
M/s HCL IT City Lucknow Pvt. Ltd.

‘COMPLIANCE REPORT’

**Proposed Information Technology Project
“HCL Technology Hub”
at
Chack Gajaria Farms, Sultanpur Road, Lucknow,
Uttar Pradesh**



SUBMITTED BY

M/s HCL IT City Lucknow Pvt. Ltd.

DECEMBER, 2018

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COMPLIANCE REPORT

Specific and General Conditions as per Environmental Clearance issue vide letter no. **580/661/Parya/SEAC/2803/2014/DDY dated: 09/07/2015** attached as **Annexure-I**.

S. No.	Conditions	Compliance
Specific Conditions		
I. Construction Phase		
1.	Digging of basement shall be undertaken in view of structural safety of adjacent building under information/consultation with District Administration/Mining Department.	Digging of basement has been undertaken in view of structural safety of adjacent building. As of now, there is no building adjacent to the project site.
2.	Sprinkler to be used for curing and quenching during construction phase. No ground water to be used for construction.	No ground water is being used for construction purpose. Water for construction activities is taken from private water tankers.
3.	Structural safety certificate from qualified structural engineer should be obtained. The same should get vetted from IIT Delhi as discussed with project proponent.	Structural Safety certificate by structural Engineer vetted by Mr. Devendra Kumar Utreja, IIT Delhi is already submitted with previous compliance report of December' 2015.
4.	Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within three months) on need base assessment study in the study area. Income generating measures which can help in up-liftment of weaker section of society consistent with the traditional skills of the people identified. The program can be include activities such as old age homes, rain water harvesting provision in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self employment and jobs. Separate budget for community development activities and income generating programmers shall be specified.	Need and market assessment will be conducted and completed soon. The Environmental Corporate Responsibility (ECR) plan along with budgetary provision will be submitted in due course of time.
5.	Consent to Establishment shall be obtained from UP State Pollution Control Board under Air & Water Act and a copy shall be submitted to Ministry before start of any construction work at site.	Copy of Consent to Establishment Vide Letter No.F64353 C-5/NOC-806/15 Dtaed:07/07/2015 is attached as Annexure-II
6.	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	Provision 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. are already provided at project site.

Information Technology Project “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh.

	health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<p>The housing is in the form of temporary structures to be removed after the completion of the project.</p> <p>Photographs showing labor hutments, mobile toilets at construction site, toilets in labour hutments, drinking water facility is submitted in previous compliance report</p> <p>Medical bill and bills regarding medical consultancy and premedical checkup for work man are submitted earlier.</p>
7.	A First Aid Room will be provided in the project both during construction and operation of the project.	<p>A First Aid Room with ambulance facility is provided at the project site during the construction and in operational phase of the project.</p> <p>Photographs of the First Aid kit is attached as Annexure- III</p>
8.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	<p>All the topsoil excavated during construction activities is stored and it will be used in horticulture/landscape development within the project site. Photograph showing stockpiles had been submitted earlier</p> <p>All the topsoil excavated during construction activities had been stored separately and is used in landscape development around the site to the maximum extent.</p> <p>Photographs of the green belt development has been attached as Annexure- IV.</p>
9.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Disposal of muck during construction phase has not created any adverse effect on the neighboring communities and is disposed taking the necessary precaution for general safety and health aspects of people.
10.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Monitoring report of soil and ground water sample has been attached in Annexure V
11.	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.	Construction spoils, including bituminous material and other hazardous materials, is not allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
12.	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the UP State Pollution Control Board.	Used oil is the only hazardous waste generated during construction phase and it is disposed off as per applicable rules and norms with necessary approvals of the UP State Pollution Control Board.
13.	The diesel generator sets to be used during construction phase should be low	Low sulphur diesel is used. Photographs of the DG has been attached as Annexure- VI

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	<p>sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.</p>	
14.	<p>The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken. DG set shall meet the CPCB norms.</p>	<p>During the construction phase, approx. 600 ltrs. diesel was stored at a time. The total amount of diesel stored at the site does not exceed 1000 litres, thus there is no requirement of permission from chief controller of explosives for storage of diesel as per Petroleum Act 1934, Chapter-1, Section 7.</p> <p>During the operational phase, if storage of diesel will exceeds 2.5 KL, clearance will be taken from chief controller of explosives.</p>
15.	<p>Vehicles hires for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform and to applicable air and noise emission standards and should be operated only during non-peak hours.</p>	<p>Vehicles hires for bringing construction material to the site are in good condition and regularly checked for pollution check certificate and are operated only during non-peak hours to avoid traffic congestion.</p>
16.	<p>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 made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.</p>	<p>Environmental Monitoring Report is attached as Annexure-V</p>
17.	<p>Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.</p>	<p>Fly ash is used in building material during construction phase.</p> <p>Flyash received details from Ashtech India Pvt.Ltd. is has submitted earlier</p>
18.	<p>Read mixed concrete must be used in building construction.</p>	<p>Agreed, Ready mixed concrete is used in building construction.</p>
19.	<p>Storm water control and its re-use as per CGWB and BIS standards for various applications.</p>	<p>Storm water control and its re-use would be done as per CGWB and BIS standards for various applications. Approved Strom water Plan is already submitted with previous compliance report of December' 2015.</p>
20.	<p>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</p>	<p>water demand is reduced by using pre-mixed concrete, curing agents. Ready mixed concrete is used in building construction. Now the construction work is completed.</p>
21.	<p>Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.</p>	<p>NOC from Ground Water Department has been obtained Vide Letter No. 927/GWD/D-20 Dated: May 21, 2015 has been attached as Annexure-VII</p>
22.	<p>Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.</p>	<p>Separation of grey and black water will be done by the use of dual plumbing line for separation of grey and black water. Approved Plan of water and fire services is already submitted with previous</p>

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		compliance report of December’ 2015.
23.	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.	Low flow fixtures is being used for showers and dual flush cistern is used to conserve water during the operational phase of the project.
24.	Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	High quality double glass has been used during the operational phase of the project.
25.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Roof is meeting prescriptive requirement as per Energy Conservation Building Code.
26.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Opaque wall is meeting prescriptive requirement as per Energy Conservation Building Code.
27.	The approval of the competent authority shall be obtained for structures safety of the buildings due to earthquake, adequacy of firefighting equipment, etc. as per National Building code including protection measures from lightening etc.	Structural Safety certificate by structural Engineer vetted by Mr. Devendra Kumar Utreja, IIT Delhi is already submitted with previous compliance report of December’ 2015. Approved Plan of water and fire services and Copy of Fire NOC Vide Letter No.FS-1076/2015(151) Dated: 25/03/2015 is attached as Annexure- VIII and Airport NOC is attached as Annexure-IX .
28.	Regular supervision of the above and other measures for monitoring should be in phase all through the construction phase, so as to avoid disturbance to the surroundings.	Regular supervision of the above and other measures for monitoring would be done all through the construction phase, so as to avoid disturbance to the surroundings.
29.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance has been obtained vide letter no. 580/661/Parya/SEAC/2803/2014/DDY dated: 09/07/2015 attached as Annexure-I .
OPERATION PHASE		
1.	Details of E-waste should be submitted.	Details of E-waste would be submitted during the operational phase of the project.
2.	The installation of the 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	STP has been installed for the treatment of sewage. Copy of LOI for the installation, Testing and commissioning of STP is submitted in previous compliance report

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	commissioned for operation. Treated affluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the UP State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	Sewage Treatment plant (STP) will be operated in the operational phase, once the occupancy will be achieved. Adequacy report/feasibility report certified by independent expert would be submitted to the Ministry before the project is commissioned for operation. Treated water will be recycled and reused for flushing, cooling purposes and landscaping during the operational phase of the project.
3.	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste generated is properly collected and segregated. Wet garbage would be composted and dry / inert solid waste would be disposed off to the approved sites for land filling after recovering recyclable material.
4.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase 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 low sulphur diesel. The location of the DG sets may be decided with in consultation with UP State Pollution Control Board.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase is of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets is equal to the height required for the combined capacity of all proposed DG sets. We are using low sulphur diesel. The location of the DG sets is decided with in consultation with UP State Pollution Control Board. Photograph of DG stack is attached as Annexure-X
5.	Criteria/ norms provided by competent Authority regarding the seismic zone be followed for construction work. Provision of alarm system, to timely notify the residents, in case of occurrence of earthquake/ other natural disasters/fire should be provided. A well-defined evacuation plan should also be prepared and regular mock drills should be arranged for the residents. Rise of stairs should be constructed in a way, so that it should be arranged for the residents. Rise of stairs should be constructed in a way, so that it should provide smooth movement.	All the construction work will be done as per the approved site layouts and norms provided by competent authority. Copy of Fire NOC Vide Letter No.FS-1076/2015(151) Dated: 25/03/2015 and approved Fire Alarm and PA system layout along with Firefighting system layout are already submitted with previous compliance report of December' 2015.
6.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise would be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building would be restricted to the permissible levels to comply with the prevalent regulations
7.	The green belt of the adequate width and density preferable with local species	The green belt of the adequate width and density preferable local species along the periphery of the

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	along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	plot has been raised so as to provide protection against particulates and noise Photographs of the green belt development has been attached in Annexure IV
8.	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Weep holes in the compound walls is provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
9.	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. The borewell for rainwater recharging should be kept at least 5 mts, above the highest ground water table.	Rain water harvesting for roof run-off and surface run-off, as plan submitted is implemented. Before recharging the surface run off, pre-treatment would be done to remove suspended matter, oil and grease. Approved Strom water Plan is already submitted with previous compliance report of December' 2015.
10.	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	The ground water level and its quality will be monitored regularly in consultation with Central Ground Water Authority during construction as well as in operational phase. Environmental Monitoring Report is attached as Annexure-II
11.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Parking is fully internalized no public space will be utilized. Approved Site Layout Plan and Approved Basement Plan are already submitted with previous compliance report of December' 2015.
12.	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 and technology, R & U Factors etc. and submit to the Ministry in three months time.	A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of energy Efficiency will be submitted in the operational phase of the project to the Ministry.
13.	Energy conservation measures like installation of CFLs/LED for the lighting the areas outside the building should be integral part of the project design and should be integral part of the project design and should be in place before project commissioning. Use CFLs and LED should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Energy conservation measures like installation of LED for the lighting the areas outside the building would be integral part of the project design and would be integral part of the project design and would be in place before project commissioning. Used LED would be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels would be done to the extent possible.
14.	Adequate measures should be taken to prevent odour problem from solid waste	As the sewage treatment plant is located inside basement there will be no odour problem from it.

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	processing plant and STP.	
15.	The building Should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The building is completed as per the approved plans.
16.	Waste segregation shall be carried-out at source and organic shall be composted. Adequate space shall be provided within the complex.	This condition will be complied during the operational phase.
General Condition		
1.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective Zonal office of CPCB and the UPPCB.	Six monthly compliance of the stipulated EC conditions are being regularly submitted to respective Regional office of MoEF, the respective Zonal office of CPCB and the UPPCB. Receiving of June 2018 are attached as Annexure- XI
2.	Officials from the Regional Office of MoEF, Lucknow who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional office of MoEF, Lucknow.	Agreed and this condition will be complied.
3.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry	Agreed and this condition will be complied.
4.	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 Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed and this condition will be complied.
5.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Copy of Fire NOC Vide Letter No.FS-1076/2015(151) Dated: 25/03/2015 attached as Annexure- VIII Copy of Height Clearance from Airport Authority of India Vide Letter No. AAI/RHQ/NR/ATM/NOC/2015169/2728-31 Dated: 20/05/2015 attached as Annexure IX .

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6.	These stipulations would be enforced among other 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.	Agreed
7.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, on 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 UP 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 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Lucknow.	Environmental Clearance letter of project is already published in two newspapers. (1.) The Times of India, Lucknow dated 14 August’ 2015 (2.) Navbharat Times, New Delhi/Lucknow Dated:-14 August’ 2015. Copies of same are already submitted with previous compliance report of June’2016.
8.	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, zilla parishad /Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Agreed
9.	The proponent shall upload the status of compliance of the stipulates EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and the UPPCB. The criteria pollutant levels namely; PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. The proponent shall upload the status of compliance of the stipulates EC conditions, including results of monitored data on their website. We are regularly sending the six monthly compliance report to office of MoEF&CC, the respective Zonal office of CPCB and the UPPCB. Receiving of June 2018 are attached as Annexure-XI We ensure that the criteria pollutant levels namely; PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
10.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the	Agreed

	concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF, Lucknow by e-mail.	
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ANNEXURE-I

Environment Clearance Letter

State Level Environment Impact Assessment Authority, Uttar Pradesh

Uploaded on
www.seiaaup.in

Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010

Phone : 91-522-2300 541, Fax : 91-522-2300 543

E-mail : doeuplko@yahoo.com

Website : www.seiaaup.in, www.seiaaup.com

To,

Mr. Tarun Goel,
Dy. General Manager,
M/s HCL IT City Lucknow Pvt. Ltd.,
Corporate Tower, HCL Technology Hub,
Sector-126, Noida, U.P.-201304

Ref. No. 580/Parya/SEAC/2803/2014/DDY

Date: 09 July, 2015

Sub: Environmental Clearance for Proposed Information Technology Project "HCL Technology Hub",
Chack Ganjaria Farms, Sultanpur Road, Lucknow, U.P. M/s HCL IT City Lucknow Pvt. Ltd.

Dear Sir,

Please refer to your application/letter dated 27/01/2015, 06/05/2015 and 21/05/2015 addressed to the Secretary, SEAC, Directorate of Environment, U.P., Lucknow on the subject as above. The matter was considered by the State Level Expert Appraisal Committee in its meetings held on dated 23/03/2015, 29/04/2015 & 25/05/2015.

A presentation was made by Shri Sanjeev Shukla, project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. The proponents through the documents submitted and presentation made, informed the Committee that:-

1. The environmental clearance is sought for Information Technology Project "HCL Technology Hub" at Chack Ganjaria Farms, Sultanpur Road, Lucknow, U.P. M/s HCL IT City Lucknow Pvt. Ltd.
2. Area details of the project is as follows:

S. N.	Particulars	Area in Sq.m.	In percentage(%)
1	Plot area	4,04,685.60 (100 Acres)
2	Permissible Ground coverage	1,61,874.24	40% of Plot Area
3	Permissible FAR @ 2.5	10,11,714.00	250% of Plot Area
4	Green Area Required	40,468.56	10% of Plot Area
5	Area for Current Development	68,796.55 (17 Acres)	
6	Proposed Ground coverage (Development Area)	25,953.68	37.72% of Development area
	• IT Block	15,378.53	59.25 % of Proposed Gr. Coverage
	• Skill Development Centre	2,528.16	9.74 % of Proposed Gr. Coverage
	• Hostel	3,141.52	12.10 % of Proposed Gr. Coverage
	• Housing	847.06	3.26 % of Proposed Gr. Coverage
	• DG Plant room, AC Plant room, Guard rooms	4,058.40	15.63 % of Proposed Gr. Coverage
7	Proposed FAR (Development Area)	1,34,821.69	196% of Development Area
	• IT Block FAR	41,939.24	31.10 % of Proposed FAR
	• Skill Development Centre FAR	12,410.20	9.20 % of Proposed FAR
	• Hostel FAR	17,979.82	13.33% of Proposed FAR
	• Housing FAR	58,433.66	43.34% of Proposed FAR
	• DG Plant room, AC Plant room, Guard rooms	4,058.00	3.01% of Proposed FAR
8	Basement Area	14,500.00
9	Green area provided	48,562.27	12% of Plot Area
10	Built up area	1,49,321.69

3. Land use details is as follows:

S. No.	Description	Area (in Acres)
Core Area		
1.	IT Block	50
2.	Skill Development Area & Hostel	10
Non-Core Area		
1.	Housing Development	14
2.	Mixed Landuse	16

3.	Institutional	5
4.	Services Use	5
Total Area		100

4. Salient features of the project is as follows:

Name and Location of the Project	Proposed Information Technology Project "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh.
Developers of the Project	M/s HCL IT City Lucknow Pvt. Ltd.
Total Plot Area	4,04,685.60 m ²
Built-up Area(Proposed FAR + Basement area + Services area)	1,49,321.69 m ²
Total Water Consumption	774 KLD
Total Freshwater Requirement	294 KLD Source: Municipal Supply
Power Requirement	7,000 KVA Source: Uttar Pradesh State Electricity Board (UPSEB).
Power Backup	5 DG Sets of total capacity of 10,000 KVA
Total Parking provided	2,021 ECS
Solid Waste generation	1,678.5 kg / day

5. Population details are as follows:

S. No.	Types	No of unit / Area in sq.m.	Person Per Unit	Population
1	Dwelling Units	496 nos.	5	2,480
2	Hostel	500 rooms	2 person /room	1,000
3	IT Park	41,445.49sq.m	1 person/8 sq.m. of FAR	5,000
4	Skill Development Centre	12,410.22 sq.m	1 person/5 sq.m. of FAR	2,500
	Total Population			10,980

6. Water requirement details are as follows:

S. No.	Description	Population/ Area	Unit water consumption (litres)	Total water required (KLD)	water requirement for domestic use (KLD)	Flushing/ Recycled water (KLD)
1	Residential Population					
	Housing	2,480	86	213.28	161.20	52.08
	Hostel	1,000	86	86.00	65.00	21.00
2	IT Park and Skill Development					
	IT Park	5,000	30	150.00	45.00	105.00
	Skill Development Centre	2,500	30	75.00	22.50	52.50
3	Horticulture	48,562.27	1.5 ltrs./sq.m	77.69	--	--
4	HAVC Cooling Towers	1,700 TR	8 ltrs/tr/hr	163.20	--	--
5	Fire Fighting Tank		1% of total water requirement	8.90	--	--
	Total Water Requirement			774.0796	293.700	230.580
			SAY	774	294	230

7. Waste water details are as follows:

Details	Water (KLD)
Water requirement for domestic purpose	294
Wastewater to be generated from domestic use (@ 80% of domestic water requirement)	235
Water requirement for Flushing Purpose	230
Wastewater to be generated from Flushing (@ 100% of flushing requirement)	230
Water requirement for HVAC Cooling	163
Wastewater to be generated from HVAC Cooling (@ 75% of cooling water requirement)	122
Total Wastewater generated	122+230+235=587 KLD

8. The project proposals are covered under category 8"a" of EIA Notification, 2006.

Based on the recommendations of the State Level Expert Appraisal Committee (meeting held on 25/05/2015), the State Level Environment Impact Assessment Authority (meeting held on 29/06/2015) has decided to grant the Environmental Clearance to the project subject to the effective implementation of the following specific and general conditions:

SPECIFIC CONDITIONS

I. Construction Phase:

1. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department.
2. Sprinkler to be used for curing and quenching during construction phase. No ground water to be used for construction.
3. Structural safety certificate from qualified structural engineer should be obtained. The same should get vetted from IIT, Delhi as discussed with project proponent.
4. Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within three month) on need base assessment study in the study area. Income generating measures which can help in up-liftment of weaker section of society consistent with the traditional skills of the people identified. The program can include activities such as old age homes, rain water harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self employment and jobs. Separate budget for community development activities and income generating programmers shall be specified.
5. Consent for Establishment shall be obtained from UP State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
6. 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.
7. A First Aid Room will be provided in the project both during construction and operation of the project.
8. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
9. Disposal of muck during construction phase should not create any adverse effect on the neighbouring 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.
10. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
11. 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.
12. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the UP State Pollution Control Board.
13. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
14. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken. DG set shall meet the CPCB norms.
15. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
16. 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. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
17. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.
18. Ready mixed concrete must be used in building construction.
19. Storm water control and its re-use as per CGWB and BIS standards for various applications.

20. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
21. Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
22. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
23. 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.
24. Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
25. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
26. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.
27. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
28. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
29. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

II. Operation Phase:

1. Details of E-waste should be submitted.
2. The installation of the 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. Treated affluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the UP State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
3. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
4. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase 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 low sulphur diesel. The location of the DG sets may be decided with in consultation with UP State Pollution Control Board.
5. Criteria/ norms provided by competent Authority regarding the seismic zone be followed for construction work. Provision of alarm system, to timely notify the residents, in case of occurrence of earthquake/other natural disasters/fire should be provided. A well defined evacuation plan should also be prepared and regular mock drills should be arranged for the residents. Rise of stairs should be constructed in a way, so that it should provide smooth movement.
6. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
7. The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
8. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
9. 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. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.

10. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
11. 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.
12. 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.
13. Energy conservation measures like installation of CFLs/LED for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and LED should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
14. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
15. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
16. Water segregation shall be carried-out at source and organic shall be composted. Adequate space shall be provided within the complex.

PART-B: GENERAL CONDITIONS:

1. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the UPPCB.
2. Officials from the Regional Office of MOEF, Lucknow 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 SEIAA should be forwarded to the CCF, Regional office of MOEF, Lucknow.
3. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
4. 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.
5. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
6. 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.
7. 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 U' 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 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Lucknow.
8. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

9. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the UPPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
10. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF, Lucknow by e-mail.


This environmental clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Lucknow by the competent Authority. In case of violation, it would not be effective and would automatically stand cancelled.

The project proponent will have to submit approved plans and proposals incorporating the conditions specified in the Environmental Clearance within 03 months of issue of the clearance. The SEIAA/MoEF reserves the right to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF. SEIAA may impose additional environmental conditions or modify the existing ones, if necessary. Necessary statutory clearances should be obtained.

You are also directed to ensure that the proposed site is not a part of any no-development zone as required/prescribed/identified under law. In case of violation, this permission shall automatically deem to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this clearance shall automatically deem to be cancelled.

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 including the amendments and rules made thereafter.

This is to request you to take further necessary action in the matter as per provision of Gazette Notification No. S.O. 1533(E) dated 14.9.2006 (as amended) and send regular compliance reports to the authority as prescribed in the aforesaid notification.



(J.S. Yadav)

Member Secretary, SEIAA

No...../Parya/SEAC/2803/2015/DD(Y) Dated: As above

Copy for Information and necessary action to:

1. The Principal Secretary, Environment, U.P. Govt., Lucknow.
2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
3. Chief Conservator, Ministry of Environment & Forests, Regional Office (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
5. District Magistrate, Lucknow, U.P.
6. Copy for Web Master/Guard file.


(Dr. A. A. Khan)
Nodal Officer, SEIAA, UP,
Directorate of Environment, U.P.

ANNEXURE-II

CTE Copy



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड,
टी.सी. - १२, वी, विभूति खण्ड विभूति खण्ड,
गोमती नगर, लखनऊ

वैधता अवधि-03 वर्ष हेतु मान्य

64353

संदर्भ संख्या.....

सी-5/एन0ओ0सी0-806/15

दिनांक 02-3-15

सेवा में,

मे0 एच0सी0एल0 आई0टी0 सिटी लखनऊ प्रा0लि0,
घक गंजरिया फार्म, सुल्तानपुर रोड,
जिला-लखनऊ।

विषय: पर्यावरणीय प्रदूषण की दृष्टि से नई इकाई की स्थापना हेतु अनापत्ति प्रमाण पत्र निर्गमन।

महोदय,

कृपया उपरोक्त विषयक अपने अनापत्ति प्रमाण हेतु आवेदन पत्र दिनांक 08.05.15 का संदर्भ लें। उद्योग को पर्यावरणीय प्रदूषण के दृष्टिकोण से निम्नलिखित विशिष्ट शर्तों एवं सामान्य शर्तों (संलग्नक) के समुचित अनुपालन के साथ सशर्त अनापत्ति प्रमाण पत्र स्वीकृत किया जाता है।

1. अनापत्ति प्रमाण पत्र निम्नलिखित विशिष्ट विवरणों के लिए ही निर्गत किया जा रहा है।

(क) स्थल:

घक गंजरिया फार्म, सुल्तानपुर रोड, जिला-लखनऊ

(ख) उत्पादन:

इनफार्मेशन टेक्नालाजी (एच0सी0एल0 टेक्नालॉजी हब)
बिल्डअप एरिया 149321.69 वर्ग मीटर है।

(ग) मुख्य कच्चे माल:

ईट, मोरग, सरिया इत्यादि भवन निर्माण से सम्बन्धित

(घ) औद्योगिक उत्प्रेषण की मात्रा:

830 के0एल0डी0

(ङ) प्रयुक्त ईंधन:

2000 के0वी0ए0 क्षमता के 5 डी0जी0 सेट
डीजल आवश्यकतानुसार।

मै0 एच0सी0एल0 आई0टी0 सिटी लखनऊ प्रा0लि0, चक मंजरिया फार्म, सुल्तानपुर रोड, जिला-लखनऊ।

उपर्युक्त विषय वस्तु में से किसी भी प्रकार से परिवर्तन करने पर पुनः अनापत्ति प्रमाण-पत्र प्राप्त करना आवश्यक होगा।

1. इकाई का संचालन तब तक प्रारम्भ नहीं किया जायेगा जब तक कि वह राज्य बोर्ड से जल एवं वायु अधिनियमों के अन्तर्गत सहमति प्राप्त न कर ले। जल एवं वायु सहमति प्राप्त करने हेतु इकाई में संचालन प्रारम्भ करने की तिथि से कम से कम 02 माह पहले निर्धारित सहमति आवेदन पत्रों को संचालन पूर्व प्रथम आवेदन का उल्लेख करते हुये इस कार्यालय में अवश्य जमा कर दिया जाये।
2. इकाई द्वारा दिये गये प्रस्ताव के अनुसार 830 कै0एल0डी0 क्षमता के एस0टी0पी0 की स्थापना की जाये तथा एस0टी0पी0 के विभिन्न इकाईयों की मापों, आदि का पूर्ण विवरण डिजाइन/डिटेल्स सहित विवरण एक माह में प्रेषित करें। एस0टी0पी0 द्वारा जनित उत्प्रवाह को शोधित कर सिंचाई/पलशिंग एवं कूलिंग इत्यादि में प्रयोग किया जाये तथा अतिरिक्त शोधित उत्प्रवाह को संबंधित विभाग के सक्षम अधिकारी की अनुमति के पश्चात पब्लिक सीवर लाइन के माध्यम से निस्तारित किया जायेगा।
3. परियोजना में प्रस्तावित नलकूपों द्वारा जल दोहन के सम्बन्ध में सम्बन्धित विभाग का अनापत्ति प्रमाण पत्र प्राप्त किया जाये।
4. इकाई द्वारा प्लास्टिक रूल्स, 2011 एवं हैजार्डस वेस्ट रूल्स आदि का समुचित अनुपालन करना अनिवार्य होगा।
5. इकाई द्वारा नगरीय ठोस अपशिष्ट का एकत्रण, भण्डारण एवं निस्तारण व्यवस्था म्यूनिसिपल सालिड वेस्ट रूल्स-2000 के अनुसार किया जाये।
6. इकाई में प्रस्तावानुसार तथा आवश्यकता के अनुरूप रेन वाटर हार्वेस्टिंग एवं ग्राउण्ड वाटर रिचार्जिंग की स्थापना आवश्यकता के अनुरूप किया जाये।
7. प्रस्तावित स्थल पर परियोजना की स्थापना हेतु सक्षम अभिकरण से स्वीकृत मानचित्र प्राप्त किया जाये।
8. एस0टी0पी0 से जनित ठोस अपव्यय का प्रयोग बायोक्म्पोस्टिंग के लिये किया जायेगा।
9. परियोजना परिसर में सौर ऊर्जा चालित प्रकाश व्यवस्था का वैकल्पिक प्रयोग अधिकाधिक स्थलों पर किया जाना सुनिश्चित किया जाये।
10. एस0टी0पी0 के संचालन की अवस्था को सुनिश्चित किये जाने हेतु पृथक एनर्जी मीटर स्थापित करें तथा उसकी लागिंग नियमित रखी जाये।
11. परियोजना में प्रस्तावित डी0जी0 सेट्स पर प्रस्तावानुसार बोर्ड मानकों के अनुरूप ध्वनि/वायु प्रदूषण नियंत्रण व्यवस्था स्थापित करें।
12. इकाई से जनित हैजार्डस वेस्ट, सालिड वेस्ट, ई-वेस्ट आदि का सेग्रिगेशन स्रोत पर ही किया जाये तथा भण्डारण एवं निस्तारण हैजार्डस वेस्ट रूल्स, म्यूनिसिपल सालिड वेस्ट रूल्स एवं ई-वेस्ट रूल्स के अनुसार ही किया जायेगा।
13. इकाई में निर्माण के दौरान जनित उत्सर्जकों के नियंत्रण हेतु तथा घरेलू उत्प्रवाह के निस्तारण हेतु उचित प्रबन्ध करना अनिवार्य होगा।
14. परियोजना में प्रस्तावानुसार एवं यथा संभव खाली स्थलों पर हरितपट्टिका का विकास किया जाना अनिवार्य है।
15. डी0जी0 सेट से जनित निष्प्रयोज्य लुब्रिकेण्ट ऑयल को बोर्ड से अधिकृत (प्राधिकार प्राप्त) रिसाइक्लर को देना सुनिश्चित करें।
16. आकस्मिक दुर्घटना से बचाव हेतु सुरक्षा के समुचित प्रबन्ध करें एवं उक्त के सम्बन्ध में सक्षम विभाग की अनापत्ति प्रमाण पत्र प्राप्त करना अनिवार्य है।
17. निर्माण के दौरान धूल उत्सर्जक से प्रदूषण के रोकथाम हेतु वाटर स्प्रेकलिंग की उचित व्यवस्था तथा ध्वनि प्रदूषण के रोकथाम हेतु आवश्यक उपाय किये जायेंगे तथा निर्माण के दौरान प्रस्तावानुसार उचित पर्यावरण प्रबन्ध सुनिश्चित किया जाये।


मै 0 एच0सी0एच0 आई0टी0 सिटी लखनऊ प्रो0लि0, बक राजरिया फार्म, सुल्तानपुर रोड, जिला-लखनऊ।

18. परियोजना हेतु राज्य बोर्ड से पृथक से अनापत्ति प्रमाण पत्र प्राप्त किये बिना हाट मिक्स/रेडी मिक्स/वेट मिक्स प्लाण्ट की स्थापना नहीं की जायेगी।
19. परियोजना में संचालित वाणिज्यिक प्रयोग में प्लास्टिक कैंरी बैग्स का प्रयोग न्यूनतम से न्यूनतम रखा जाये।
20. पर्यावरण एवं वन मंत्रालय भारत सरकार, नई दिल्ली के नोटिफिकेशन दिनांक 14.09.2006 के अनुपालन में पर्यावरणीय स्वीकृति प्राप्त किया जाये।

उपरोक्त शर्तों का अनुपालन न किये जाने की दशा में उद्योग द्वारा प्रेषित बैंक गारन्टी संख्या 00220100002052 Rs. 10,00,000/- बोर्ड के पक्ष में जब्त की जा सकती है।

कृपया ध्यान दें कि उपर्युक्त लिखित विशिष्ट शर्तों एवं सामान्य शर्तों का प्रभावी एवं संतोषजनक अनुपालन न करने पर बोर्ड द्वारा निर्गत अनापत्ति प्रमाण पत्र निरस्त कर दिया जाएगा। बोर्ड का अधिकार सुरक्षित है कि अनापत्ति की शर्तों में संशोधन किया जाय अथवा निरस्त कर दिया जाय। उपर्युक्त विशिष्ट एवं सामान्य शर्तों के सम्बन्ध में उद्योग द्वारा इस कार्यालय में दिनांक 31.07.2015 तक प्रथम अनुपालन आख्या अवश्य प्रेषित की जाए। अनुपालन आख्या नियमित प्रेषित की जाए अन्यथा अनापत्ति प्रमाण पत्र निरस्त भी किया जा सकता है।

भवदीय,


सदस्य सचिव


पृष्ठांकन सं०

/ एन. ओ. सी.

तद दिनांक

प्रतिलिपि:

क्षेत्रीय अधिकारी, उ० प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।


मुख्य पर्यावरण अधिकारी
(सर्किल-5)

टी.सी. - १२, वी. विभूति खण्ड

गोमतीनगर, लखनऊ-226010

दूरभाष 2720831, 2720828, 2720691, 2720681

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Web Site: www.uppcb.com

ANNEXURE-III

Photographs showing First Aid Kit

Photograph Showing First Aid Kit



ANNEXURE-IV

Photographs of the green belt
development

Photographs showing Green Belt



ANNEXURE-V

Lab Analysis Report

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Lab Reference No.

Issue Date

Your Reference

Amend. No. & Amend. Date : 02
& 17.02.2018

: 181204007 A

: 12/12/2018

: Email

(Page 1 of 1)

Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 29/11/2018 to 30/11/2018.

Type of sample	: Ambient Air	Sample Registration Date	: 04/12/2018
Sampling Date	: 29/11/2018- 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Gate No. 1	Sampling Method	: ELPL/III/SOP/21

S.No.	Test Parameters	Units	Results	NAAQS	Test Method
1	Particulate Matter as PM ₁₀	µg/m ³	285	100 (24 Hourly)	IS 5182 (Pt-23)
2	Particulate Matter as PM _{2.5}	µg/m ³	76.7	060 (24 Hourly)	ELPL/III/SOP/23
3	Sulphur Dioxide as SO ₂	µg/m ³	24.2	080 (24 Hourly)	IS 5182 (Pt-02)
4	Oxides of Nitrogen as NO _x	µg/m ³	46.5	080 (24 Hourly)	IS 5182 (Pt-06)
5	Carbon Monoxide as CO	mg/m ³	0.12	002 (08 Hourly)	IS 5182 (Pt-10)

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Sharma)



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Tel: +91 1204164485, CIN- U93000DL2014PTC267663

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New Delhi- 110019

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Amend. No. & Amend. Date : 02
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Lab Reference No.

: 181204008 N

Issue Date

: 12/12/2018

Your Reference

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(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 29/11/2018 to 30/11/2018.

Type of sample	: Ambient Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 29/11/2018-30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Gate No. 1	Sampling Method	: ELPL/III/SOP/37

Time	Leq	Method
Day Time(06:00 am to 10:00 pm)	57.4	ELPL/III/SOP/37
Night Time(10:00 pm to 06:00 am)	39.2	ELPL/III/SOP/37

Standards for Ambient Noise			
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

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Sharma)

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Lab Reference No.

Issue Date

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: 181204009 A

: 12/12/2018

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(Page 1 of 1)

Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 30/11/2018 to 01/12/2018.

Type of sample	: Ambient Air	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018- 01/12/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Gate No. 1	Sampling Method	: ELPL/III/SOP/21

S.No.	Test Parameters	Units	Results	NAAQS	Test Method
1	Particulate Matter as PM ₁₀	µg/m ³	291.8	100 (24 Hourly)	IS 5182 (Pt-23)
2	Particulate Matter as PM _{2.5}	µg/m ³	93.4	060 (24 Hourly)	ELPL/III/SOP/23
3	Sulphur Dioxide as SO ₂	µg/m ³	20.8	080 (24 Hourly)	IS 5182 (Pt-02)
4	Oxides of Nitrogen as NO _x	µg/m ³	38.2	080 (24 Hourly)	IS 5182 (Pt-06)
5	Carbon Monoxide as CO	mg/m ³	0.11	002 (08 Hourly)	IS 5182 (Pt-10)

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Sudamini Sharma)

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ecosteps laboratory

TEST REPORT

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Doc No. ELPL/IV/QF/20

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& 17.02.2018

: 181204010 N

: 12/12/2018

: Email

(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 30/11/2018 to 01/12/2018.

Type of sample	: Ambient Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018- 01/12/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Gate No. 1	Sampling Method	: ELPL/III/SOP/37

Time	Leq	Method
Day Time(06:00 am to 10:00 pm)	54.4	ELPL/III/SOP/37
Night Time(10:00 pm to 06:00 am)	40.7	ELPL/III/SOP/37

Standards for Ambient Noise			
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

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.

Analyzed By
(Vikas Kumar)

Checked By
(Sachin Mitta)

Authorized Signatory
(Sudamini Sharma)

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Doc No. ELPL/IV/QF/20

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& 17.02.2018

Lab Reference No.

: 181204001 W

Issue Date

: 12/12/2018

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 01/12/2018.

Type of sample	: Ground Water	Sample Registration Date	: 04/12/2018
Sampling Date	: 01/12/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Near Project Site	Sampling Method	: ELPL/III/SOP/20

Page 1 of 2

S.No.	Test Parameters	Units	Results	IS 10500 : 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
1	Color	Hazen	<5.0	5	15	IS 3025 (Pt-04)
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-05)
3	pH	-	7.62	6.5-8.5	No relaxation	IS 3025 (Pt-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-08)
5	Turbidity	NTU	<1.0	1	5	IS 3025 (Pt-10)
6	Total Dissolved Solids	mg/l	454	500	2000	IS 3025 (Pt-16)
7	Ammonia (as total ammonia-N)	mg/l	<0.5	0.5	No relaxation	IS 3025 (Pt-34)
8	Anionic Detergents (as MBAS)	mg/l	<0.1	0.2	1.0	Annex K of IS 13428
9	Calcium as Ca	mg/l	36.9	75	200	IS 3025 (Pt-40)
10	Chloramines (as Cl ₂)	mg/l	<1.0	4.0	No relaxation	IS 3025 (Pt-26)
11	Chloride as Cl	mg/l	8	250	1000	IS 3025 (Pt-32)
12	Fluoride as F	mg/l	0.76	1.0	1.5	APHA 23 rd Ed 4500F
13	Free Residual Chlorine	mg/l	<0.05	0.2*	1*	IS 3025 (Pt-26)
14	Nitrate as NO ₃	mg/l	5	45	No relaxation	IS 3025 (Pt-34)
15	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	<0.01	0.001	0.002	IS 3025 (Pt-43)
16	Sulphate as SO ₄	mg/l	7	200	400	IS 3025 (Pt-24)
17	Sulphide (as H ₂ S)	mg/l	<0.05	0.05	No relaxation	IS 3025 (Pt-29)
18	Total Alkalinity as CaCO ₃	mg/l	212	200	600	IS 3025 (Pt-23)
19	Total Hardness as CaCO ₃	mg/l	204	200	600	IS 3025 (Pt-21)
20	Cyanide (as CN)	mg/l	<0.02	0.05	No relaxation	IS 3025 (Pt-27)
21	Aluminum (as Al)	mg/l	<0.01	0.03	0.2	APHA 23 rd Ed.3120B
22	Barium (as Ba)	mg/l	<0.1	0.7	No relaxation	APHA 23 rd Ed.3120B
23	Boron (as B)	mg/l	<0.2	0.5	1.0	APHA 23 rd Ed.3120B
24	Copper (as Cu)	mg/l	<0.02	0.05	1.5	APHA 23 rd Ed.3120B
25	Iron as Fe	mg/l	0.06	1.0	No relaxation	IS 3025 (Pt-53)
26	Magnesium as Mg	mg/l	27.2	30	100	APHA 23 rd Ed.3500 mg B

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Sudamini Sharma)

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& 17.02.2018

Lab Reference No.

: 181204001 W

Issue Date

: 12/12/2018

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 01/12/2018.

Type of sample	: Ground Water	Sample Registration Date	: 04/12/2018
Sampling Date	: 01/12/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Near Project Site	Sampling Method	: ELPL/III/SOP/20

Page 2 of 2

S. No.	Test Parameters	Units	Results	IS 10500 : 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
27	Manganese as Mn	mg/l	<0.01	0.1	0.3	APHA 23 rd Ed.3120B
28	Selenium (as Se)	mg/l	<0.01	0.01	No relaxation	APHA 23 rd Ed.3120B
29	Silver (as Ag)	mg/l	<0.05	0.1	No relaxation	APHA 23 rd Ed.3120B
30	Zinc (as Zn)	mg/l	<0.05	5	15	APHA 23 rd Ed.3120B
31	Cadmium (as Cd)	mg/l	<0.003	0.003	No relaxation	APHA 23 rd Ed.3120B
32	Lead (as Pb)	mg/l	<0.003	0.01	No relaxation	APHA 23 rd Ed.3120B
33	Mercury (as Hg)	mg/l	<0.001	0.001	No relaxation	APHA 23 rd Ed.3120B
34	Molybdenum (as MO)	mg/l	<0.05	0.07	No relaxation	APHA 23 rd Ed.3120B
35	Nickel (as Ni)	mg/l	<0.02	0.02	No relaxation	APHA 23 rd Ed.3120B
36	Total Arsenic (as As)	mg/l	<0.01	0.01	No relaxation	APHA 23 rd Ed.3120B
37	Total Chromium (as Cr)	mg/l	<0.05	0.05	No relaxation	APHA 23 rd Ed.3120B

*****END OF REPORT*****

Note : (*) Acceptable limit If sample is chlorinated.

Analyzed By
(Vikas Kumar)

Checked By
(SnahSmita)

Authorized Signatory
(Suadmini Sharma)



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Lab Reference No.

: 181204004 DN

Issue Date

: 12/12/2018

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: Email

(Page 1 of 1)


Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

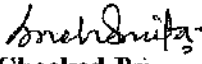
Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 380 KVA	73.6	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vilas Kumar)


Checked By
(Saeh Smita)


Authorized Signatory
(Suadmini Sharma)

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& 17.02.2018

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Issue Date : 12/12/2018

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(Page 1 of 1)

Sample Particulars: Soil sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 01/12/2018.

Type of sample	: Soil	Sample Registration Date	: 04/12/2018
Sampling Date	: 01/12/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 1 Kg approx.	Tests Required	: Mentioned below
Sample's Location	: Near Project Site	Sampling Method	: Grab Method

S.No.	Test Parameters	Unit	Result	Test Method
1	pH (1:5)	-	9.18	IS 2720(P-26)
2	Conductivity (1:5)	µmhos/cm	171	USDA Method
3	Color	-	Gray	USDA Method
4	Texture		Sandy Clay Loam	
	Silt	%	18	
	Clay	%	31	USDA Method
	Sand	%	51	
5	Sodium Absorption Ratio	-	1.06	USDA Method
6	Cation Exchange Capacity	Meq/100gm	14	IS 2720(P-24)
7	Porosity	%	23.5	USDA Method
8	Water Holding Capacity	%	35	USDA Method
9	Bulk Density	gm/cc	1.43	USDA Method
10	Chloride as Cl	mg/kg	405	USDA Method
11	Calcium as Ca	mg/kg	2163	USDA Method
12	Sodium as Na	mg/kg	195	USDA Method
13	Potassium as K	mg/kg	20	USDA Method
14	Magnesium as Mg	mg/kg	240	USDA Method
15	Organic matter	%	0.25	IS 2720(P-22)
16	Available Nitrogen	mg/kg	58	USDA Method
17	Phosphorous	mg/kg	64	USDA Method

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadami Sharma)

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(Page1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 304 KW (380 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.1
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 36
Ambient Temperature (k) : 297
Stack Temperature (k) : 372
Average velocity of flue emission (m/s) : 7.91
Isokinetic flow rate (l/m) : 25.90
Flue gas flow rate (m³/hr.) : 223.53
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	0.12	g/kw-hr	IS 11255(P-1)	≤ 0.2
2.	Sulphur Dioxide(SO ₂)	0.23	g/kw-hr	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NO _x)	0.76	g/kw-hr	IS 11255(P-7)	≤ 4.0
4.	Hydrocarbon(HC) as CH ₄	<0.4	g/kw-hr	IS 5182(P-17)	
5.	Carbon monoxide(CO)	0.06	g/kw-hr	IS 13270:1992	≤ 3.5

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Sharma)

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(Page 1 of 1)

Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 1010 KVA	67.2	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.

Analyzed By
(Vikas Kumar)

Checked By
(Sneha Smita)

Authorized Signatory
(Suadamini Sharma)



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(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh., on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 800 KW (1010 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Round
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.2
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 38
Ambient Temperature (K) : 295
Stack Temperature (K) : 374
Average velocity of flue emission (m/s) : 8.11
Isokinetic flow rate (l/m) : 26.40
Flue gas flow rate (m³/hr.) : 916.75
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	0.085	g/kw-hr	IS 11255(P-1)	≤ 0.2
2.	Sulphur Dioxide(SO ₂)	0.56	g/kw-hr	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NOx)	1.75	g/kw-hr	IS 11255(P-7)	≤ 4.0
4.	Hydrocarbon(HC) as CH ₄	<1.0	g/kw-hr	IS 5182(P-17)	
5.	Carbon monoxide(CO)	0.02	g/kw-hr	IS 13270:1992	≤ 3.5

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Sharma)

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Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

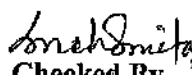
Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 1500 KVA	72.4	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikas Kumar)


Checked By
(Snehsmita)


Authorized Signatory
(Suadmini Sharma)

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Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 1200 KW (1500 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.2
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 36
Ambient Temperature (k) : 304
Stack Temperature (k) : 372
Average velocity of flue emission (m/s) : 8.01
Isokinetic flow rate (l/m) : 26.21
Flue gas flow rate (m³/hr.) : 905.45
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	56	mg/Nm ³	IS 11255(P-1)	75
2.	Sulphur Dioxide(SO ₂)	76.4	mg/Nm ³	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NO _x)	225.3	mg/Nm ³	IS 11255(P-7)	710
4.	Hydrocarbon(HC) as CH ₄	<1.0	mg/Nm ³	IS 5182(P-17)	100
5.	Carbon monoxide(CO)	10	mg/Nm ³	IS 13270:1992	150

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamin Sharma)

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Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

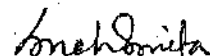
Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 1500 KVA	74.2	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikas Kumar)


Checked By
(Sneha Smits)


Authorized Signatory
(Suadamin Sharma)

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: 12/12/2018

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(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 1200 KW (1500 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.2
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 38
Ambient Temperature (k) : 305
Stack Temperature (k) : 374
Average velocity of flue emission (m/s) : 8.04
Isokinetic flow rate (l/m) : 26.19
Flue gas flow rate (m³/hr.) : 908.84
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	74	mg/Nm ³	IS 11255(P-1)	75
2.	Sulphur Dioxide(SO ₂)	58	mg/Nm ³	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NOx)	173	mg/Nm ³	IS 11255(P-7)	710
4.	Hydrocarbon(HC) as CH ₄	<1.0	mg/Nm ³	IS 5182(P-17)	100
5.	Carbon monoxide(CO)	12	mg/Nm ³	IS 13270:1992	150

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Shafina)

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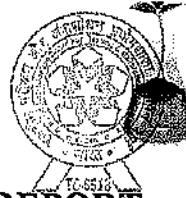
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Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

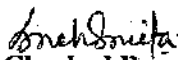
Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37


S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 1500 KVA	72.9	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikas Kumar)


Checked By
(Snehsmita)


Authorized Signatory
(Suadamini Sharma)

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Issue Date

: 12/12/2018

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 1200 KW (1500 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.2
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 36
Ambient Temperature (k) : 304
Stack Temperature (k) : 371
Average velocity of flue emission (m/s) : 8.18
Isokinetic flow rate (l/m) : 26.85
Flue gas flow rate (m³/hr.) : 924.6
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter (PM)	68	mg/Nm ³	IS 11255(P-1)	75
2.	Sulphur Dioxide (SO ₂)	61	mg/Nm ³	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen (NO _x)	184	mg/Nm ³	IS 11255(P-7)	710
4.	Hydrocarbon (HC) as CH ₄	<1.0	mg/Nm ³	IS 5182(P-17)	100
5.	Carbon monoxide (CO)	10	mg/Nm ³	IS 13270:1992	150

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(Snehl Smita)

Authorized Signatory
(Suadamini Sharma)

- The results indicated only refer to the tested samples and listed parameters & do not endorse any product.
- Test report is limited to the invoice raised.
- Test report cannot be produced in apart or as whole without laboratory permission.
- Samples shall be retained for four weeks after test report submitted.
- This report shall not be used for any legal purpose & any advertising media or as evidence in the court of law without prior written consent of the laboratory.



ISO 9001 & OHSAS 18001 Certified Laboratory

ECOSTEPS LABORATORY PRIVATE LIMITED

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ecosteps laboratory

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 181204034 DN

Issue Date

: 12/12/2018

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

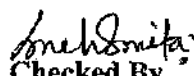
Type of sample	: DG Noise	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 05/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37


S.no.	Details of Source	Noise level at 1 meter from the enclosure surface	Units	Test Method
1.	DG 1500 KVA	74.1	dB(A)	ELPL/III/SOP/37

*****END OF REPORT*****

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikas Kumar)


Checked By
(Snehsmita)


Authorized Signatory
(Sundamini Sharma)

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ecosteps laboratory

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 181204033 E

Issue Date

: 12/12/2018

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 30/11/2018.

Type of sample	: DG Stack	Sample Registration Date	: 04/12/2018
Sampling Date	: 30/11/2018	Analysis Starting Date	: 04/12/2018
Sampling Done by	: Lab representative	Analysis Completion Date	: 11/12/2018
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/32

DG Capacity : 1200 KW (1500 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.2
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) : -
Time of sampling (minutes) : 36
Ambient Temperature (k) : 302
Stack Temperature (k) : 371
Average velocity of flue emission (m/s) : 8.13
Isokinetic flow rate (l/m) : 26.69
Flue gas flow rate (m³/hr.) : 919.01
Control Measures (if any) : Nil
Remark (If any) : Nil

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	61.9	mg/Nm ³	IS 11255(P-1)	75
2.	Sulphur Dioxide(SO ₂)	62	mg/Nm ³	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NO _x)	173	mg/Nm ³	IS 11255(P-7)	710
4.	Hydrocarbon(HC) as CH ₄	<1.0	mg/Nm ³	IS 5182(P-17)	100
5.	Carbon monoxide(CO)	12	mg/Nm ³	IS 13270:1992	150

*****END OF REPORT*****

Analyzed By
(Vikas Kumar)

Checked By
(SnehSmita)

Authorized Signatory
(Suadamini Sharma)

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E-mail: lab@ecostepslab.com | Website: www.ecostepslab.com

Tel: +91 1204164485, CIN- U93000DL2014PTC267663

Environmental Monitoring Report

1. Ambient Air Quality Monitoring (Location 1)

Ambient air quality monitoring was done at one location for one day at Project Site. The detail of monitoring schedule is given in **Table-1**.

Table 1: Schedule of Ambient Air Quality Monitoring

Day of sampling	Duration of sampling (hours)	Date		Sample collected on	Location
		From	To		
Day 1	24	29/11/2018	30/11/2018	30/11/2018	Gate no .1

Sulphur Dioxide (SO₂)

Monitoring results of SO₂ are given in **Table-1(a)** and graphical representation is given in **Figure-1(a)**.

Table 1(a): Monitoring results for SO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Sulphur Dioxide(SO ₂)	Gate no.1	Day 1	24.2	80	24 hours

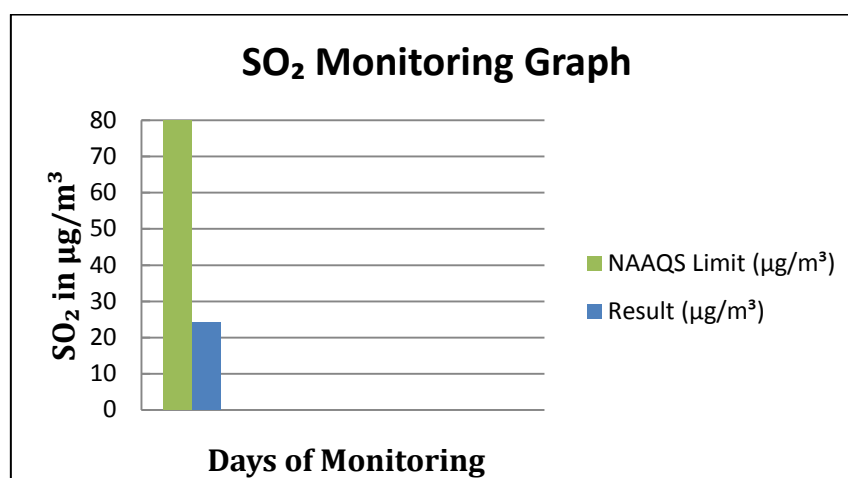


Figure 1(a): SO₂ concentrations at Project Site

The concentration of SO₂ was observed to be below limit as per National Ambient Air Quality Standard (NAAQS).

Nitrogen Dioxide (NO₂) Monitoring results of NO₂ is given in **Table-1(b)** and graphical representation is given in **Figure-1(b)**

Table-1(b): Monitoring results for NO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Nitrogen Dioxide(NO ₂)	Gate no.1	Day 1	46.5	80	24 hours

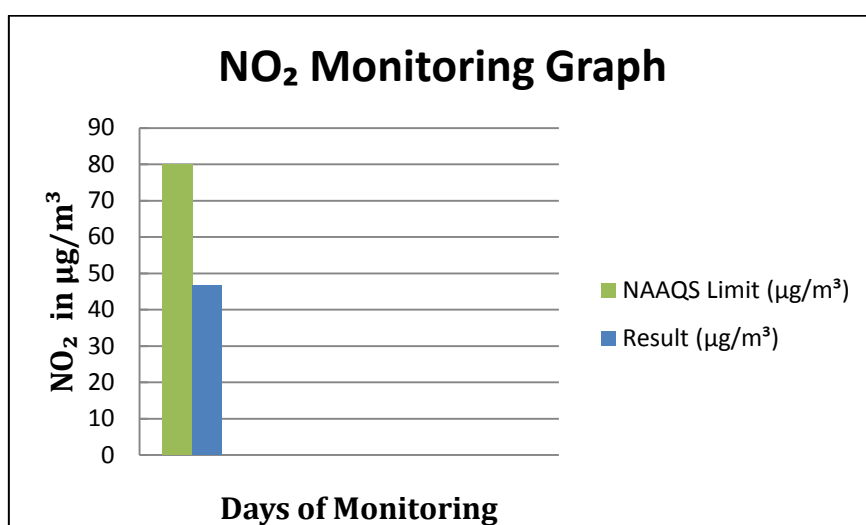


Figure 1(b): NO₂ concentrations at Project Site

The concentration of NO₂ was below the limits as per NAAQS.

Particulate Matter

PM₁₀: Monitoring results of PM₁₀ is given in **Table-1(c)** and graphical representation is given in **Figure-1(c)**

Table 1(c): Monitoring results for PM₁₀

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Particulate Matter (Size Less than 10µm) or PM ₁₀	Gate no.1	Day 1	285	100	24 hours

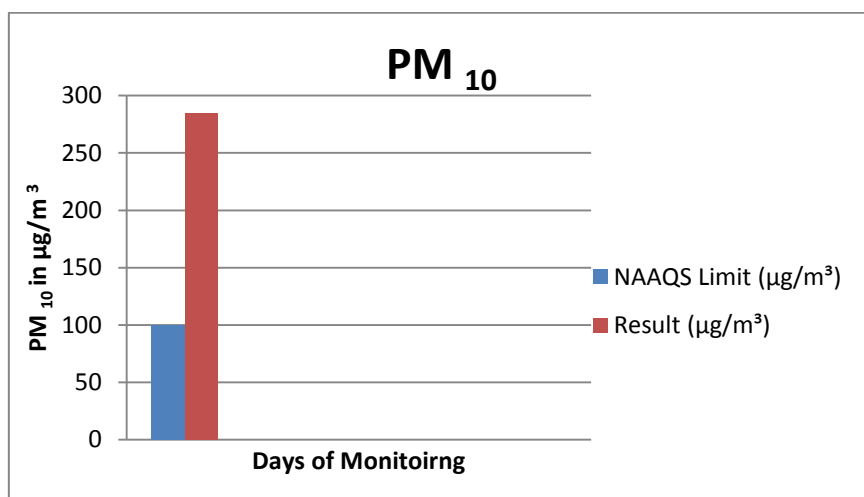


Figure 1(c): PM₁₀ concentrations at Project Site

The concentration of PM₁₀ was found to be higher than permissible limit due to vehicular emission around the site.

PM_{2.5}:

Monitoring results of PM_{2.5} is given in **Table-1(d)** and graphical representation is given in **Figure-1(d)**

Table 1(d): Monitoring results for PM_{2.5}

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Particulate Matter (Size Less than 2.5 µm) or PM _{2.5}	Gate no .1	Day 1	76.7	60	24 hours

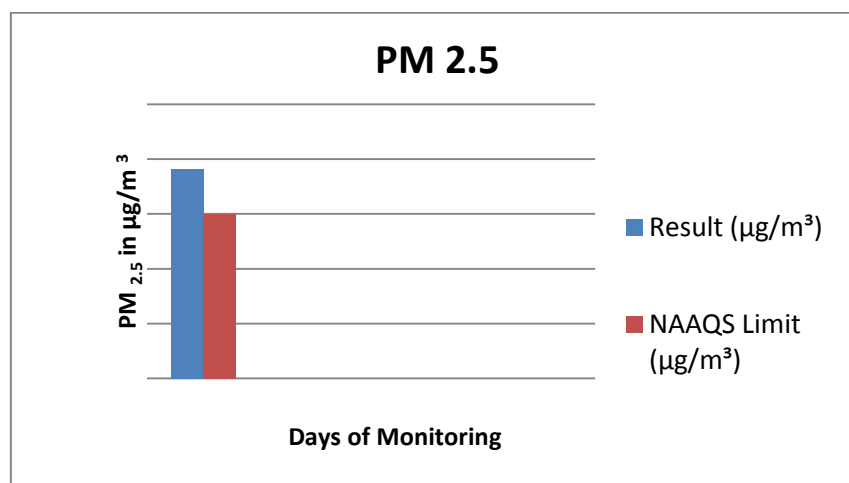


Figure 1(d): PM_{2.5} concentrations at Project Site

The concentration of PM_{2.5} was found to be higher than permissible limit due to vehicular emission around the site.

Carbon Monoxide (CO)

Monitoring results of CO is given in Table-1(e) and graphical representation is given in Figure-1(e).

Table 1(e): Monitoring results for CO

Parameter	Location	Days	Results (mg/m ³)	NAAQS Limit (mg/m ³)	Time Weighted Average
Carbon monoxide (CO)	Gate no.1	Day 1	0.12	2	8 hours

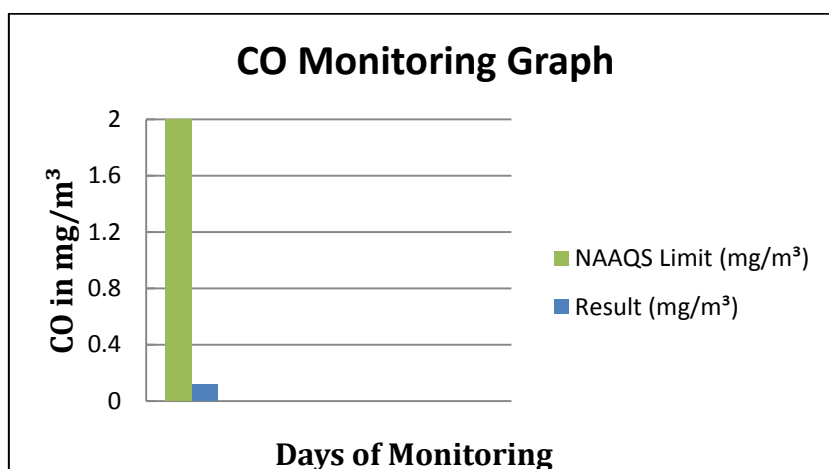


Figure 1(e): CO concentrations at Project site

The concentration of CO was within the limit as permissible by CPCB.

2. Noise Monitoring (Location 1)

Noise monitoring was done at one location for one day at Project Site. The details of monitoring are given in **Table-2**

Table 2: Schedule of Noise Monitoring

Day of sampling	Duration of sampling (hours)	Date		Sample collected on	Location
Day 1	24	From	To	30/11/2018	Gate no.1
		29/11/2018	30/11/2018		

Monitoring was done for 24 hours. The results for day time & night time observations are discussed below:

Day Time

Monitoring results of daytime is given in **Table-2(a)** and graphical representation is given in **Figure-2(a)**.

Table 2(a): Day Time monitoring results

Day	Result dB(A)	Permissible Limit dB(A)
Day 1	57.4	65

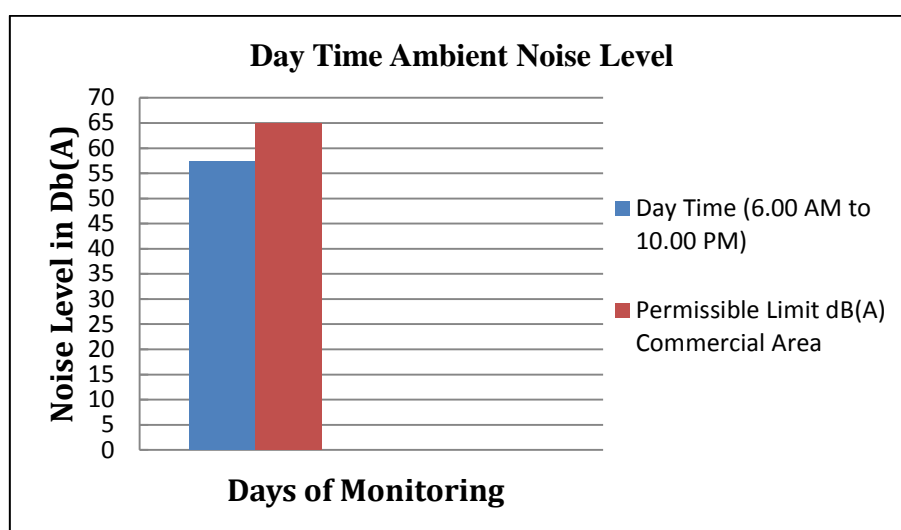


Figure 2(a): Graph showing day time noise monitoring results

The day noise result was found to be within the limit as permissible by CPCB.

Night Time

Monitoring results of night time is given in **Table-2(b)** and graphical representation is given in **Figure-2(b)**

Table 2(b): Night Time monitoring results

Night	Result dB(A)	Permissible Limit dB(A)
	Night Time (10:00 PM to 6:00 AM)	
Night 1	39.2	55

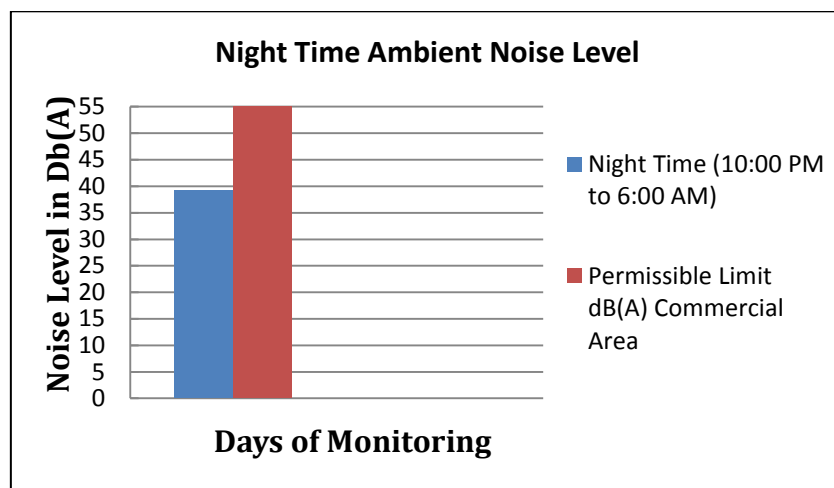


Figure 2(b): Graph showing night time noise monitoring results

The night noise result was found to be within the limit as permissible by CPCB.

3. Ambient Air Quality Monitoring **(Location 2)**

Ambient air quality monitoring was done at two locations for two days at Project Site. The detail of monitoring schedule is given in **Table-3**.

Table 3: Schedule of Ambient Air Quality Monitoring

Day of sampling	Duration of sampling (hours)	Date		Sample collected on	Location
		From	To		
Day 2	24	30/11/2018	01/12/2018	01/12/2018	Gate No. 1

Sulphur Dioxide (SO₂)

Monitoring results of SO₂ are given in **Table-3(a)** and graphical representation is given in **Figure-3(a)**.

Table 3(a): Monitoring results for SO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit(µg/m ³)	Time Weighted Average
Sulphur Dioxide(SO ₂)	Near Gate 1	Day 2	20.8	80	24 hours

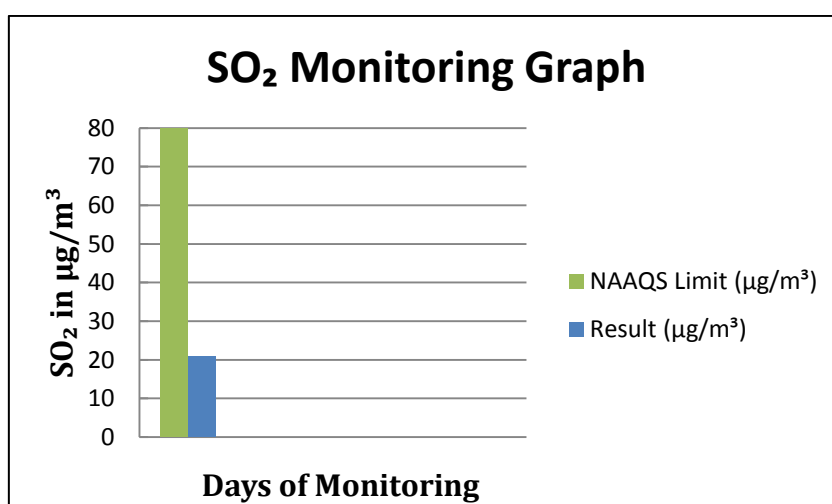


Figure 3(a): SO₂ concentrations at Near Gate 1

The concentration of SO₂ was observed to be below limit as permissible NAAQS

Nitrogen Dioxide (NO₂)

Monitoring results of NO₂ is given in **Table-3(b)** and graphical representation is given in **Figure-3(b)**

Table 3(b): Monitoring results for NO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Nitrogen Dioxide(NO ₂)	Near Gate 1	Day 2	38.2	80	24 hours

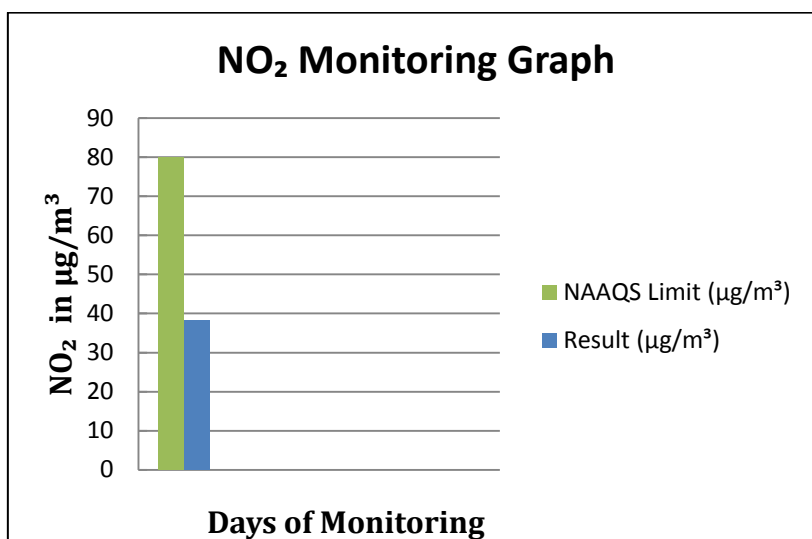


Figure 3(b): NO₂ concentrations at Near Gate 3

The concentration of NO₂ was below the limits as permissible by NAAQS.

Particulate Matter

PM₁₀:

Monitoring results of PM₁₀ is given in **Table-3(c)** and graphical representation is given in **Figure-3(c)**

Table3(c): Monitoring results for PM₁₀

Parameter	Location	Days	Results (µg/m ³)	NAAQS Limit (µg/m ³)	Time Weighted Average
Particulate Matter	Near Gate 1	Day 2	291.8	100	24 hours

(Size Less than 10µm) or PM ₁₀					
---	--	--	--	--	--

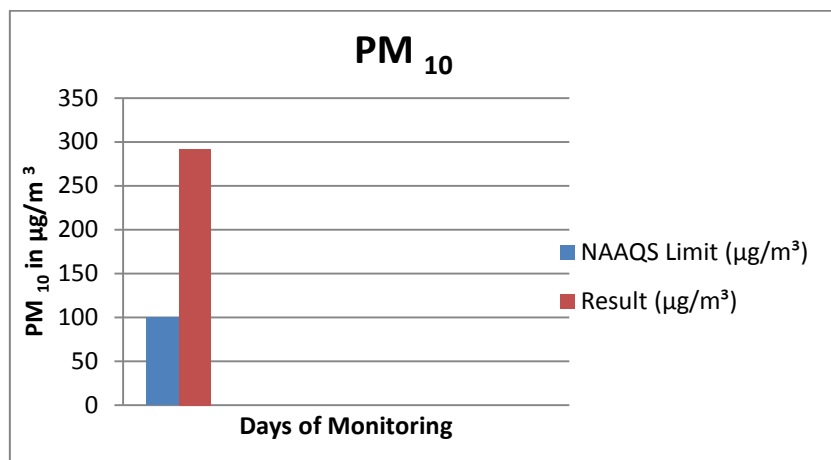


Figure 3(c): PM₁₀ concentrations at Near Gate 3

The concentration of PM₁₀ was found to be higher than permissible limit by NAAQS due to vehicular emission around the site.

PM_{2.5}:

Monitoring results of PM_{2.5} is given in **Table-3(d)** and graphical representation is given in **Figure-3(d)**

Table 3(d): Monitoring results for PM_{2.5}

Parameter	Location	Days	Results (µg/m³)	NAAQS Limit (µg/m³)	Time Weighted Average
Particulate Matter (Size Less than 2.5 µm) or PM _{2.5} µg/m³	Near Gate 1	Day 2	93.4	60	24 hours

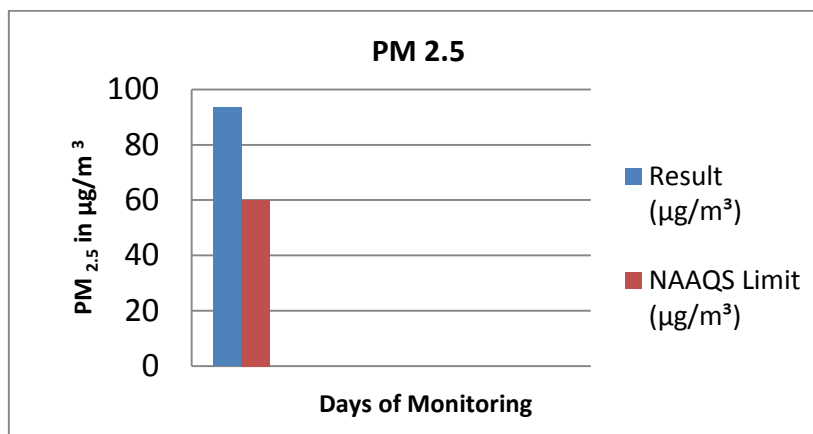


Figure 3(d): PM_{2.5} concentrations at Near Gate 3

The concentration of PM_{2.5} was found to be higher than permissible limit by CPCB because normal ambient air quality in Delhi/NCR is already high and also due to vehicular emission at site.

Carbon Monoxide (CO)

Monitoring results of CO is given in Table-3(e) and graphical representation is given in Figure-3(e)

Table 3(e): Monitoring results for CO

Parameter	Location	Days	Results (mg/m ³)	NAAQS Limit (mg/m ³)	Time Weighted Average
Carbon monoxide (CO)	Near Gate 1	Day 1	0.11	2	8 hours

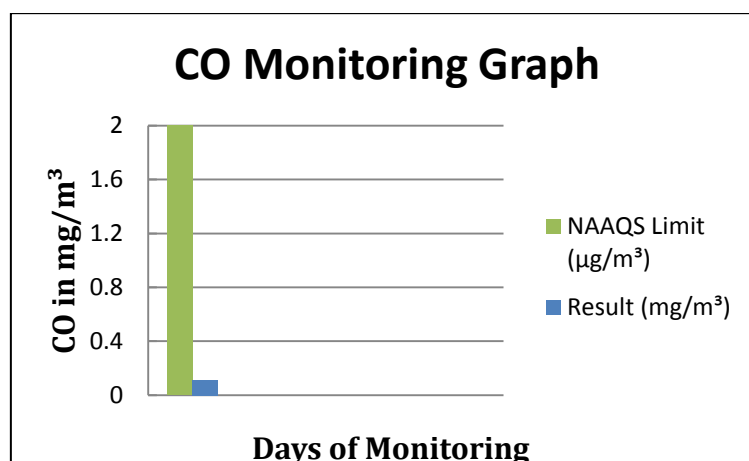


Figure 3(e): CO concentrations at Near Gate 1

The concentration of CO was within the limit as permissible by NAAQS.

Monitoring was done for 24 hours. The results for day time & night time observations are discussed below:

Day Time

Monitoring results of daytime is given in **Table-4(a)** and graphical representation is given in **Figure-4(a)**.

Table 4(a): Day Time monitoring results

Day	Result dB(A)	Permissible Limit dB(A)
Day 1	54.4	65

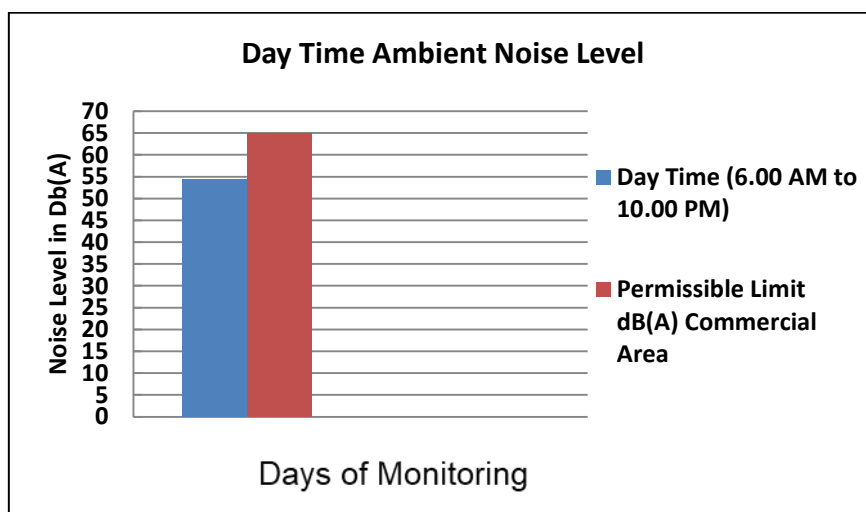


Figure 4(a): Graph showing day time noise monitoring results

The day noise result was found to be within the limit as permissible by CPCB.

Night Time

Monitoring results of night time is given in **Table-4(b)** and graphical representation is given in **Figure-4(b)**

Table 4(b): Night Time monitoring results

Night	Result dB(A)	Permissible Limit dB(A)
	Night Time (10:00 PM to 6:00 AM)	
Night 1	40.7	55

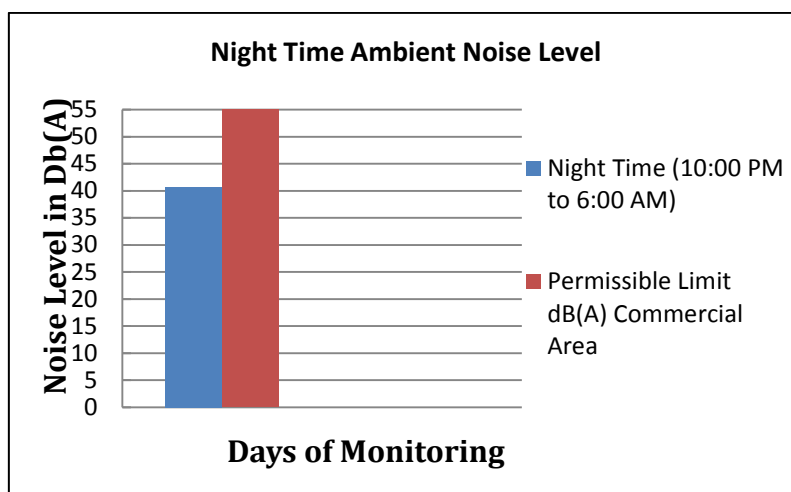


Figure 4(b): Graph showing night time noise monitoring results

The night noise result was found to be within the limit as permissible by CPCB.

5. Drinking water Monitoring

Schedule for Ground water monitoring is given in **Table 5**.

Table 5: Schedule for Ground water sample collection

Day of sampling	Sample collected on	Location
Day 1	1/12/2018	Project site

Ground water monitoring result is given in **Table 5**.

Table 5(a): - Ground water monitoring results

S.No.	Test Parameters	Units	Result	IS 10500: 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
1	Color	Hazen	<5.0	5	15	IS 3025 (Pt-04)
2	Odour	–	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-05)
3	pH	–	7.62	6.5-8.5	No relaxation	IS 3025 (Pt-11)
4	Taste	–	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-08)
5	Turbidity	NTU	<1.0	1	5	IS 3025 (Pt-10)
6	Total Dissolved Solids	mg/l	454	500	2000	IS 3025 (Pt-16)
7	Ammonia (as N)	mg/l	<0.5	0.5	No relaxation	IS 3025 (Pt-34)
8	Anionic Detergents (as MBAS)	mg/l	<0.1	0.2	1.0	Annex K of IS 13428
9	Calcium as Ca	mg/l	36.9	75	200	IS 3025 (Pt-40)
10	Chloramines as Cl ₂	mg/l	<1.0	4.0	No relaxation	IS 3025 (Pt-26)
11	Chloride as Cl	mg/l	8	250	1000	IS 3025 (Pt-32)
12	Fluoride as F	mg/l	0.76	1.0	1.5	APHA 22ND Ed 4500F
13	Free Residual Chlorine	mg/l	<0.05	0.2*	1*	IS 3025 (Pt-26)
14	Nitrate as NO ₃	mg/l	5	45	No relaxation	IS 3025 (Pt-34)
15	Phenolic Compounds	mg/l	<0.01	0.001	0.002	IS 3025 (Pt-43)
16	Sulphate as SO ₄	mg/l	7	200	400	IS 3025 (Pt-24)
17	Sulphide as H ₂ S	mg/l	<0.05	0.05	No relaxation	IS 3025 (Pt-29)
18	Total Alkalinity as CaCO ₃	mg/l	212	200	600	IS 3025 (Pt-23)
19	Total Hardness as CaCO ₃	mg/l	204	200	600	IS 3025 (Pt-21)
20	Cyanide as CN	mg/l	<0.02	0.05	No relaxation	IS 3025 (Pt-27)
21	Aluminium (as Al)	mg/l	<0.01	0.03	0.2	APHA 22ND Ed.3120B
22	Barium as Ba	mg/l	<0.1	0.7	No relaxation	APHA 22ND Ed.3120B
23	Boron as B	mg/l	<0.2	0.5	1.0	APHA 22ND Ed.3120B
24	Copper (as Cu)	mg/l	<0.02	0.05	1.5	APHA 22ND Ed.3120B
25	Iron as Fe	mg/l	0.06	1.0	No relaxation	IS 3025 (Pt-53)
26	Magnesium as Mg	mg/l	27.2	30	100	APHA 22ND Ed.3500 mg B
27	Manganese as Mn	mg/l	<0.01	0.1	0.3	APHA 22ND Ed.3120B
28	Selenium (as Se)	mg/l	<0.01	0.01	No relaxation	APHA 22ND Ed.3120B
29	Silver (as Ag)	mg/l	<0.05	0.1	No relaxation	APHA 22ND Ed.3120B
30	Zinc as Zn	mg/l	<0.05	5	15	APHA 22ND Ed.3120B
31	Cadmium (as Cd)	mg/l	<0.003	0.003	No relaxation	APHA 22ND Ed.3120B
32	Lead (as Pb)	mg/l	<0.003	0.01	No relaxation	APHA 22ND Ed.3120B

Information Technology Project “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh.

33	Mercury as Hg	mg/l	<0.001	0.001	No relaxation	APHA 22ND Ed.3120B
34	Molybdenum as Mo	mg/l	<0.05	0.07	No relaxation	APHA 22ND Ed.3120B
35	Nickel as Ni	mg/l	<0.02	0.02	No relaxation	APHA 22ND Ed.3120B
36	Total Arsenic as As	mg/l	<0.01	0.01	No relaxation	APHA 22ND Ed.3120B
37	Total Chromium as Cr	mg/l	<0.05	0.05	No relaxation	APHA 22ND Ed.3120B

6. Soil Monitoring

Soil sample was collected on 01/12/2018 from Near Project Site. Monitoring results are given in **Table 6**.

Table 6: Soil Monitoring Results

S. No.	Test Parameters	Unit	Results	Test Method
1	pH(1:5)	-	9.18	IS 2720 (P-26)
2	Conductivity(1:5)	µmhos/cm	171	USDA Method
3	Colour	-	Grey	USDA Method
4	Texture		Sandy Clay Loam	USDA Method
5	Silt	%	18	
6	Clay	%	31	
7	sand	%	51	
8	Sodium absorption ratio	-	1.06	USDA Method
9	Cation exchange capacity	Meq/100gm	14	IS 2720 (P-24)
10	Porosity	%	23.5	USDA Method
11	Water Holding Capacity	%	35	USDA Method
12	Bulk Density	gm/cc	1.43	USDA Method
13	Chloride as Cl	mg/kg	405	USDA Method
14	Calcium as Ca	mg/kg	2163	USDA Method
15	Sodium as Na	mg/kg	195	USDA Method
16	Potassium as K	mg/kg	20	USDA Method
17	Magnesium as Mg	mg/kg	240	USDA Method
18	Organic matter	%	0.25	IS 2720 (P-22)
19	Available Nitrogen	mg/kg	58	USDA Method
20	Phosphorous	mg/kg	64	USDA Method

7. Diesel Generator Noise Monitoring Results

D.G. set 1 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table-(7)** below:-

Table (7): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project Site	Noise	DG 380 KVA	73.6	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

8. Diesel Generator Stack Monitoring Result

D.G. set 1 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-8** below: -

Table (8)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarb on (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	ppmv	mg/Nm ³	mg/Nm ³
D.G set-I	380 KVA	0.12	0.23	0.76	<0.4	0.06
Emission Limits as per EP Rules		≤0.2	Not specified	≤4.0	≤4.0	≤3.5

9. Diesel Generator Noise Monitoring Results

D.G. set 2 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table- (9)** below:-

Table (9): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project site	Noise	DG 1010 KVA	67.2	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

10. Diesel Generator Stack Monitoring Result

D.G. set 2 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-10** below: -

Table (10)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarbon (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	ppmv	mg/Nm ³	mg/Nm ³
D.G set-2	1500 KVA	0.085	0.56	1.75	<1.0	0.02
Emission Limits as per EP Rules		≤0.2	Not specified	≤4.0	≤4.0	≤3.5

11. Diesel Generator Noise Monitoring Results

D.G. set 3 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table- (11)** below:-

Table (11): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project Site	Noise	DG 1500 KVA	72.4	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

12. Diesel Generator Stack Monitoring Result

D.G. set 3 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-12** below: -

Table (12)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarb on (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
D.G set- 3	1500 KVA	56	76.4	225.3	<1.0	10
Emission Limits as per EP Rules		75	Not specified	710	100	150

13. Diesel Generator Noise Monitoring Results

D.G. set 4 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table- (13)** below:-

Table (13): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project Site	Noise	DG 1500 KVA	74.2	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

14. Diesel Generator Stack Monitoring Result

D.G. set 4 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-14** below: -

Table (14)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarbon (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
D.G set-4	1500 KVA	74	58	173	<1.0	12
Emission Limits as per EP Rules		75	Not specified	710	100	150

15. Diesel Generator Noise Monitoring Results

D.G. set 5 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table-(15)** below:-

Table (15): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project Site	Noise	DG 1500 KVA	72.9	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

16. Diesel Generator Stack Monitoring Result

D.G. set 5 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-16** below: -

Table (16)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarbon (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
D.G set- 5	1500 KVA	68	61	184	<1.0	10
Emission Limits as per EP Rules		75	Not specified	710	100	150

17. Diesel Generator Noise Monitoring Results

D.G. set 6 was monitored for noise on 30/11/2018 at Project Site. The results are given **Table-(17)** below:-

Table (17): D.G. noise monitoring results

S.No	Location	Parameter	Details of Source	Noise level at 1 meter from the enclosure surface	Unit	Test Method
1	Project Site	Noise	DG 1500 KVA	74.1	dB(A)	ELPL/III/SOP/37

Noise Limit for DG set (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75db (A) at 1 meter from the enclosed surface the result obtained above is within the permissible limit.

18. Diesel Generator Stack Monitoring Result

D.G. set 6 was monitored for noise on 30/11/2018 at project site. The results are furnished in **Table-18** below: -

Table (18)- D.G. Stack Monitoring Result

D.G. Set Number	Capacity (KW)	Particulate Matter (PM)	Sulphur Di Oxide (SO ₂)	Oxides of Nitrogen (NO _x)	Hydrocarbon (HC)	Carbon Mono Oxide (CO)
		mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
D.G set- 6	1500 KVA	61.9	62	173	<1.0	12
Emission Limits as per EP Rules		75	Not specified	710	100	150

ANNEXURE-VI

Photographs of DG set within Acoustic
Enclosure

Photographs showing DG set



ANNEXURE-VII

CGWB NOC

प्रेषक,

निदेशक,
भूगर्भ जल विभाग, उ०प्र०,
नवौ तल, इन्दिरा भवन,
लखनऊ।

सेवा में,

मेसर्स एच०सी०एल० आई०टी० सिटी प्रा०लि०,
806 सिद्धार्थ, 96 नेहरू प्लेस,
नई दिल्ली-110019

संख्या- 927 / भू०ज०वि०/डी-20,

दिनांक/लखनऊ/मई 21, 2015

विषय:- एच०सी०एल० टेक्नोलाजी हब, चक गंजरिया फार्म, सुल्तानपुर रोड, लखनऊ में परियोजना प्रयोग के लिये भूजल दोहन हेतु अनापत्ति प्रमाण-पत्र के सम्बन्ध में।

महोदय,

उपरोक्त विषयक कृपया अपने पत्र दिनांक 05-05-2015 का संदर्भ ग्रहण करें, जिसके तत्कम में मेसर्स एच०सी०एल०, आई०टी० सिटी प्रा०लि० द्वारा टेक्नोलाजी हब बनाये जाने हेतु भूजल दोहन सम्बन्धी अनापत्ति प्रमाण-पत्र निर्गत किये जाने के संबंध में शासनादेश सं०-436/62-1-2004-863/98, दिनांक 25-05-2004 में दिये गये प्राविधान के अनुसार निर्धारित धनराशि रु० 5,000/- ट्रेजरी चालान फार्म सं०-जे 20027 द्वारा शासकीय कोषागार, जवाहर भवन, लखनऊ में जमा कराकर उसकी मूल प्रति उक्त फर्म द्वारा अपने पत्र दिनांक 21-05-2015 के साथ संलग्न कर इस कार्यालय में प्रेषित करते हुए अनापत्ति प्रमाणपत्र निर्गत किये जाने का अनुरोध किया गया है।

उक्त के संबंध में आप द्वारा उपलब्ध कराई गयी जानकारी के अनुसार प्रश्नगत टेक्नोलाजी हब हेतु पाँच बोरवेल से पेयजल/घरेलू कार्य हेतु प्रतिवर्ष लगभग 1,20,000 घन मी० तथा निर्माण अवधि में 1,35,000 घन मी० भूजल दोहन किया जायेगा। प्रश्नगत इकाई एच०सी०एल० आई०टी० सिटी का निर्माण तहसील-मोहनलालगंज, ब्लाक-गोसाईगंज जनपद-लखनऊ के अन्तर्गत प्रस्तावित है। भूजल संसाधन आंकलन 31-3-2011 के अनुसार जनपद-लखनऊ का विकासखण्ड-गोसाईगंज का वार्षिक भूजल विकास दर 53.89 प्रतिशत है तथा यह सुरक्षित श्रेणी में वर्गीकृत है।

उपरोक्तानुसार भूजल दोहन की अनुमति शासनादेश सं०-436/62-1-2004-863/98, दिनांक 25-05-2004 के प्रस्तर-2 में दिये गये निर्देशों के क्रम में मेसर्स एच०सी०एल० आई०टी० सिटी प्रा०लि० को उनके प्रस्ताव के क्रम में एतद्द्वारा निम्न शर्तों के अधीन प्रदान की जाती है:-

- 1- परियोजनान्तर्गत प्रस्तावित बोरवेल्स के मध्य न्यूनतम 200 मीटर की दूरी रखी जाये।
- 2- बोरवेल्स का प्रस्तावित डायमीटर एवं गहराई जल की आवश्यकता को देखते हुए अधिक प्रतीत होती है, अतः इस हेतु आवश्यकता के अनुरूप बोरवेल की डिजाइन कराकर डायमीटर एवं गहराई पुनः निर्धारित की जाये।
- 3- वर्तमान शासकीय प्राविधानानुसार 100 एकड़ में प्रस्तावित इस परियोजनान्तर्गत कुल क्षेत्रफल के लगभग 05 प्रतिशत भूमि पर वर्षा जल के सतही जल संग्रहण/जल संचयन को अपनाया जाये। चूँकि क्षेत्र में भूजल स्तर उथला है, अतः जलाशय/तालाब का निर्माण स्थानीय भूजल स्तर की

गहराई को ध्यान में रखकर इस प्रकार किया जायें कि तालाब की गहराई भूजल जल स्तर की गहराई से कम हो।

- 4- भूजल रिचार्जिंग की गाइड लाइन्स के आलोक में उथला भूजल स्तर होने के कारण रूफ टाप रेन हार्वेस्टिंग के अन्तर्गत रिचार्ज वेल विधा न अपनायी जाये, केवल सतही संग्रहण टैंक की व्यवस्था की जा सकती है जिसे गार्डनिंग व अन्य कार्यों में उपयोग किया जा सकता है।
- 5- भूजल स्तर एवं भूजल गुणवत्ता के नियमित अनुश्रवण हेतु परियोजना क्षेत्र में स्वयं की लागत पर एक पीजोमीटर (डिजिटल वाटर लेवल रिकार्डर सहित) की स्थापना, पर्यावरण विभाग, उ०प्र०शासन के शासनादेश सं०-2529/55पर्या/04, दिनांक 20-12-2004 में किये गये प्राविधान के अनुसार की जायेगी।
- 6- वर्ष में दो बार (प्री मानसून तथा पोस्ट मानसून काल में) भूजल स्तर का अनुश्रवण एवं भूजल गुणवत्ता का परीक्षण किया जायेगा तथा आंकड़े भूगर्भ जल विभाग (निदेशालय) को सूचित किये जायेंगे।
- 7- 05 बोरवेल्स द्वारा कुल भूजल दोहन की मात्रा के आधार पर वार्षिक भूजल दोहन आंकलित किया जायेगा, तथा सम्बन्धित सूचना भूगर्भ जल विभाग को नियमित रूप से उपलब्ध कराई जायेगी।
- 8- फ़ैक्ट्री परिसर में जल बचत/संरक्षण के सामान्य उपाय भी अपनाये जायेंगे।
उक्त अनापत्ति प्रमाण-पत्र दो वर्ष के लिये मान्य होगा।
भूगर्भ जल विभाग के सम्बन्धित अधिकारी वर्ष में 01 बार उक्त इकाई का भ्रमण कर यह देखेंगे कि उक्त शर्तों का अनुपालन सम्बन्धित इकाई द्वारा किया जा रहा है अथवा नहीं।
उपर्युक्त शर्तों का कड़ाई से पालन सुनिश्चित किया जाये।

भवदीय,

(पी० आर० चौरसिया)
निदेशक।

संख्या:- /भू०ज०वि०/तददिनांक।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

- 1- प्रमुख सचिव, लघु सिंचाई एवं भूगर्भ जल विभाग, उ०प्र०शासन, लखनऊ।
- 2- प्रबन्ध निदेशक, यू०पी० इलेक्ट्रानिक्स कारपोरेशन लिमिटेड, 10, अशोक मार्ग, लखनऊ।
- 3- सीनियर हाइड्रोजियोलॉजिस्ट, भूगर्भ जल विभाग खण्ड-लखनऊ।

(पी० आर० चौरसिया)
निदेशक।

ANNEXURE-VIII

Fire NOC

उत्तर

प्रदेश

अग्निशमन

सेवा

मुख्यालय

चतुर्थ/पंचम तल, इन्दिरा भवन, अशोक मार्ग लखनऊ-226001 दूरभाष नं० 0522-2287237

FIRE SERVICE HEAD QUARTERS OF UTTAR PRADESH

Four & Fifth Floor, Indira Bhawan, Ashok Marg, Lucknow-226001

पत्र संख्या-एफएस-1076/2015(151)

दिनांक : 25 - 03 - 2015

सेवा में,

मैसर्स एच.सी.एल० आई.टी.सिटी, लखनऊ प्रा०लि०,
806, सिद्धार्थ, 96, नेहरू प्लेस,
नई दिल्ली-110019

विषय: प्लॉट/भूखण्ड एच.सी.एल. आई.टी. सिटी चक गजरि फार्म सुल्तानपुर रोड
जिला-लखनऊ में मैसर्स एच.सी.एल० आई.टी.सिटी, लखनऊ प्रा०लि० द्वारा
प्रस्तावित भवनों की प्रोवीजनल अग्निशमन अनापत्ति प्रमाण पत्र निर्गत किये जाने
के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक अपने पत्र दिनांक: 13-03-2015 के माध्यम से उक्त प्रश्नगत
प्रस्तावित भवन की अग्निशमन अनापत्ति प्रमाण पत्र निर्गत किये जाने का अनुरोध किया गया है।

उक्त प्रश्नगत प्रस्तावित भवन के मानचित्रों में प्रस्तावित अग्निशमन व्यवस्थाओं एवं
अभिलेखों का परीक्षण अग्निशमन अधिकारी, पी०जी०आई० लखनऊ, मुख्य अग्निशमन अधिकारी, लखनऊ,
उप निदेशक, लखनऊ द्वारा किया गया। अग्निशमन अधिकारी, पी०जी०आई० लखनऊ, मुख्य अग्निशमन
अधिकारी, लखनऊ, उप निदेशक, लखनऊ की आख्या दिनांक: 23-03-2015 के अनुसार :-

भवन की संरचना:-

1-कुल भूखण्ड एरिया-404685.60 वर्ग मी०।

2-प्रस्तावित भवनों के भूतल कवर्ड एरिया-

आई.टी.ब्लॉक (फेज-01) के भूतल का कवर्ड एरिया-	4980.0 वर्ग मीटर।
ब्यायज हास्टल ब्लॉक (फेज-01) के भूतल का कवर्ड एरिया-	1925.0 वर्ग मीटर।
गर्ल्स हास्टल ब्लॉक (फेज-01) के भूतल का कवर्ड एरिया-	1180.0 वर्ग मीटर।
स्किल डेवलपमेंट सेंटर ब्लॉक (फेज-ए) के भूतल का कवर्ड एरिया-	1450.0 वर्ग मीटर।
कैफेटेरिया ब्लॉक के भूतल का कवर्ड एरिया-	1350.0 वर्ग मीटर।

3-प्रस्तावित भवनों के टिपिकल फ्लोर का कवर्ड एरिया का विवरण -

आई.टी. ब्लॉक के प्रथम तल से चौथे तल तक प्रत्येक तल का कवर्ड एरिया अलग-अलग
4785.0-4785.0 वर्ग मीटर मानचित्र में प्राविधानित है।

ब्यायज हास्टल ब्लॉक के प्रथम तल से 7वें तल तक प्रत्येक तल का कवर्ड एरिया
अलग-अलग 1700.0-1700.0 वर्ग मीटर मानचित्र में प्राविधानित है।

गर्ल्स हास्टल ब्लॉक के प्रथम तल से तृतीय तल तक प्रत्येक तल का कवर्ड एरिया
अलग-अलग 1350.0-1350.0 वर्ग मीटर तथा चौथे तल का कवर्ड एरिया 1295.0 वर्ग
मीटर मानचित्र में प्राविधानित है।

स्किल डेवलपमेंट सेंटर ब्लॉक के प्रथम तल व द्वितीय तल का प्रत्येक तल का कवर्ड
एरिया अलग-अलग 1345.0-1345.0 वर्ग मीटर मानचित्र में प्राविधानित है।

कैफेटेरिया ब्लॉक के प्रथम तल व द्वितीय तल का प्रत्येक तल का कवर्ड एरिया
अलग-अलग 1350.0-1350.0 वर्ग मीटर मानचित्र में प्राविधानित है।

4-प्रश्नगत भवन के बेसमेन्ट का कवर्ड एरिया- 15000.0 वर्ग मी० मानचित्र में प्राविधानित है।

5-भवन की ऊँचाई आई.टी. ब्लॉक- 21.50 मीटर, ब्यायज हास्टल ब्लॉक-27.30 मीटर, गर्ल्स हास्टल
ब्लॉक-17.50 मीटर, स्किल डेवलपमेंट सेंटर ब्लॉक-14.50 मीटर तथा कैफेटेरिया ब्लॉक-13.50 मीटर
मानचित्र में प्राविधानित है।

भवन का अधिभोग एवं हैजार्ड श्रेणी— प्रश्नगत भवन का अधिभोग एन0बी0सी0-2005 में शैक्षिक श्रेणी, आवासीय तथा विजनेस भवन के अन्तर्गत वर्गीकृत किया गया है

ढांचागत व्यवस्था:—

1— पहुच मार्ग:— भूखण्ड के सामने मानचित्रों में 45 मी0 रोड की चौड़ाई है।

2— प्रवेश द्वार/निकास की चौड़ाई— भवन परिसर में गेट 06-06 मी0 चौड़ाई के मानचित्र में प्राविधान किया गया है।

3— सैटबैक:— भवन का सैटबैक निम्नवत है:—

ए0—अग्रभाग— 12.0 मी0।

बी0—पृष्ठ भाग— 12.0 मी0।

सी0—पार्श्व भाग प्रथम— 12.0 मी0।

डी0—पार्श्व भाग द्वितीय—12.0 मी0 है।

उपरोक्तानुसार भवन के सैटबैक भवन विनियमावली के अनुसार है। सैटबैक सदैव अवरोध मुक्त रखे जायगे। सैटबैक में किसी प्रकार का स्थाई/अस्थायी निर्माण कार्य मान्य नहीं होगा। भवनों के चारों तरफ 06-06 मीटर मोटरबुल रखा जाना प्राविधानित है।

4— निकास मार्ग:— प्रस्तावित भवनों के ब्लॉक आई.टी.ब्लॉक में 02-02 मीटर चौड़ाई के 04 स्टेयरकेश, ब्यायज हास्टल ब्लॉक में 1.50-1.50 मीटर चौड़ाई के 04 स्टेयरकेश, गर्ल्स हास्टल ब्लॉक में 1.50-1.50 चौड़ाई के 03 स्टेयरकेश, स्किल डेवलपमेंट सेंटर ब्लॉक 2.40-2.40 मीटर चौड़ाई के 02 व 2.0 मीटर चौड़ाई का 01 स्टेयरकेश तथा कैफेटेरिया ब्लॉक में 2.0-2.0 मी0 चौड़ाई के दो तथा 2.50 मी0 चौड़ाई का एक स्टेयरकेश का मानचित्र में प्राविधान किया गया है, जिनकी फ्लोर के समस्त स्थानों से ट्रेवलिंग डिसटेंस अधिकतम अनुमन्य सीमा के अन्तर्गत है।

5—रिफ्यूज एरिया का विवरण:— ब्यायज हास्टल में प्राविधानित है।

अग्निशमन सुरक्षा व्यवस्था— प्रश्नगत भवन में निम्नलिखित अग्निशमन व्यवस्था मानचित्र में प्राविधानित है :-

1—भूमिगत टैंक: भवन परिसर में भूमिगत टैंक 300 के0एल0 क्षमता का मानचित्र में प्राविधानित है।

2—पम्प— भूमिगत टैंक के पास 2850 एल.पी.एम. क्षमता का एक अदद विद्युत चालित पम्प, 4550 एल.पी.एम. क्षमता का एक अदद डीजल चालित पम्प, दो अदद. जाकी पम्प 180-180 एल0पीएम0 क्षमता का 2850 एल.पी.एम. क्षमता का एक अदद स्प्रिंकलर पम्प तथा 1620 एल.पी.एम. क्षमता का एक अदद वाटर कर्टेन पम्प मानचित्र में प्राविधानित है।

3—होजरील :-प्रस्तावित भवनों में होजरील लैण्डिंग वाल्व आई0एस0-3844 मानको के अनुसार लगाया जाना मानचित्र में प्राविधानित है।

4—वेटराइजर: प्रस्तावित भवनों में वेट राइजर सिस्टम, एन0बी0सी0-2005 के मानकों के अनुरूप लगाया जाना मानचित्र में प्राविधानित है।

5—प्रस्तावित सम्पूर्ण भवन परिसर में यार्ड हाईड्रैण्टस होज केबिनेट एवं उसमें डिलीवरी होज तथा ब्रान्च पाइप एवं फायर सर्विस इन्लेट का प्राविधान आई0एस0-13039:1991 के अनुसार किया जाना मानचित्र में प्राविधानित है।

6—हस्त चालित इलैक्ट्रिक फायर एलार्म सिस्टम:—मैनुअल आपरेटिड इलैक्ट्रिक फायर एलार्म सिस्टम का प्राविधान एन0बी0सी0 मानको के अनुसार समस्त भवनों में लगाया जाना मानचित्र में प्राविधानित है।

7—स्वचालित डिडेक्शन एण्ड एलार्म सिस्टम:—प्रस्तावित भवन के मानचित्र में स्वचालित डिडेक्शन एण्ड एलार्म सिस्टम का प्राविधान किया जाना अंकित है।

8—स्वचालित स्प्रिंकलर सिस्टम:— भवन के बेसमेंट सहित आई.टी. ब्लॉक में आटोमेटिक स्प्रिंकलर सिस्टम एन0बी0सी0 मानकों के अनुसार लगाया जाना प्राविधानित है। स्प्रिंकलर सिस्टम में पानी की फीडिंग टेरस व अण्डर ग्राउण्ड टैंक दोनों से किया जाना अनिवार्य है।

9—टेरिस टैंक:— प्रश्नगत भवनों की टेरिस पर अग्निशमन कार्य हेतु टेरिस टैंक आई.टी. ब्लॉक, कैफेटेरिया ब्लॉक तथा स्किल डेवलपमेंट सेंटर ब्लॉक के टेरिस पर 10000-10000 ली0, ब्यायज हास्टल व गर्ल्स हास्टल के टेरिस पर 25000-25000 ली0 क्षमता का टेरिस टैंक स्थापित कराया जाना मानचित्र में प्राविधानित है।

- 10-टेरिस पम्प:-प्रश्नगत भवनों के ब्वायज व गर्ल्स ब्लॉक के टेरिस पर 900-900 एल.पी.एम. क्षमता का प्राविधानित है।
- 11-प्राथमिक अग्निशमन उपकरण (फायर एक्सटिंग्यूशर):- प्रस्तावित भवन में फायर एक्सटिंग्यूशर आई0एस0-2190-2010 के अनुसार लगाया जाना मानचित्र में प्राविधानित है।
- 12- स्मोक एक्सट्रैक्शन सिस्टम:-
ए0-फायर चैकडोर, स्मोक चैक डोर की लोकेशन व रेटिंग का 02 घण्टा रखा गया है।
बी0-सिस्टम की मैक अप एयर हेतु व्यवस्था किया जाना मानचित्र में प्राविधानित है।
सी0-स्मोक रिजरवायर एवं अनुमानित स्मोक लेयर आदि को आधारित करते हुए एक्सट्रैक्शन सिस्टम का तकनीकी विश्लेषण किया गया है।
- 13-पेशराईजेशन प्रणाली :-1-प्रश्नगत भवन के लाबी व स्टेयरकेस को पेशराईजेशन किया जाना मानचित्र में प्राविधानित व प्रयुक्त होने वाले फैनस की डक्टिंग इत्यादि है।
2- पेशराईजेशन सिस्टम, डिटेक्शन से इण्टरलिंक है जो एन0बी0सी0 के मानको के अनुरूप है।
- 14-एग्जिट साईनेज:-सम्पूर्ण भवन में एग्जिट साईनेज प्राविधानित किया जाना अनिवार्य है।
- 15-पी0ए0 सिस्टम:- पी0ए0सिस्टम की व्यवस्था सम्पूर्ण भवन में प्राविधानित किया गया है।
- 16- प्रश्नगत भवनो में इमरजेंसी/एस्केप लाइटिंग एन0बी0सी0-2005 पार्ट-04 में उल्लिखित मानकों के अनुसार कराया जाना अनिवार्य है।
- 17- भवन निर्माण के पश्चात व उपयोग के पूर्व भवन में अधिष्ठापित अग्निशमन प्रणाली के कुशल संचालन व सदैव कार्यशील दशा में रखने हेतु एन0बी0सी0-2005, पार्ट-04 के प्रस्तर-सी-05, सी-06, सी-07, सी-08 व सी-09 में उल्लिखित मानकों का पालन किया जाना अनिवार्य है।
- 18- भवन में एन0बी0सी0-2005, पार्ट-04 के प्रस्तर सी- 1.15 के अनुसार एक वैकल्पिक उर्जा श्रोत (जनरेटर सेट) स्थापित कर उससे भवन की अग्निशमन प्रणाली, फायर लिफ्ट, स्टेयरकेसों व कोरीडोर की लाइटों, स्टैंड बाई फायर पम्प को पृथक लाइन (वायरिंग) फायर सेफ डक्ट से सुरक्षित जोड़ा जाना अनिवार्य है।

अतः उपरोक्तानुसार मैसर्स एच.सी.एल.आई.टी. सिटी लखनऊ प्रा0लि0 द्वारा चक गजरा फार्म सुल्तानपुर रोड लखनऊ में प्रस्तावित भवनों के निर्माण हेतु अग्निशमन अनापत्ति प्रमाण पत्र इस शर्त के साथ निर्गत किया जाता है कि आवेदक द्वारा भवन/इकाई में अग्नि से सुरक्षा सम्बन्धी सभी प्रस्तावित प्राविधान भवन विनियमावली तथा नेशनल बिल्डिंग कोड ऑफ इण्डिया-2005 में उल्लेखित मानको के अनुसार करायें जायेंगे तथा भवन के निर्माणोपरान्त भवन का प्रयोग करने से पहले भवन में अग्नि से सुरक्षा व्यवस्थायें मानकों के अनुसार भौतिक रूप से स्थापित कर उनका निरीक्षण/परीक्षण अग्निशमन विभाग से कराकर अन्तिम अग्निशमन अनापत्ति प्रमाण पत्र प्राप्त किया जायेगा अन्यथा निर्गत किया जा रहा भवन निर्माण हेतु प्रोविजनल अनापत्ति प्रमाण पत्र स्वतः ही निरस्त समझा जायेगा।

संलग्नक : मानचित्र।


(अरविन्द कुमार)
संयुक्त निदेशक,
अग्निशमन सेवा मुख्यालय,
उ0प्र0 लखनऊ।

प्रतिलिपि -

- 1- उपनिदेशक, फायर सर्विस, लखनऊ परिक्षेत्र को उनके पत्र सं0- अ-7-डीडी (लखनऊ)-2012 दिनांक 23-03-2015 के संदर्भ में सूचनार्थ प्रेषित।
- 2- मुख्य अग्निशमन अधिकारी-लखनऊ को उनके पत्र सं0 प-2081/एफएस-15 दि0 20-03-2015 के संदर्भ में मय संलग्न मानचित्र के सूचनार्थ एवं अनुपालनार्थ प्रेषित।
- 3- अग्निशमन अधिकारी, अग्निशमन केन्द्र-पी0जी0आई0 जनपद-लखनऊ को अनुपालनार्थ प्रेषित।

ANNEXURE-IX

AAI NOC



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Restricted Height

No. AAI/RHQ/NR/ATM/NOC/2015/169/2728-31

Date: 20/5/2015

HCL IT City Lucknow Private Limited

806, Siddharth,
96, Nehru Place,
New Delhi

NO Objection Certificate for Height Clearance

This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order SO84 (E) dated 14th Jan. 2010 for Safe and Regular Aircraft Operations.

1. References:

NOCID	LUCK/NORTH/B/041115/108135
Applicant Letter	LUCK/NORTH/B/041115/108135
AAI Reference	

2. NOC Details for Height Clearance:

Applicant Name	HCL IT City Lucknow Private Limited
Type of Structure	Building
Site Address	HCL IT City, Chak Gajaria, Sultanpur Road, Lucknow
Site Coordinates	26 47 27N -81 01 17E, 26 47 55N -81 01 40E, 26 47 41N -81 01 48E, 26 47 22N -81 01 32E, 26 47 21N -81 01 34E, 26 47 19N -81 01 33E
Site Elevation AMSL in Mtrs	112.0 Mtrs One Hundred Twelve only
Permissible height above Ground Level in Mtrs	55.00 Mtrs Fifty Five only
Permissible Top Elevation AMSL in Mtrs	167.00 Mtrs One Hundred Sixty Seven only

3. This NOC is subject to the terms and conditions as given below:

- The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If, however, at any stage it is established that the actual data is different from the one, provided by the applicant, this NOC will be invalid.
- The issue of the 'NOC' is further subject to the provisions of Section 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.
- No radio/TV Antenna, lighting arresters, staircase, Mumtee, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation 167.00 Mtrs, indicated in para 2.
- The use of oil fired or electric fired furnace is mandatory, within 8 KM of the Aerodrome Reference Point.
- The certificate is valid for a period of 5 years from the date of its issue. If the

building/structure/Chimney is not constructed & completed within the period, the applicant will be required to obtain a fresh 'NOC' from the Designated Officer of Airports Authority of India. The date of completion of Building/Structure/Chimney should be intimated to this office of AAI. Request for revalidation of NOC will not be entertained after the expiry of its validity period.

f. 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.

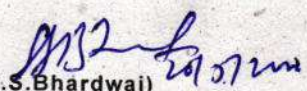
g. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

h. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: www.dgca.nic.in

i. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans as this NOC for height is for the purpose of 'to ensure the safe and regular aircraft operations' and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

j. This NOC has been issued w.r.t. the Civil Airports as notified in SO 84(E). Applicant needs to seek separate NOC from Defence, if the site lies within jurisdiction of Defence Airport.

This certificate is issued for "HEIGHT CLEARANCE ONLY" with the approval of Competent Authority for Permissible Top Elevation 167.00 Mtrs.


(S.S. Bhardwaj)
Asstt. General Manager(ATM-NOC)
For General Manager(ATM),NR
Airports Authority Of India

Copy to:

1. The Executive Director(ATM), AAI, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi-110003

2. GM(NOC)/Airport Director(Bundle).

3. Guard File

4. LUCKNOW DEVELOPMENT AUTHORITY, Navin Bhawan, vipin Khand, Gomti Nagar, Lucknow

5. Airport Director, Chaudhary Charan Singh Airport, Amousi, Lucknow-226009

Generate Letter

Issue

Print

ANNEXURE-X

Photograph showing DG Stack

Photographs showing DG Stack



ANNEXURE-XI

Receiving of Previous Compliance
Report of June 2018

HCL IT CITY LUCKNOW PRIVATE LIMITED
IT/ITES Special Economic Zone,
Village Kanjehara & Masternau,
Chack Gajaria Farms, Sultanpur Road, Lucknow, U.P. 226 002

Registered Office: 806, Siddharth, 96, Nehru Place,
New Delhi - 110019
Tel: 011-26444812 / 26282779
CIN: U74140DL2014PTC264397

Date: 01st June 2018

The Director
Regional Office (Central Region)
Ministry of Environment Forest & Climate Change
5th Floor, Kendriya Bhawan, Sector-H
Aliganj, Lucknow-260224,
Uttar Pradesh.

Subject: Submission of six monthly Compliance Report for the IT Project "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow of M/s HCL IT City Lucknow Pvt.Ltd.

Ref EC Letter Number: 580/Parya/SEAC/2803/2014/DD(Y) Dated: 09th July 2015

Respected Sir,

This is with reference to the above mentioned subject. We are submitting six monthly Compliance Report of **June'2018** for the IT Project "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow of M/s HCL IT City Lucknow Pvt.Ltd. along with the necessary annexure for your kind perusal.

We understand that the above is in line with requirement of Ministry of Environment Forest & Climate Change.

Thanking you,

Sincerely Yours,

HCL IT City Lucknow Pvt. Ltd.

(Authorized Signatory)



Enclosure: Compliance Report; Soft copy of Report in C.D.

Copy to: Member Secretary, U.P. Pollution Control Board, Building No.TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow 226010, U.P.

Chairman, SEIAA, Directorate of Environment, U.P.

HCL

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Registered Office: 806, Siddharth, 96, Nehru Place,
New Delhi - 110019
Tel: 011-26444812 / 26282779
CIN: U74140DL2014PTC264397

Date: 31st June 2018

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Regional Office (Central Region)
Ministry of Environment Forest & Climate Change
5th Floor, Kendriya Bhawan, Sector-H
Aliganj, Lucknow-260224,
Uttar Pradesh.

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Thanking you,

Sincerely Yours,

HCL IT City Lucknow Pvt. Ltd.

(Authorized Signatory)


04/06/18
डिस्पेंसर
पर्यावरण निरीक्षण समिति,
विनीत सण्ड-1, गोमती नगर,
लखनऊ-226010

Enclosure: Compliance Report; Soft copy of Report in C.D.

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CIN: U74140DL2014PTC264397

Date: 1st June 2018

The Director
Regional Office (Central Region)
Ministry of Environment Forest & Climate Change
5th Floor, Kendriya Bhawan, Sector-H
Aliganj, Lucknow-260224,
Uttar Pradesh.

Subject: Submission of six monthly Compliance Report for the IT Project "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow of M/s HCL IT City Lucknow Pvt.Ltd.

Ref EC Letter Number: 580/Parya/SEAC/2803/2014/DD(Y) **Dated:** 09th July 2015

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We understand that the above is in line with requirement of Ministry of Environment Forest & Climate Change.

Thanking you,

Sincerely Yours,

HCL IT City Lucknow Pvt. Ltd.

(Authorized Signatory)

आक प्राप्ति रसीद
प्रति संक्रांक 01-6-18
प्र.स.स. के इस्ताफा
संयुक्त प्रदूषण नियंत्रण बोर्ड, लखनऊ

Enclosure: Compliance Report; Soft copy of Report in C.D.

Copy to: Member Secretary, U.P. Pollution Control Board, Building No.TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow 226010, U.P.

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HCL