Joyville
by Shapoorji Pallonji
Sector 102, Gurugram

Shapoorji Pallonji
Real Estate

To,
The Joint Director/ Scientist 'D'
Northern Regional Office
Ministry OF Environment, Forest & Climate Change (MoEF&CC)
Bays No. 24-25, Sector 31-A, Dakshin Marg
Chandigarh

21/11/2019

Sub: Submission of Six-monthly Compliance Report of Stipulated Conditions of Environmental Clearance for the group housing colony "Joyville" on plot area measuring 17.9 Acres in Sector-102, District- Gurugram, Haryana for the period April 2019 to September 2019.

Sir,

In accordance to the condition of Environmental Clearance received from State Environmental Impact Authority for the above project vide letter no. SEIAA/HR/2018/1077 dated 20/08/2018; we are submitting herewith six monthly Compliance report of stipulated condition of Environmental Clearance (in soft copy "as notification in Gazette of India on 28th November 2018") for the period of April 2019 to September 2019.

Thanking you!

Yours Sincerely,

For **M/s Joyville Shapoorji Housing Pvt. Ltd.**

Authorised Signatory

Copy to:

1. Chairman, Haryana State Pollution Control Board (HSPCB), C-11, Sector-6, Panchkula, Haryana.
2. The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Haryana, Bay no. 55-58, Prayavan Bhawan, Sector-2, Panchkula, Haryana
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, New Delhi - 110 032.

Joyville Shapoorji Housing Private Limited

Site address: Off Dwarka Expressway, Sector 102/102A, Gurugram, Haryana - 122003
Regional Office Address: Ground Floor, Tower B, Signature Towers, Sector 30, Gurugram - 122001
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Six-Monthly Environmental Compliance Report of Stipulated Conditions of Environmental Clearance

(April 2019 to September 2019)

FOR

Proposed Group Housing colony "Joyville" on plot area measuring 17.9 acres In Sector- 102, Gurgaon, Haryana

M/s Joyville Shapoorji Housing Pvt. Ltd.

Submission to:

Ministry of Environment, Forests & Climate Change (MoEFCC)

Submitted by:

M/s Joyville Shapoorji Housing Pvt. Ltd.

December, 2019

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CHAPTER-1

INTRODUCTION AND PROJECT DESCRIPTION

1.1 INTRODUCTION

Proposed Construction of Group Housing colony "Joyville" on plot area measuring 17.9 acres In Sector- 102, Gurgaon, Haryana is being developed by M/s Joyville Shapoorji Housing pvt. Ltd. Building plans of the project have been approved by Town and Country Department Haryana.

This project has been granted environmental clearance vide letter no**. SEIAA/HR/2018/1077 at dated 20th August, 2018** by the State Environment Impact Assessment Authority, Haryana is enclosed as **Annexure-1**.

1.2 PROJECT DESCRIPTION

Table 1.1: Brief Description of project

Sl. No.	Description	Details	Unit
1	Plot Area	72438.615	SQM
2	Proposed Built Up Area	295785	SQM
3	Total Water Requirement	980	KLD
4	Fresh Water Demand	669	KLD
5	Total Waste Water Generated	772	KLD
6	Capacity of STP	930	KLD
7	Total Power Requirement	5667	KW
8	No. of RWH Pits	01	Nos.
9	Solid Waste Generation	5.4	TPD
10	Total Parking	1890	ECS

1.3 PRESENT STATUS

Project is in construction phase.

1.4 PURPOSE OF THE REPORT

This six-monthly report is being submitted as per the condition stipulated in the Environmental Clearance letter.

Further, the study will envisage the environmental impacts that have generated in the local environment due to the project.

The environmental assessment is being carried out to verify:-

- That the project does not have any adverse environmental impacts in the project area and its surrounding
- Compliance with the conditions stipulated in the Environmental Clearance Letter.

- The Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, Form-1A, Environmental Management Plan (EMP) and building plans.

- The project proponent is implementing the environmental safeguards in true spirit.

- Any non-conformity in the project with respect to the environmental implication of the project.

CHAPTER-2

COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

Name of Project : **Proposed Group Housing colony "Joyville" on plot area measuring 17.9 acres in Sector- 102, Gurgaon, Haryana**

Clearance No. : **SEIAA/HR/2018/1077 dated 20th August, 2018**

Period of compliance Report : April 2019 to September 2019.

PART A - CONSTRUCTION PHASE (SPECIFIC CONDITIONS)

S. No.	Conditions of Environmental Clearance	Status of Compliance
1.	**"**Consent for Establishment" shall be obtained from Haryana state Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before start of any construction work at site.	Consent to Establish (CTE) has been obtained from Haryana State Pollution Control Board. Copy of Same is Attached as an **Annexure 2**.
2.	A First aid room as proposed in the project report will be provided in both during construction and operation phase of project	First aid room had already been provided at the project site for the laborers and the facility will be continued during operational phase also.
3.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Adequate drinking water & sanitary facilities had already been provided for construction workers at the site. The workers at construction site engaged from the nearby areas therefore the waste water and solid waste generation is negligible in quantity. Solid waste generated during the construction phase is being disposed off safely.
4.	All the top soil excavated during Construction activities should be stored for use in horticulture/landscape development within project site.	Top soil excavated from construction site has been separated and will be used in horticulture/landscape development.
5.	The project proponent shall ensure that the Building material required during construction phase is properly stored within the project area and disposal of muck during construction phase should not create any adverse effects on the neighboring communities and disposed taking the necessary precaution for general safety and health with the approval of competent authority.	No adverse effect on neighboring community is being observed during disposal of muck including excavated material during construction phase. Necessary precautions is being taken care for general safety and health aspects of people.
6.	Construction spoils including bituminous materials and other hazardous materials must not be allowed to contamination watercourses and the dump site for such materials must be secured so that they should not leak into groundwater and any hazardous waste	Construction spoils is being stored in a dedicated area duly bounded to avoid contamination to the environment in proximity. Storage area is covered by insulated lining to prevent contamination from hazardous materials like fuel of DG sets. Waste oil of the generations is being disposed of through

	generated during construction phase should be disposed off as per applicable rules and norms with necessary approval of Haryana State pollution control Board.	authorized vendors.
7.	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should confirm to Environment (Protection) Rules prescribed for air and noise emission standard.	The diesel generator sets to be used during construction phase are of ultra low sulphur diesel type and conform to Environment (Protection) Rules prescribed for air and noise emission standard.
8.	The diesel required for operating DG sets shall be stored in underground tank if required clearance from chief controller of explosive shall be taken.	The diesel required for operating DG sets has been stored as per the requirements only which is low in quantity. Therefore, underground tank is not required at site to store diesel.
9.	Ambient noise levels should conform to 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 taken to reduce ambient air and noise level during construction phase, so as to confirm stipulated residential standards of CPCB/MoEF.	Ambient noise level during day and night are well within the standards. Ambient air and noise quality is being monitored closely. The monitoring report of ambient air, noise and soil quality is attached as **Annexure-4**. Adequate measures are being taken to reduce ambient air and noise level during construction phase of the project.
10.	Fly ash should be used as building materials in the construction as per the provision of fly ash notification of September 1999 and amendment as on 27th August 2003.	Fly ash is being used in construction activities.
11.	Storm water control and its use as per CGWB and BIS standard for various applications should be ensured.	Construction of water recharge pits for recharge of ground water, as per Central Ground Water Board and BIS standards is proposed.
12.	Water demand during construction phase should be reduced by uses of premix concrete, curing agent and other best practices.	Premix concrete and curing agent and other best practices is being used to save water.
13.	In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/utility provider indicating source of water supply and quantity of water with details of intended use of water- potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.	CSTP tanker water is being used for construction purpose from HUDA and HUDA will provide the water during operation phase also.
14.	Roof should meet prescribed requirements as per energy conservation building code by using appropriate thermal insulation materials.	The same will be complied at the appropriate stage of site development.
15.	Opaque wall should meet prescribed requirements as per energy conservation building code which is proposed to be	We have proposed the same and will use opaque wall for all air conditioned spaces and meeting prescriptive requirement as per energy

	mandatory for all air conditioned spaces while it is inspirational for non air conditioned spaces by use of appropriate thermal insulation to fulfill the requirements.	conservation building code.
16.	The approval of competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of firefighting equipment etc as per national building code including protection measures for lighting etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent authority.	Care has been taken for structural safety due to earth quake while designing of the building. Approval of firefighting scheme from appropriate authority has been obtained. No forest land is involved in this proposed project; NOC from forest department is attached as **annexure 5.**
17.	Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.	A very well planned dual plumbing has been proposed for the conservation of water. Water saving devices is proposed for installation at project site.
18.	The project proponent as stated in the proposal shall construct 01 no. rainwater harvesting pits for recharging the ground water with in project premises. Rain water harvesting pits shall be designed to make provision for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not entry any RWH pit.	01 No. of RWH pits will be constructed in due course of time.
19.	The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local authority/ Directorate of fire time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent authority as required.	Adequate fire safety measures and equipments have been provided as per requirement of Haryana Fire Service Act, 2009 and instructions issued by the local authority.
20.	The project proponent shall obtained assurance from the DHBVN for supply of 5667 KW of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.ly from any external power utility.	The project operates only after obtaining connection of DHBVN power supply. The project will not be operational solely on generators sets without any power supply from any external power utility.
21.	Detail calculation of power load and ultimate power load of the project shall be submitted to	Detail calculation of power load & ultimate power load of the project had already been submitted and

	DHBVN under intimation to SEIAA Haryana before the start of construction. Provision shall be made for electrical infrastructure in the project area.	provision for electrical infrastructure has also been made.
22.	The project proponent shall not raise any construction in the natural land depression/ Nallah/Water course and shall ensure that the natural flow from the Nallah/Water course is not obstructed.	No construction will take place in natural land depression/ Nallah/Water course. It is ensured that the natural flow from the Nallah/Water course will not be obstructed due to project activity.
23.	The project proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the group housing project as per prescribed by law. Level of the other areas in the group housing projects shall also be kept suitably so as to avoid flooding.	The same has been taken care of and the project will constructed complying with all statutory by laws.
24.	Construction shall be carried out so that density of population does not exceed norms approval by Director General Town and Country Department Haryana.	The same has been carried out and it will be ensured that density of population does not exceed norms approval by Director General Town and Country Department Haryana during construction phase.
25.	The project proponent shall submit and affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.	Ground water will not be used for construction. CSTP treated water, provided by HUDA, is being used for construction purpose.
26.	The Project proponent shall not cut any existing tree and project landscaping plan should be modified to include those tress in green area.	The same has been taken care of and no existing tree was cut down. Project landscaping plan will be modified to include that tress in green area.
27.	The Project proponent shall provide 3 mtr high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.	03 mtrs high barricade has been provided around the project area. Dust screen for every floor above the ground has been provided. Water sprinkling and covering of stored material is being done to restrict dust and air pollution during construction phase of the project.
28.	The Project proponent shall construct a sedimentation basin in the lower level for the project site to trap pollutant and other wastes during rains.	Construction of sedimentation basin in the lower level for the project site to trap pollutant and other wastes during rains will be provided at appropriate stage of site development.
29.	The Project proponent shall provide proper rasta of proper width and proper strength for each project before the start of construction.	Before start of construction, proper rasta of proper width & strength has been provided at project site.
30.	The Project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co- efficient is 0.25 for vertical fenestration.	The same will be complied.
31.	The Project proponent shall adequately control construction dusts like silica dust, non-silica dust & wood dust. Such dusts shall not spread outside project premises. Project proponent shall provide respiratory protective equipment	Measures are being taken care to control construction dusts like silica dust, non-silica dust & wood dust. Respiratory protective equipment to all construction workers has been provided.

	to all construction workers.	
32.	The project proponent shall develop complete civic infrastructure of the group housing colony including internal roads, green belt development, sewerage line, Rain water recharge arrangements. Storm Water drainage system, solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the unit/flats thereafter.	The same has been taken care of and the complete civic infrastructure of the group housing colony will be developed before the possession of unit.
33.	The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/ commercialized.	The same will be complied.
34.	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	The same will be done and fire control room and fire officer for building will be provided.
35.	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	The same has been obtained.
36.	The project proponent shall seek specific prior approval from concerned local authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/Local authorities beside other required services before taking up any of construction activity.	The same has been followed.
37.	The project proponent shall submit the copy of fire safety plan duly approved by fire department before the start of construction.	The same has already been submitted.
38.	The project proponent shall discharge excess of treated waste water/ storm water in the public drainage system and shall seek permission of HUDA before the start of construction.	Discharge of excess treated waste water/ storm water, if any, in the public drainage system will be done only after obtaining prior permission from HUDA.
39.	The project proponent shall maintain the distance between STP and water supply line.	The same has been taken care of and a fair distance will be maintained between STP and water supply lines.
40.	The project proponent shall ensure that the stack height is 6 meter more than the highest tower.	The same has been complied and the stack height will be 6 m more than the highest tower.
41.	The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.	The same will be complied.

Operation Phase

S. No	Conditions of Environmental Clearance	Status of Compliance
a.	"Consent of Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.	"Consent to Operate" from HSPCB will be obtained and submitted to SEIAA, Haryana before operation of the project.
b.	The STP shall be installed for the treatment of the sewage to be prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total phosphorus to the extent of less than 2mg/liter. Similarly total nitrogen level shall be less than 2 mg/liter in tertiary treated waste water. Discharge of treated sewerage shall conform to the norms and standards of CPCB/HSPCB, whichever is environmentally better. Project proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or depending upon the initial occupancy as the case may be.	STP of adequate capacity will be installed and treated effluent will be recycled to achieve zero discharge during operational phase. Installed STP will be certified by an independent expert.
c.	Separation of black and grey water should be done by use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/ltr and the recycled water will be used for flushing, gardening and HVAC makeup and DG set cooling etc. to achieve zero exit discharge.	Provision of dual plumbing has been made for separation of grey and black water. Treated waste water will be used for flushing and landscaping to achieve zero exit discharge.
d.	For disinfections of treated waste water ultra violation radiation or ozonization process should be used.	Use of ultra violet radiation or ozonization will be done for disinfection of treated waste water.
e.	Diesel power generating sets proposed as source of backup power for lifts, common areas illumination and for domestic use should be of enclosed type and confirm to the rule made under Environment Protection Act, 1986. The location of DG sets should be in the basement as promised by the project	Ultra low sulphur diesel shall be used to run the DG sets. All the DG sets will be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards. Stack height will be kept as per CPCB norms.

S. No	Conditions of Environmental Clearance	Status of Compliance
	proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.	
f.	Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of proposed group housing project.	Ambient noise levels has been monitored by approved lab on regular basis during the construction phase indicating all results within permissible limits of EPA, 1986. The latest monitoring has been done and attached as **Annexure-4.** This practice will be continued during operational phase also.
g.	The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/ grass, Herbs & shrubs. Only locally available plant species shall be used.	Agreed. More than 20.10% green cover area for tree plantation will be started at fast pace only after completion of civil construction work in the building. The open spaces inside the plot will be covered with herbs and shrubs.
h.	The Project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native verity, xeriscaping and mulching, utilizing efficient system, scheduling irrigation only after checking evapo- transpiration data.	Same will be compiled.
i.	Rain water harvesting for runoff and surface runoff, as plan submitted should be implemented. Before recharging the surface runoff, pretreatment through sedimentation tanks must be done to remove suspended matter, oil and greases. The bore well for rain water recharging should be kept at least 5 mts. Above the highest ground water table. Care shall be taken that contaminated water do not entry any RWH pit. The project proponent shall avoid RWH of first 10 min of rainfall. Roof top of the building shall be without any toxic material or paint, which can contaminate rain water. Wire mess and filters should be used wherever required.	Rain water harvesting and ground water recharging will be practiced. Ground water levels and Its quality will be monitored regularly in consultation with the Central Ground Water Authority. Oil & Grease trap will be provided to remove oil and grease from the surface run-off and suspended matter will be removed in a settling tank before its utilization for rainwater harvesting.
j.	The ground water level and its quality should be monitored regularly in consultation with CGWA.	Ground water will not be extracted.
k.	A report on energy conservation measures conforming to energy conservations norms finalize by bureau of energy efficiency should	Report on energy conservation measures will be submitted incorporating details about building materials & technology, R & U factors etc. report will

S. No	Conditions of Environmental Clearance	Status of Compliance
	be prepared incorporating details about building materials & technology, "R & U factors etc" and submit to IA division of environment and forest department, Haryana in three months time.	be submitted during operation phase starting at the earliest.
l.	Energy conservation measures like installation of LED for lighting the areas outside the building and inside the buildings should be integral part of the project design and should be in place before project commissioning. Use of solar panel must be adapted to the maximum energy conservation.	The LED will be used for lightening purposes at common areas.
m.	The Project proponent shall use zero ozone depleting potential materials in insulation refrigeration air conditioning and adhesive, Project proponent shall also provide halon free fire suppression system.	Zero ozone depleting potential materials will be used in insulation refrigeration air conditioning and adhesive. Halon free fire suppression system will also be provided.
n.	The solid waste generated should be properly collected and segregated as per requirements of MSW rules, 2000. The biodegradable waste should be treated by appropriate technology at the sire ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Yes, the solid waste will be collected & segregated. The composting of biodegradable waste and non-bio-degradable solid waste would be disposed-off to municipal landfill sites after recovering recyclable waste.
o.	The provision of the solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block.	An appropriate provision has been provided in each building block as per norms specified by HAREDA.
p.	The traffic plan and the parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the road adjoining the proposed project site. Parking should be fully internalized and no public space should be used	The traffic and parking plan has been proposed as per the bylaws of the region. It wil also be ensured that no traffic congestion takes place near the entry and exit points from the road adjoining the proposed project site. Parking will be fully internalized and no public space should be used
q.	The project shall be operationalized only when HUDA/ local authority will provide domestic water supply system in the area.	The project will be made operational only after obtaining water supply connection from HUDA. HUDA have assured water supply during operational phase.
r.	Operations and maintenance of STP, solid waste management and electrical infrastructure, pollution control measures shall be ensured even after the completion of project.	Same will be complied.
s.	Different type of wastes should be disposed off as per provisions of municipal solid waste,	Noted for compliance

S. No	Conditions of Environmental Clearance	Status of Compliance
	biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste & Battery Waste shall be disposed of as per existing E-waste Management rules 2011 & batteries Management rules 2001. The project proponent should maintain a collection centre for E-waste & it should disposed of to only registered & authorized dismantler/ recycler.	
t.	Standards for discharge of environment pollutants as enshrined in various schedules of rule 3 of Environment Protection Rules 1986 shall be strictly complied with.	We will be followed the same.
u.	Water supply shall be metered to different residential units & different utilities.	The same will be complied.
v.	The project proponent shall ensure that the stack height of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and emission level of DG Sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.	The same will be complied and the stack height of DG sets shall be as per CPCB norms. It shall also be ensured that the emission standards of noise & air are within the CPCB prescribed limits.
w.	All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 point of connection.	Yes same will ensured in operational phase.
x.	The project proponent shall not use fresh water for HVAC and DG Cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is all needed. The Project proponed shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer & winter season should be kept at optimal level. Variable speed drive, best co-efficient of performance (Cop), as well as optimal integrated point load value & minimum outside fresh air supply may be restored for conservation of power & water. Coil type cooling DG sets shall be used for saving cooling water consumption for water cooled DG sets.	Only treated water from STP shall be used for HVAC and DG cooling. Evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption shall also be practiced. Further temperature, relative humidity during summer & winter season will be kept at optimal level. Variable speed drive, best co-efficient of performance, as well as optimal integrated point load value & minimum outside fresh air supply will be restored for conservation of power & water. Coil type cooling DG sets will be used for saving cooling water consumption for water cooled DG sets.
y.	The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project	The same shall be taken care of.

S. No	Conditions of Environmental Clearance	Status of Compliance
	proponent shall obtain manufacturer's certificate also for that.	
z.	The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down wash under any metrological conditions.	The same shall be complied.
aa.	The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.	Water sprinkling system is being provided in the project area to suppress the dust.
ab	The project proponent shall ensure proper Air ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	The same shall be complied.
ac	The project proponent shall ensure drinking/domestic water supply as per prescribed standards till treated water supply is made available by HUDA.	The same shall be taken care of.
ad	The project proponent shall install solar panel for energy conservation.	Solar panel for energy conservation shall be installed.

PART-B. GENERAL CONDITIONS:

S. No	Conditions of Environmental Clearance	Status of Compliance
1.	The project proponent shall ensure that commitments made in Form-I, Form-IA, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any points, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.	It is ensured that commitments made in Form-I, Form-IA, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards shall be complied within letter and full spirit.
2.	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 northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.	The same has already been submitted.

S. No	Conditions of Environmental Clearance	Status of Compliance
3.	STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 03 months the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.	The same will be complied.
4.	The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.	Agreed.
5.	The project proponent shall not violate any judicial orders/ pronouncements issued by any court/tribunal.	Agreed.
6.	All other statutory clearance such as approval 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 proponent from the respective authorities prior to construction of project.	The same shall be done and all the statutory clearances shall be obtained from the respective authorities.
7.	The project proponent should inform the public that the project has been in accorded Environmental clearance by SEIAA and copies of the clearance letter are available with the State Pollution Control Board & SEIAA. This should be advertised within 7 days from date of issue of clearance letter at least in two local newspapers that are widely circulated in the region and copy of the same should be forwarded to SEIAA Haryana. A copy of Environmental Clearance conditions shall also be put on project proponent's website for public awareness.	Agreed and noted for action.
8.	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponents if it was found that construction of the projects has been started before obtaining prior Environmental Clearance.	Agreed
9.	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, If preferred with in a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Agreed.
10.	The project proponent shall put in place	Noted for action.

S. No	Conditions of Environmental Clearance	Status of Compliance
	Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.	
11.	The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure report should be submitted to the SEIAA/RO MoEF, GoI under rules prescribed for Environmental Audit.	Noted for action.
12.	The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.	The same shall be complied.
13.	The project proponent shall ensure that no vehicles during construction/ operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.	We will ensure that no vehicles during construction/ operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
14.	The project proponent is responsible for compliance of all conditions in Environment Condition letter and project proponent can not absolve himself/herself of the responsibility by shifting it to any contractor engaged by the project proponent.	Agreed.
15.	The project proponent shall seek fresh Environment Clearance if at any stage there is change in the planning of the project proposed.	Agreed.
16.	Besides the developer/applicant, the responsibility to ensure the compliance of Environmental safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the license/ licenses in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.	Agreed.
17.	The Proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their websites and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM 2.5, PM 10, SOX, NOX, Ozone, lead, CO, Benzene ammonia, benzopyrine, arsenic and Nickel.(Ambient levels as well as stack emissions) or critical sectoral parameters, indicating for the project shall be monitored and displayed at a	Same has been done and the status of compliance of stipulated EC conditions along with monitored data and uploaded on website.

S. No	Conditions of Environmental Clearance	Status of Compliance
	convenient location near the main gate of the company in the public domain.	
18.	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 HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alone with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Agreed and the same shall be complied.
19.	The Project Proponent shall conduct environmental audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of Environmental audit and corrective measures shall be submitted in the monitoring report	Agreed and the same shall be taken care of. Environmental audit shall be conducted at every three months interval and thereafter corrective measures shall be taken without delay.
20.	Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.	The company has already corporate environment policy in place and as per company laws sizable budged is being spend on implementing as per above said policy.
21.	The validity of the environment clearance letter is valid upto 7 years from the date of issuance of EC letter. The environment clearance applicable till life space project in case of Residential project will continue to apply. The resident welfare association/Housing co-operative societies shall responsible to comply conditions laid down in EC. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project.	Noted.
22.	If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment Clearance i.e. 7 years.	Noted.

S. No	Conditions of Environmental Clearance	Status of Compliance
23.	The project proponent should intimate to the Authority well before shifting their address of communication.	The project proponent will intimate to the Authority before shifting their address of communication.

Chapter-3

Details of Environmental Monitoring

3.1 AMBIENT AIR QUALITY MONITORING

3.1.1 Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at one location near main gate of the building in the month of October, 2019 to assess the ambient air quality. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The location of the ambient air quality monitoring station is given in **Table 3.1**.

Table 3.1 Details of Ambient Air Quality Monitoring Stations

S. No.	Locn. Code	Location Name/ Description	Environmental Setting
1.	AAQ-1	Near Main Gate	Residential

The sampler was placed near the site office and was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter (PM10)
- Particulate Matter (PM2.5)
- Sulphur Dioxide (SO_2)
- Oxides of Nitrogen (NO_x)
- Carbon Monoxide (CO)

The duration of sampling of PM10, PM2.5, SO_2 and NO_2 was 24 hourly continuous sampling per day and CO was sampled for 1 hours continuous, thrice in 24 hour duration monitoring. The monitoring was conducted for one day at each location. This is to allow a comparison with the National Ambient Air Quality Standards.

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in **Table 3.2**.

Fine particulate sampler APM 550 instrument have used for monitoring Particulate Matter (PM2.5) i.e. <2.5 micron Respirable Dust Samplers APM-451 instruments have been used for monitoring Particulate Matter (PM10), Respirable fraction (<10 microns) and gaseous pollutants like SO_2, and NO_2. Pulse pumps and mylar bags were used for collection of Carbon monoxide samples. Gas Chromatography techniques have been used for the estimation of CO.

Table 3.2 Techniques used for Ambient Air Quality Monitoring

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter (PM 2.5)	Fine particulate sampler APM 550 Gravimetric Method)	IRDH/SOP/AAQM/01
2	Respirable Particulate Matter	Respirable Dust Sampler (Gravimetric method)	IS-5182 (Part-23)
3	Sulphur dioxide	Modified West and Gaeke	IS-5182 (Part- 2)
4	Oxides of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-6)
5	Carbon Monoxide	Gas Chromatography	IRDH/SOP/AAQM/08

3.1.3 Ambient Air Quality Monitoring Results

The detailed on-site monitoring results of PM2.5, PM10, SO_2, NO_2 and CO are presented in **Table 3.3**.

Table 3.3 Ambient Air Quality Monitoring Results

S. No.	Locn. Code	Location	PM10 ($\mu g/m^3$)	PM2.5 ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	CO (mg/m^3)
		LIMIT	**100**	**60**	**80**	**80**	**4**
1.	AAQ1	Near Main Gate	189	84	15	26	<1.0

3.1.4 Discussion on Ambient Air Quality in the Study Area

PM_{10} & $PM_{2.5}$ are observed higher the limit 100 $\mu g/m^3$ & 60 $\mu g/m^3$ respectively (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards)., SO_2, NO_2 and CO was observed within the corresponding stipulated limits (Limit for $PM_{2.5}$: 60 $\mu g/m^3$, SO_2 and NO_2: 80 $\mu g/m^3$ and limit for CO: 4 mg/m^3) at all monitoring locations. Station wise variation of ambient air quality parameters has been pictorially shown in **Figure 3.1**.

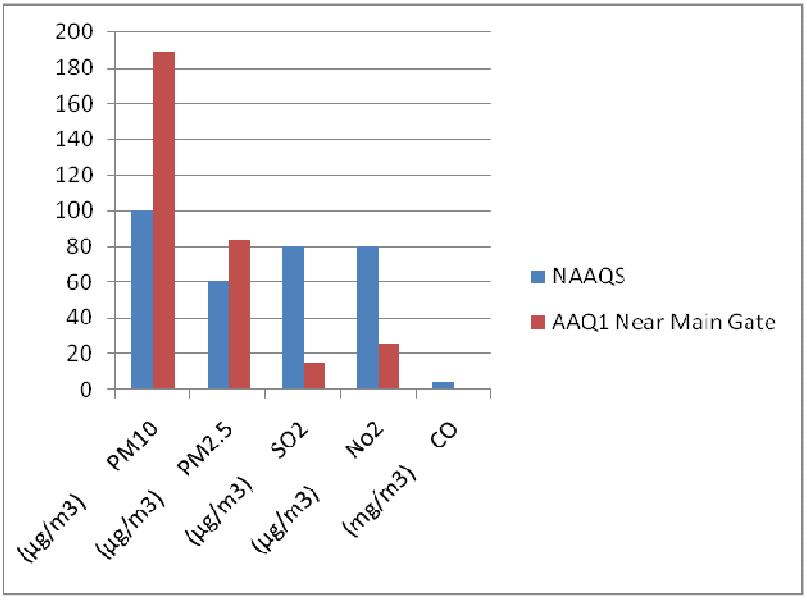

Figure 3.1 Ambient Air Qualities at project site

3.2 AMBIENT NOISE MONITORING

3.1.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site due to various construction allied activities around the site and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted near main gate of the project site in the month of October, 2019 site as given in **Table 3.4**.

Table 3.4 Details of Ambient Noise Monitoring Stations

S. No.	Locn. Code	Location Name/ Description	Present Land use
1.	N1	Near Main Gate	Residential

3.2.2 Methodology of Noise Monitoring

Noise levels were measured using integrated sound level meter manufactured by Envirotech Instrument Pvt. Ltd. The integrating sound level meter is an integrating/ logging type with frequency range of 'A' type as per IS 15675 (Part 1) 2005. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and SEL on digital display.

Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 14:20 hrs to 13:20 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Lday (Ld), Lnight (Ln) and Ldn values were computed using corresponding hourly Leq.

Monitoring was carried out at 'A' response and fast mode.

3.2.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table 3.5**. The location-wise variation of noise levels are graphically presented in **Figure 3.2**.

Table 3.5 Ambient Noise Monitoring Results

Sr. No.	Test Locations	Day Time - dB(A)		Night Time - dB(A)	
		Results	Limits as per CPCB guideline	Results	Limits as per CPCB guideline
1.	Near Main Gate	53.1	55	41.2	45

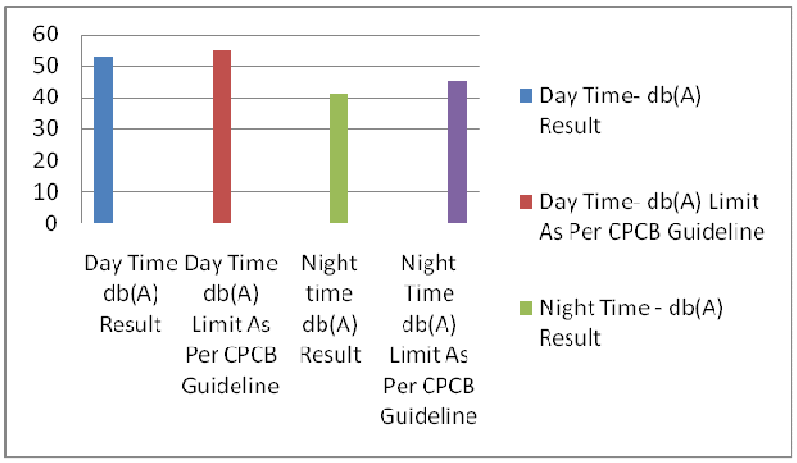

Figure 3.2 Ambient Noise Levels at project site

3.2.4 Discussion on Ambient Noise Levels in the Study Area

Day Time Noise Levels (L_{day}):
The day time noise level was found within the limit prescribed for residential area i.e. 55 db(A).

Night Time Noise Levels (L_{night}):
The night time noise level was found within the limit prescribed for residential area i.e. 45 dB (A).

3.3 GROUNDWATER QUALITY MONITORING

As the ground water extraction is restricted in Gurgaon, so the ground water sample could not be taken within project site.

3.4 SOIL MONITORING

3.4.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various constructions allied activities. Accordingly, a study of assessment of the soil quality has been carried out.

To assess impacts of ongoing project activities on the soil in the area, the physico-chemical characteristics of soils were examined by obtaining soil samples from selected point and analysis of the same. One sample of soil was collected from the project site in the month of October, 2019 for studying soil characteristics, the location of which is listed in **Table 3.6**.

Table 3.6 Details of Soil Quality Monitoring Location

S. No.	Locn. Code	Location Name/ Description
1.	S1	Site Office

3.4.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations).

The samples have been analyzed as per the established scientific methods for physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectro-photometer and Inductive Coupled Plasma Analyzer.

3.4.3 Soil Monitoring Results

The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.7**.

Table 3.7 Physico-Chemical Characteristics of Soil in the Study Area

S. No.	Parameter	Test Method	Results	Unit
1.	pH	IS 2720 P-26 (1987)	7.9	--
2.	Conductivity	IS 14767 (RA 2016)	354.0	µS/cm
3.	Moisture	IS 2720 P-25 (1972)	10.2	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	39.5	%
5.	Specific Gravity	IS 2720 P-3 (1980)	2.40	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7	Chloride	IRDH/SOP-SL/14	342.0	mg/kg
8	Calcium	IRDH/SOP-SL/17	1028.0	mg/kg
9	Sodium	IRDH/SOP-SL/11	138.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	98.0	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	294.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.60	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	18.4	meq/100gm
14.	Available nitrogen	IS 14684(1999)	42.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	5.2	mg/kg
16.	Texture	IRDH/SOP-SL/08		% by mass
	Sand		64.2	
	Clay		23.9	
	Silt		11.9	
17.	Sodium Absorption Ratio(SAR)	IRDH/SOP-SL/13	0.98	By calculation

3.4.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the project activities.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

No. SEIAA/HR/2018/1077 Dated:...22.8.18.....

To

M/s Joyville Shapoorji Housing Pvt. Ltd.,
Redgd. Office SP Centre, 41/44, Minoo Desai Marg,
Colaba, Mumbai-400004 (Formerly M/s Eventual Builders Pvt. Ltd.)

Subject: **Environment Clearance for Proposed Group Housing Colony "Joyville" on Plot area measuring 17.9 Acres in Sector-102, Gurugram Manesar Urban Complex, Gurgaon, Haryana.**

Dear Sir,

This letter is in reference to your application no. nil dated 13.04.2018 addressed to M.S. SEIAA, Haryana received on 23.04.2018 and subsequent letter dated 02.07.2018 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A, Conceptual Plan, EIA/EMP on the basis of approved TOR and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF & CC, GOI vide their Notification 21.08.2015, in its meetings held on 10.05.2018 and 27.07.2018 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the construction of Group Housing Colony on plot area Measuring 17.9 Acres in Sector-102, Gurugram Manesar Urban Complex, District Gurgaon, Haryana on total plot area is 72438.615 sqm. (17.9 Acres) Total built up area shall be 295785 sqm. The project shall comprise of 17 (14+3) no. of building blocks (13 residential +1 EWS +1 PS + 1 Club + 1 Commercial + Basement + Stilt/GF + maximum 27 Blocks). The number of dwelling units is 1798. The maximum height of the building is 90 meters. The total water requirement shall be 980 KLD. The fresh water requirement shall be 669 KLD. The waste water generation shall be 772 KLD which will be treated upto tertiary level in STP having total capacity of 930 KLD. The total power requirement shall be 5667 KW which will be supplied by DHBVN. The Project Proponent has proposed to develop green belt on 21,110.00 sqm (31.49 %) of project area (periphery plantation 3353.62 sqm + Lawn Area 17757.35sqm). The Project Proponent proposed to construct 01 rain water collection/storage tank. The solid waste generation shall be 5.4 TPD. The bio-degradable waste will be treated in the project area by adopting appropriate technology. The total parking spaces proposed are 1890 ECS.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations, have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its meeting held on 16.08.2018 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(b) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

PART A-
SPECIFIC CONDITIONS:-
Construction Phase:-

[1] "Consent for Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.

[2] A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.

[3] Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the laboures is strictly prohibited. The safe disposal of solid wastes/ waste water generated during the construction phase should be ensured. Efforts shall be made to provide mobile STP for treatment of waste water during the construction phase.

[4] All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.

[5] The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

[6] 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.

[7] The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

[8] 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.

[9] Ambient noise levels shall conform to the 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 taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.

[10] Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.

[11] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.

[12] Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.

[13] In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.

[14] Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.

[15] Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

[16] The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.

[17] Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water

reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.

[18] The Project Proponent as stated in the proposal shall construct total 01 rain water collection/storage tank for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.

[19] The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.

[20] The Project Proponent shall obtain assurance from the DHBVN for supply of 5667 KW of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.

[21] Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.

[22] The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.

[23] The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.

[24] Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.

[25] The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.

[26] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.

[27] The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.

[28] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.

[29] The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.

[30] The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.

[31] The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.

[32] The project proponent shall develop complete civic infrastructure of the Affordable Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.

[33] The project proponent shall provide one refuge area till 24 meter, one till 39 meter and one after 15 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.

[34] The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.

[35] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.

[36] The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.

[37] The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.

[38] The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.

[39] The project proponent shall maintain the distance between STP and water supply line.

[40] The project proponent shall ensure that the stack height is 6 meter more than the highest tower.

[41] The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

[a] "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.

[b] The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide STP preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.

[c] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.

[d] For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.

[e] Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.

[f] Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Group Housing Colony.

[g] The project proponent as stated in the proposal should maintain at least 31.49% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside

the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.

[h] The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.

[i] Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mess and filters should be used wherever required.

[j] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.

[k] A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.

[l] Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.

[m] The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.

[n] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

[o] The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.

[p] The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points

from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.

[q] The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.

[r] Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.

[s] Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.

[t] Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.

[u] Water supply shall be metered among different users and different utilities.

[v] The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.

[w] All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.

[x] The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.

[y] The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.

[z] The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.

[aa] The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.

[ab] The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.

[ac] The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.

[ad] The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

[i] The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.

[ii] The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MoEF, HSPCB and SEIAA Haryana.

[iii] STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.

[iv] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.

[v] The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.

[vi] 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, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

[vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.

[viii] 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 before obtaining prior Environmental Clearance.

[ix] Any appeal against the this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

[x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.

[xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.

[xii] The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.

[xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.

[xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.

[xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.

[xvi] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environmental Clearance

letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.

[xvii] The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; $PM_{2.5}$, PM_{10}, SO_X NO_X, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (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.

[xviii] 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 HSPCB Panchkula 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 the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

[xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.

[xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

[xxi] The validity of this environment clearance letter is valid up to 7 years from the date of issuance of EC letter. The environment clearance conditions applicable till life space project in case of Residential project will continue to apply. The resident welfare association/Housing co-operative societies shall responsible to comply conditions laid down in EC. In case of violation the action would be taken as per the laid down law of land. Compliance report should be sent to this office till life of the project.

[xxii] If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment Clearance i.e. 7 years.

[xxiii] The project proponent should intimate to the Authority well before shifting their address of communication.

Chairman,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.

Endst. No. SEIAA/HR/2018/ 1077 Dated:....20-2-18.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MoEF&CC, GoI, Indra Paryavaran Bhavan, Zor bagh Road-New Delhi.
2. The Regional office, Ministry of Environment, Forests & Climate Change, Govt. of India, Bay's no. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Pkl.

Chairman,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.

HARYANA STATE POLLUTION CONTROL BOARD

Gurgoan North Vikas Sada, 1st Floor, Near DC Court, Gurgaon Ph. 0124-2332775

Website: www.hspcb.gov.in E-Mail - hspcb.pkl@sifymail.com

Telephone No.: 0172-2577870-73

No. HSPCB/Consent/ : 329962318GUNOCTE5671401 **Dated:30/10/2018**

To.

M/s : Joyville Shapoorji Housing Private Limited
Group Housing Colony "Joyville" on Plot area measuring 17.9 Acres in Sector-102, Gurugram Manesar Urban Complex, Gurgaon
GURGAON
122002

Sub. : Grant of consent to Establish to M/s Joyville Shapoorji Housing Private Limited

Please refer to your application no. 5671401 received on dated 2018-09-24 in regional office Gurgaon North.

With reference to your above application for consent to establish,M/s Joyville Shapoorji Housing Private Limited is here by granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	30/10/2018 - 19/08/2025
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	105620.0
Total Land Area (Sq. meter)	72438.61
Total Builtup Area (Sq. meter)	295785.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	772.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	STP
2. Trade	
Permissible Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l

Permissible Trade Effluent Parameters	
1. NA	mg/l
Number of stacks	3
Height of stack	
1. 03 DG Sets X 1010 KVA	6 METER
2. 01 DG Set X 500 KVA	4 meter
3. 01 DG Set X 1250 KVA	6 meter
Permissible Emission parameters	
1. NA	
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	0.99 KL/day

Regional Officer, Gurgaon North

Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 772 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 772 KL/Day for Domestic and the same should not exceed .

2. The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.

3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable

4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.

5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act,1981 as amended to-date-even before starting trial production

6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.

7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience

8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.

9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.

10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.

11. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such industry and process in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws CLU or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.

12. That there is no discharge directly or indirectly from the unit or the process into any interstate river or Yamuna River or River Ghaggar.

13. That the industry or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution control Board and Haryana State Pollution Control Board.

14. That of the unit is discharging its sewage or trade effluent into the public sewer meant to receive trade effluent from industries etc. then the permission of the Competent Authority owing and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.

15. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.

16. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.

17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.

18. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.

19. That the unit will take all other clearances from concerned agencies, whenever required.

20. That the unit will not change its process without the prior permission of the Board.

21. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area or non conforming area.

22. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.

23. That the unit will submit an undertaking that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.

24. That unit will obtain EIA from MoEF, if required at any stage.

25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.

26. That unit will obtain consent to operate from the board before the start of product activity.

Specific Conditions

Other Conditions :

1. The unit will obtain consent to operate before the occupation of the project.
2. The unit will install STP along with the main project.
3. The unit will install the project only on the land for which Town and Country Planning Department has given license.
4. The NOC is valid only for such land within this project which is under ownership of project proponent and for which report regarding Aravali area has been issued by DC, Gurgaon.
5. The unit will install adequate acoustic enclosures/chambers on their DG SETS with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules,
6. Unit will apply for CTO/ CTE Extension at least 90 days before expiry date of this CTE
7. Unit will not do any construction work in their project without obtaining valid renewed license from DTCP and CTE extension will be become null and void if unit fails to renew DTCP license.
8. Unit will comply with the guide lines issued by CPCB on Environment Management of construction and Demolition Waste issued after the Construction and Demolition Waste Management Rules, 2016 notified by MOEF.

Regional Officer, Gurgaon North
Haryana State Pollution Control Board.

प्रेषक,

उपायुक्त, गुरूग्राम।

सेवा मे,

Sh. Rajeev Gupta,
Athorized Signatory,
M/s Eventual Builders Private Limited,
Regd Off. : M-11, Middle Circle,
Connaught Circus, New Delhi-110001

क्रमांक 21 /एम.बी दिनांक 03/05/2018

विषयः- **Verification regarding applicability of Aravali Notification for setting up a Group Housing project over an area measuring 17.90 Acs in village Kherki Majra, Sector-102, Gurugram being developed by M/s Eventual Builders Pvt. Ltd.**

उपरोक्त विषय पर आपके प्रार्थना पत्र के संदर्भ में।

विषयोक्त मामले में आपके प्रार्थना पत्र पर इस कार्यालय द्वारा नायब तहसीलदार, कादीपुर व उप वन संरक्षक, गुरूग्राम से रिर्पोट मांगी गई। जो निम्न प्रकार है।

नायब तहसीलदार, कादीपुर ने अपने पत्र क्रमाकं 750/रीडर दिनाकं 10.04.2018 द्वारा लिखा है कि रिर्पोट पटवारी हल्का अनुसार बिन्दूवार निम्न प्रकार हैः-

1. प्रार्थना पत्र में वर्णित कीला न0 54//4मिन-5/1-5/2-6-7-14-15-16/1-16/2-17-18-13-12/2मिन-19मिन, 55//1/1-9/2/1-9/2/2-10/1-10/2-11/1-11/2-12-13/1-19- 20/1-20/2 की मलकियत मैसर्ज इवनटूल बिल्डर्स प्रा0लि0 की है तथा कीला न0 54//3/2मिन-8मिन-9मिन-12/1मिन की मलकियत सरस्वती कुंज इन्फ्रास्ट्रक्चर की है। उपरोक्त सभी खसरा/किला नम्बरान दिनाकं 07.05.1992 के नोटिफिकेशन अनुसार अरावली क्षेत्र मे नही है।
2. दिनाकं 07.05.1992 के नोटिफिकेशन के पूर्व व उसके पश्चात मिसल हकीयत/चकबन्दी तक कभी भी अराजी मुतनाजा की किस्म गैर मुमकिन पहाड, गैर मुमकिन राडा, गैर मुमकिन बीहड, बंजड बीहड या रून्द्र नही रही है।
3. दिनाकं 07.05.1992 के नोटिफिकेशन के पूर्व व उसके पश्चात अराजी मुतनाजा की किस्म चाही है।
4. प्रार्थना पत्र में वर्णित दशायी गई अराजी मुतनाजा मिसल हकियत/चकबन्दी ता हाल कभी भी शामलात देह/पंचायत देह/नगरपालिका/नगर निगम की मलकियत नहीं रही है।
5. राजस्व रिकार्ड अनुसार अराजी मुतनाजा भूमि का किसी भी न्यायालय में कोई कोर्ट केस नही चल रहा है।
6. अराजी मुतनाजा भूमि SEZ (Special Ecomomical Zone) मे नही आता है।

वन मण्डल अधिकारी, गुरूग्राम ने अपने कार्यालय के पत्र क्रमांक 221-G **Dated 23-04-2018** के द्वारा आनलाईन क्लेरिफिकेशन दिनाकं 23.04.2018 की प्रति प्रेषित की है जिसमे लिखा है कि **Applicant Rajeev located at village/City Gurgaon district Gurgaon made a proposal** land measuring 72438 Sq. Mtr having Rect. No. 54 Killa No. 4 min(7-9), 5 (8-0), 6(8-0), 7(8-0), 14(8-0), 15(8-0), 16/1(0-7), 16/2(7-0), 17(7-7) Rect No. 55 Killa No. 11/2(4-9),

10(8-0), 11/1 (3-11), 20/1(5-11), 1/1(2-13), 19(7-7), 9/2(6-9), 20/2(1-16), 12(8-0), 13/1(1-8) Rect No. 54 Killa No. 13(8-0), 18(7-7), 12/2 min east north (3-6), 19 min east north (1-10) total 131-10, Killa No. 3/2 min (1-7), 8 min (7-3), 9 min (0-15), 12/1 min (2-9) to use this land for Building Construction. It is made clear that :-

A) As per records available above said land is not part of notified Reserved Forest, protected Forest under Indian Forest Act, 1927 or any area closed under section 4 & 5 Punjab Land Preservation Act 1900.

B) It is clarified that by the Notification No. S.O 8/P.A/2/1900/S 4/2013 dated 04-01-13 whole Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O 81/PA/2/1900/S.3/2012 dated 19-12-12 u/s 3 of PLPA 1900. The area is however not recorded as Forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest officer, Gurgaon.

C) If approach is required from Protected Forest by the user agency, the clearance/regularization under Forest Conservation Act 1980 will be required without prior clearance from Forest Department the user of Forest land for approach road is strictly prohibited. **M/s Eventual Builders Pvt. Ltd.** whose land is located at **Village Gurgaon District Gurgaon** must obtain clearance as applicable under Forest Conservation Act,1980.

D) As per the records available with the Forest Department Gurgaon the area does not fall in areas where plantations were raised by the Forest Department under Aravali project.

E) All other statutory clearances mandated under the Environment protection Act 1986, as per the notification of Ministry of Environment and Forest, Government of India dated 07-05-1992 or any other Act/Order shall be obtained as applicable by the project proponents from the concerned authorities.

F) The project proponent will not violate and Judicial Order/Direction issued by the Hon'ble Supreme Court/High Courts.

G) It is clarified that the Hon'ble Supreme Court has issued various judgement dated 07-05-2002, 29-10-2002, 16-12-2002, 18-03-2004, 14-05-2008 etc. pertaining to Aravali region in Haryana, which should be complied with.

H) It shall be the responsibility of user agency/applicant to get necessary clearance/ permissions under various Acts and Rules applicable if any, from the respective authorities/department.

I) This certificate is not applicable in case of Environment Department notification dated 10.03.2016 for Screening Plant and notification dated 11.05.2016 for Stone Crusher. Investor/Applicant has to take clearance from Envirnment Department in case of Screening Plant and Stone Crusher.

It is subject to the following conditions:

1. Clarification Is Hereby Issued.

अतः नायब तहसीलदार, कादीपुर व उप वन संरक्षक, गुरूग्राम की रिर्पोट अनुसार वर्णित किला नं. अरावली क्षेत्र में नहीं आते हैं।

कृतेः उपायुक्त, गुरूग्राम।

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

NABL Accredited & MoEF&CC Recognized Laboratory

(ISO 9001:2015/ISO14001:2015/OHSAS 18001:2007)

C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)

Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

TEST REPORT

(Soil)

Report No. :	IRDH-1019-COM- SL-27
Date of Reporting	09/10/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Group Housing colony "Joyville" on plot area measuring 17.9 acres In Sector-102, Gurgaon, Haryana
Nature of Sample	Soil
Identification of Sample	Soil sample collected from Project site
Date of Sampling	02/10/2019
Method of sampling	USDA method
Date of testing:	02/10/2019 To 08/10/2019
Sampled by	IRDH - Team

RESULTS

S. No.	Parameter	Test Method	Results	Unit
1.	pH	IS 2720 P-26 (1987)	7.9	--
2.	Conductivity	IS 14767 (RA 2016)	354.0	µS/cm
3.	Moisture	IS 2720 P-25 (1972)	10.2	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	39.5	%
5.	Specific Gravity	IS 2720 P-3 (1980)	2.40	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7.	Chloride	IRDH/SOP-SL/14	342.0	mg/kg
8.	Calcium	IRDH/SOP-SL/17	1028.0	mg/kg
9.	Sodium	IRDH/SOP-SL/11	138.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	98.0	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	294.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.60	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	18.4	meq/100gm
14.	Available nitrogen	IS 14684(1999)	42.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	5.2	mg/kg

JAS-ANZ

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

NABL Accredited & MoEF&CC Recognized Laboratory

(ISO 9001:2015/ISO14001:2015/OHSAS 18001:2007)

C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)

Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

S. No.	Parameter	Test Method	Results	Unit
16.	Texture	IRDH/SOP-SL/08		% by mass
	Sand		64.2	
	Clay		23.9	
	Silt		11.9	
17.	Sodium Absorption Ratio(SAR)	IRDH/SOP-SL/13	0.98	By calculation

End of Report

Dr. SNA Rizvi
Authorized Signatory

1- Test Report is limited to the invoice raised
2-Test Report cannot be reproduced in a part or as whole in court without laboratory permission.
3- Samples shall be retained for 4 weeks after test report submitted.

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

NABL Accredited & MoEF&CC Recognized Laboratory

(ISO 9001:2015/ISO14001:2015/OHSAS 18001:2007)

C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)

Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

TEST REPORT
(Ambient Air)

Report No	IRDH-1019-COM- AAQ-27
Date of Reporting	09/10/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Group Housing colony "Joyville" on plot area measuring 17.9 acres In Sector- 102, Gurgaon, Haryana
Location	Project site
Date of Sampling	02/10/2019 to 03/10/2019
Type of Monitoring	Ambient Air Monitoring
Parameters to be sampled	$PM_{2.5}$, PM_{10}, SO_2, NO_2, CO
Weather condition	Clear sky
Method of sampling	As per standard Method
Duration of Monitoring	24 hourly

RESULTS

S. No	Parameter	Method	Results	Unit	Requirement (CPCB limits)*
1.	Particulate Matter as $PM_{2.5}$	IRDH/SOP/AAQM/01	84.0	µg/m³	60
2.	Particulate Matter as PM_{10}	IS 5182 P- 23 (2006)	189.0	µg/m³	100
3.	Sulphur dioxide as SO_2	IS 5182 P-02 (2001)	15.0	µg/m³	80
4.	Nitrogen dioxide as NO_2	IS 5182 P-06 (2006)	26.0	µg/m³	80
5.	Carbon monoxide as CO	IRDH/SOP/AAQM/08	<1.0	mg/m³	4.0

Gazette notification published by MoEF&CC, New Delhi on 18 Nov. 2009

End of Report

Dr. SNA Rizvi
Authorized Signatory

1- Test Report is limited to the invoice raised
2-Test Report cannot be reproduced in a part or as whole in court without laboratory permission.
3- Samples shall be retained for 4 weeks after test report submitted.

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TEST REPORT
(Ambient Noise)

Report No	IRDH-1019-COM- ANQ-27
Date of Reporting	09/10/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Group Housing colony "Joyville" on plot area measuring 17.9 acres In Sector- 102, Gurgaon, Haryana
Location	Project site(ANQ 1)
Date of Sampling	02/10/2019 to 03/10/2019
Type of Monitoring	Ambient Noise Monitoring
Method of sampling	As per standard Method
Sampling Protocol	IRDH/SOP-NS/22
Duration of Monitoring	24 hourly
Sample drawn by	IRDH Laboratory

RESULTS

All values are in dB (A)

Sr. No.	Locations	Day Time (Lday) 06:00AM - 10:00PM	Night Time (Lnight) 10:00PM - 06:00AM
ANQ -1	Project site	53.1	41.2

CPCB Limits			
Sr. No		*Day Time*	*Night Time*
1.	*Industrial area*	*75*	*70*
2.	*Commercial area*	*65*	*55*
3.	*Residential area*	*55*	*45*
4.	*Silence Zone*	*50*	*40*

End of Report

Dr. SNA Rizvi
Authorized Signatory

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SRN Receipt: Forest

Date: 01-03-2018

SRN: YAN-7BG-FW1J **Status:** Pending

Name: Rajeev Gupta	**Category:** Organisation
Organization Name: Pvt Ltd	**Address:** M/s Eventual Builders Pvt. Ltd.
Request Type: Clarification	**Division Name:** Gurgaon

Issued by Rajeev Gupta from (Invest Haryana)

Joyville site photographs.

Quality Council of India

National Accreditation Board for Education & Training

CERTIFICATE OF ACCREDITATION

Ind Tech House Consult

Ground Floor, G-8/6, Rohini, Sector -11, Delhi – 110089

Accredited as **Category - A** organization under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations: Version 3 for preparing EIA-EMP reports in the following Sectors:

Sl. No.	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1	Mining of minerals opencast only	1	1 (a) (i)	A
	Mining of minerals underground mining			B
2	Offshore and onshore oil and gas exploration, development & production	2	1 (b)	A
3	River Valley projects	3	1 (c)	A
4	Petro-chemical complexes	18	5 (c)	A
5	Synthetic organic chemicals industry	21	5 (f)	B
6	Oil & gas transportation pipeline, passing through national parks/ sanctuaries/coral reefs /ecologically sensitive areas including LNG terminal	27	6 (a)	A
7	Isolated storage & handling of Hazardous chemicals	28	6 (b)	B
8	Ports, harbours, break waters and dredging	33	7 (e)	B
9	Aerial ropeways	35	7 (g)	B
10	Common Municipal Solid Waste Management Facility (CMSWMF)	37	7 (i)	B
11	Building and construction projects	38	8 (a)	B
12	Townships and Area development projects	39	8 (b)	B

Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in RA AC minutes dated Jun. 14, 2018 posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/18/0740 dated Sep. 05, 2018.The accreditation needs to be renewed before the expiry date by Ind Tech House Consult, Delhi, following due process of assessment.

Sr. Director, NABET
Dated: Sep.05, 2018

Certificate No.
NABET/ EIA/1821/ RA 0098

Valid till
31.01.2021

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

C-10, II FLOOR, SECTOR 06, NOIDA, UTTAR PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-5912

Issue Date: 30/06/2019 **Valid Until:** 29/06/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer