1. Particulars of Authorization granted to the Industry

Authorization No	*HWM/Fresh/SAS/2021/16350374*
Date of issue :	*23/08/2021*
Date of expiry :	*31/03/2026*
Authorization Type :	*Fresh*

2. Particulars of the Industry

Name & Designation of the Applicant	*RAJESH SHARMA, (CHIEF OPERATING OFFICER)*
Address of Industrial premises	*Quarkcity india pvt. ltd. (for f-3 lmp building), A-40a, industrail focal point, phase viii-extension, mohali, sas nagar, Mohali,Sas nagar-160059*
Capital Investment of the Industry	*29194.512 lakhs*
Category of Industry	*Red*
Type of Industry	*Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06*
Scale of the Industry	*Large*
Office District	*Sas nagar*

3. **Particulars of Wastes**

Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc	Quantity (ton/annum)
Schedule I 5.1-Used or spent oil	Generation , Collection , Storage , Disposal	0.4 KL/Annum

4. The authorisation is subject to the general and specific conditions as appended with the Authorization.

23/08/2021

(Kuldeep Singh)
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.

23/08/2021

(Kuldeep Singh)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on ï¿½Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penaltyï¿½.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. SPECIFIC CONDITIONS

i. The Project Proponent will provide environmental data board outside the premises.

ii. The Project Proponent will provide canopy with the DG set of 380 KVA and intimate to Board, within 15 days.

iii. The Project Proponent will dispose off the used oil to registered recyclers only.

23/08/2021

(Kuldeep Singh)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)