



**SIX MONTHLY COMPLIANCE REPORT FOR
SUBMISSION ON DECEMBER 2019**

**Affordable Group Housing Project "Super Max"
AT
Village Rathdhana, Sector 33, Sonipat, Haryana**

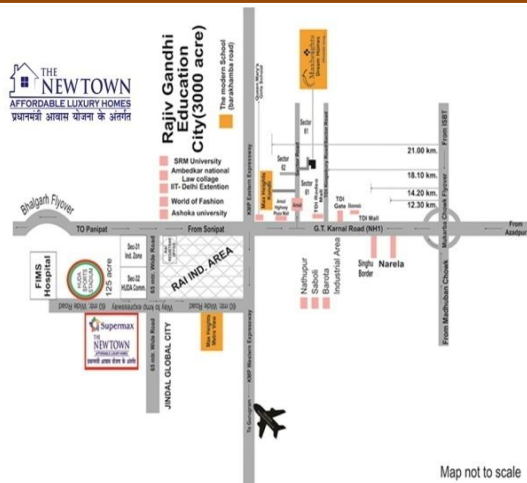
M/s Super Max Affordable Housing Pvt. Ltd.

EC LETTER

SEIAA/HR/2018/33 Dated 11/01/2018

Name of Consultant & NABET Accreditation No

**Aplinka Solutions & Technologies Pvt. Ltd. | www.aplinka.in
Corp. Office : A-48, Ground Floor, Sector-64, Noida - 201301
NABET Accreditation No: NABET/EIA/1922/RA 0139**



Map not to scale

Project Name	Six Monthly Compliance report for Affordable Group Housing Project "Super Max"
Project Proponent	M/s Super Max Affordable Housing Pvt. Ltd.
Project Address	Village Rathdhana, Sector 33, Sonipat, Haryana

**DECEMBER
2019**

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

No. SEIAA/HR/2018/ 33

Dated: 11-01-2018

To

M/s Super Max Affordable Housing Pvt. Ltd.,
 UG-60 (Upper Ground Floor), Parker Mall,
 NH-1, Kundli, Sonapat, Haryana-131028

Subject: Environmental Clearance for construction of Affordable Group Housing Project "Super Max", located at Village – Rathdhana, Sector-33, Sonipat Haryana.

Dear Sir,

This letter is in reference to your application no. SMAH/2017/211 dated 31.10.2017 addressed to M.S. SEIAA, Haryana received on 03.11.2017 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 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 meeting held on 29.11.2017 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the construction of Affordable Group Housing Project "Super Max", located at Village – Rathdhana, Sector-33, Sonipat Haryana on a total plot area of 20234.25 sqm (5Acres). The total built up area shall be 48677.80 sqm. The Project shall comprise of 8 Residential Towers i.e. Block (A, D, E, F, G and H (S+12 floors), (B & C (S+13 floors), 2 Commercial, Community Center, Creche Center. The Affordable Group Housing project shall have 743 Dwelling Units The maximum height of the building shall be 40.90 meter. The total water requirement shall be 358 KLD. The fresh water requirement shall be 244 KLD. The waste water generation shall be 282 KLD, which will be treated in the STP of 350 KLD capacity. The total power requirement shall be 5000 KVA which will be supplied by UHBVN. The Project Proponent has proposed to develop green belt on 4900.73 sqm (24.22%) of project area (1195.093 sqm Periphery Area + 3705.636 sqm Lawn Area). The Project Proponent proposed to construct 05 rain water harvesting pits. The solid waste generation will be 1966.54 kg/day. The bio-degradable waste will be treated in the project area by adopting appropriate technology. The total parking spaces proposed are 396 ECS for Car parking or 892 ESS for two wheeler parking.

[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 22.12.2017 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(a) 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 labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [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] Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [14] 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.
- [15] 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.
- [16] The Project Proponent as stated in the proposal shall construct total 05 rain water harvesting pits 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.
- [17] 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.
- [18] The Project Proponent shall obtain assurance from the UHBVN for supply of 5000 KVA 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.
- [19] Detail calculation of power load and ultimate power load of the project shall be submitted to UHBVN under intimation to SEIAA Haryana before the start of

construction. Provisions shall be made for electrical infrastructure in the project area.

- [20] 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.
- [21] 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.
- [22] Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [23] 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.
- [24] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [25] 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.
- [26] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [27] The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [28] 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.
- [29] 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.
- [30] 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.
- [31] 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.

- [32] The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [33] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [34] 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.
- [35] The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the Authority within one month.
- [36] The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [37] 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.
- [38] The project proponent shall maintain the distance between STP and water supply line.
- [39] The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [40] 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 Affordable Group Housing Project.
- [g] The project proponent as stated in the proposal should maintain at least 24.22% 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 mesh 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 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 provide green area on terrace and roof top.
- [ae] 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, the respective Zonal Office of CPCB, 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}, PM₁₀, 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.
- [xx] 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.


Chairman,


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

Endst. No. SEIAA/HR/2018/

Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MOEF, GOI, Indra Paryavaran Bhavan, Zor bagh Road-New Delhi.
2. The Regional office, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, Pkl.


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

Project Name	Six Monthly Compliance report for Affordable Group Housing Project “Super Max”
Project Proponent	M/s Super Max Affordable Housing Pvt. Ltd.
Project Address	Village Rathdhana, Sector 33, Sonipat, Haryana

**DECEMBER
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CHAPTER I: INTRODUCTION

A. Purpose of the Report

As per EIA Notification 2006, it is mandatory to submit six monthly compliance report to the regulatory authorities concerned, in order to show the status & on-ground compliance of all the Conditions mentioned in Environment Clearance letter, along with monitoring of various environmental parameters (as per CPCB Norms) in June and December of each calendar year.

The regulatory authorities concerned are Haryana State Pollution Control Board, Regional Office-MoEF&CC (Chandigarh) and SEIAA, Haryana. Site visit was conducted by a team of experts to monitor pollution related parameters as defined by CPCB. Samples for ambient air, ambient noise and treated water used for construction were collected for further analysis. All the analysis results, current implementation status of conditions on site and proposed implementations have been incorporated in the report.

B. About the Project Proponent

Supermax group provides the highest level of services with quality, commitment, integrity, excellence and exceptional values without compromising on the trust factor. With an outstanding reputation within the investors and home buyers fraternity beyond Delhi NCR, Supermax group becomes one of the leading developers in the region.

C. About the Project

The project is located in Sector 33, Sonipat. The project lies in close proximity of Rathdhana village. The project will be equipped with the facilities for harvesting the storm water, harnessing the solar power and efficient management of the solid waste.

D. Salient Features of the Project

Project Name	Affordable Group Housing Project “Super Max”
Project Proponent	M/s Super Max Affordable Housing Pvt. Ltd.
Project Location	Village Rathdhana, Sector 33, Sonipat, Haryana
Plot Area	20,234.25 sq.m (5 Acre)
Built up area	48,677.80 sq.m
Landscape Area	4900.73 sq.m (24.22 % of plot area)
No. of Towers	8 Residential Towers, 2 Commercial, Community Centre & Creche Centre
Total water requirement	358KLD
STP Capacity	350 KLD

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Project Address	Village Rathdhana, Sector 33, Sonipat, Haryana

**DECEMBER
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Power Requirement	5000 KVA, supplied by UHBVN
No. of RWH pits	5
Maximum height of building	40.90m

E. Status of Environmental Clearance & Consents

Environmental Clearance	No. SEIAA/HR/2018/33 Dated 11/01/2018.
Consent to Establish	No. HSPCB/CONSENT/: 329962318SONCTE5001518 Dated: 14/02/2018

F. Status of Previous Compliance submission

Six monthly compliance reports have been regularly submitted to the SEIAA-Haryana, Haryana State Pollution Control Board (HSPCB) and Regional Office MOEF&CC Northern Region (Chandigarh). Acknowledgement copy of the previous compliance has been attached as **Annexure I**.

G. Project Location

The Affordable Group Housing project “Super Max” located at village Rathdhana, Sector 33, Sonipat, Haryana. The distance from basic amenities is given below in Table 1.

Table 1. Site connectivity (Aerial Distance)

S. No.	Amenities	Distance
1.	Sonipat Narela Road	1.98 km
2.	SH - 11	2.57 km
3.	NH-1	2.49 Km
4.	Harsana Kalan Railway station	7.75 Km
	Hospitals	
5.	FIMS Hospital	2.43 km
	Schools/ Colleges	
6.	Rose Valley Public School	2.89 km
	Temples	
7.	Vaishno Devi Mandir	5.32 km

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**DECEMBER
2019**

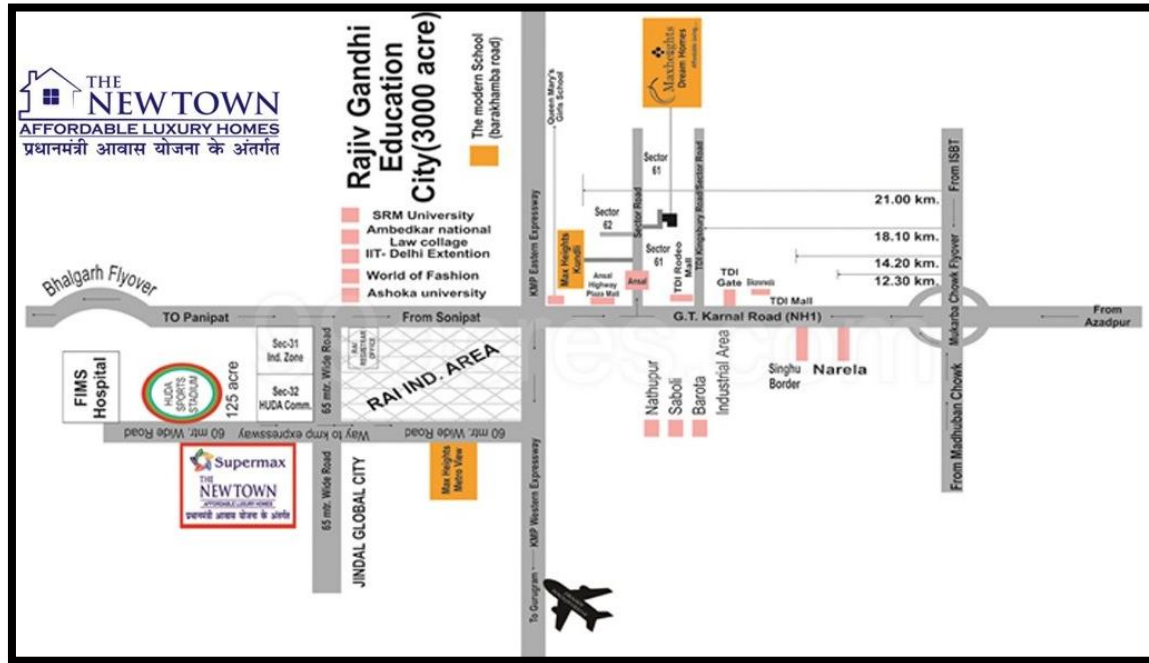


Figure 1.1 : Location of the Project

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CHAPTER II: PROGRESS REPORT & SITE PHOTOGRAPHS

A. Status of Project

The project comprises of 8 Residential towers, 2 commercial block, Community centre and Creche Centre. Project is in construction phase. Construction status is as follows:

B. Construction status of Blocks & Towers

Tower	Structure Work	Brick Work	Plaster Work	Electrical Work	Plumbing Work
A (S +12)	100 %	100 %	100% Internal, 20% External	100% Internal	90%
B (S + 13)	100 %	100 %	80% Internal	-	58%
C (S + 13)	100 %	100 %	70% Internal	-	90%
D (S + 12)	40%	40%	Not Started	Not Started	Not Started
E (S + 12)	40%	40%	Not Started	Not Started	Not Started
F (S + 12)	50%	50%	Not Started	Not Started	Not Started
G (S + 12)	60%	60%	Not Started	Not Started	Not Started
H(S + 12)	60%	15%	Not Started	Not Started	Not Started
2 Commercial	Not Started	Not Started	Not Started	Not Started	Not Started
Community Centre	Not Started	Not Started	Not Started	Not Started	Not Started
Creche	Not Started	Not Started	Not Started	Not Started	Not Started
Landscape	Initiated - Under process				

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C. Site Photographs



Figure 2.1 – Status of Project



Figure 2.2 - Green Belt & Barracading around the project



Figure 2.3- Temporary Toilet Facility at site



Figure 2.4- Use of Fly Ash bricks in construction



Figure 2.5 – Safety Boards at site

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CHAPTER III: POST ENVIRONMENTAL COMPLIANCE STATUS

Name of the project: Affordable Group Housing Project "Super Max" located Village Rathdhana, Sector - 33, Sonipat, Haryana.

EC letter no.: SEIAA/HR/2018/33 Dated 11/01/2018

A. Compliance of conditions as mentioned in the EC letter

S.No.	CONDITIONS	STATUS OF COMPLIANCE
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.	Consent To Establish has been obtained from Haryana State Pollution Control Board vide letter no. HSPCB/Consent/: 329962318SONCTE5001518 Dated 14/02/2018. A copy of CTE is attached as Annexure II.
2.	A first aid room as proposed in the project report shall be provided both during construction and operation phase of the project.	First aid facility is being provided at the site for the workers The same will be maintained during the operation phase.
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.	Labour hutment, drinking water and sanitary facilities are being provided for construction workers at site. Temporary toilets have also been availed to the construction site workers. The solid waste generated from the labour hutments are being collected separately and disposed off through vendor.
4.	All the top soil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	All the excavated soil is being stored within the project premises and is being used in backfilling, horticulture/landscaping purpose.
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 neighbouring communities and should be disposed of	a) A temporary store room has been constructed on site for storage of the construction material. b) Construction spoils such as concrete blocks bricks, scrap etc. are being segregated properly by using segregation machine at site and are being reused within the site.

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	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.	No bituminous material is being generated. Negligible amount of hazardous waste is being generated in the form of service oil from DG sets which got replaced after the interval of 300 hrs of DG set running. Service oil is being used in shuttering process and excess remaining oil gets disposed off through the vendor as per the Hazardous and other Waste (Management & Transboundary Movement) Rules, 2016.
7.	The diesel generator sets to be used during construction phase should be of ultra low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Acoustically enclosed DG is being used at site which is being fueled with low sulphur content diesel type.
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.	Diesel is being purchased on requirement basis. Therefore, no storage of diesel is required.
9.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.	Ambient noise and air standards were closely monitored and all results are found below the standards specified by CPCB. Reports are attached as Annexure III and results of the analysis have been discussed in chapter IV.
10.	Fly ash shall be used as building material in the construction as per the provision of Fly Ash notification of September, 1999 and amended as on 27th August, 2003.	Fly ash bricks are used in the construction as per the provision of Fly Ash notification of September, 1999 and amended as on 27th August, 2003. Photograph inferring the same is attached in Chapter IV.
11.	Storm Water Control and its re-use as per CGWB and BIS Standards for various	Storm water control and its re-use will be ensured for various applications as per CGWB

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	applications should be ensured.	and BIS standards. 5 rain water harvesting pits have been proposed for harnessing the storm water and to maintain the ground water recharge.
12.	Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.	Premixed concrete and curing agents are being used to reduce the water demand during construction.
13.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	Building is being designed & constructed as per the National Building Code & Energy Conservation building Code.
14.	Opaque walls should 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 fulfil requirement.	Agreed.
15.	The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipment, 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 Competent Authority.	a) To deal with any fire related accident, fire-fighting facility of single handed hydrant valve, long hose reel, and portable fire extinguisher will be provided. Installation work for the same will be initiated. b) The project falls under seismic active Zone IV indicating high damage risk zone. The buildings will be designed as earthquake resistant and comply with the required IS specifications. c) Forest NOC is attached as Annexure IV .
16.	The project proponent as stated in the proposal shall construct 5 nos. rain water harvesting pits 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 care	a) Total of 5 rain water harvesting pits is proposed. b) Operation & Maintenance staff will be hired for the maintenance of RWH and other environmental amenities present at site. c) Desilting and oil & grease chamber will be provided before the storm water enters the rain water harvesting pits. Additionally, the storm water will be channelized towards the drain for first 5-10 mins; so as to prevent the first flush contamination.

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	that contaminated water do not enter any RWH pit.	
17.	The Project proponent shall provide for adequate fire safety measures and equipment's 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 the fire safety scheme/ NOC from competent Authority as required.	To deal with any fire related accident, fire-fighting facility of single handed hydrant valve, long hose reel, portable fire extinguisher and other equipments for fire safety measures will be provided as per Haryana Fire Service Act, 2009 and NBC. Installation work for the same will be initiated.
18.	The project proponent shall obtain assurance from UHBVN for supply of 5000 KVA 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.	The assurance from UHBVN for power supply has been obtained. Copy of the same is enclosed as Annexure - V .
19.	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.	Detail calculation of power load has already been submitted to SEIAA, Haryana.
20.	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.	There is no natural land depression/ Nallah/ water course in the project site. Natural flow during rainy season will not be obstructed as weep holes will be provided to avoid any such obstruction.
21.	The project proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the project as per prescribed by-laws. Levels of the other areas in the projects shall also be kept suitably so as to avoid flooding.	Plinth level of the building blocks will be made sufficiently above the level of the approach road by filling with soil and with construction waste. Level of the other areas will be kept suitably above the approach road level to avoid flooding.
22.	Construction shall be carried out so that density of population doesn't exceed	Construction is being carried out as per plans approved by DTCP, Haryana. The facilities and amenities have been planned keeping in mind

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	norms approved by Director General Town and Country Planning Department, Haryana.	the maximum possible population density complying with the norms of DTCP, Haryana.
23.	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.	No ground water is being utilized in the construction work. Affidavit regarding the same is attached as Annexure VI .
24.	The Project Proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.	There were no trees present at the site before the commencement of construction phase. Hence no tree cutting/felling was done.
25.	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.	At present, the site is enclosed by 3 m high barricade (photograph attached in Chapter II). Sprinkling of water is being done regularly and materials are covered to suppress the fugitive dust emissions.
26.	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	During rainfall; adequate provision and precautions for trapping the pollutant and other wastes are being taken.
27.	The project Proponent shall provide proper Rasta of proper width and proper strength for each project before start of construction.	A Rasta of proper width and strength has been provided for labour and vehicles before the start of construction.
28.	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.	Noted.
29.	The project proponent shall adequately control construction dusts like silica dust, non- silica dust, wood dust. Such dusts shall not spread outside the project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.	Proper PPEs have been provided to all the workers involved in construction at site.
30.	The project proponent shall develop complete civic infrastructure of the Group Housing Colony including internal roads,	Noted.

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	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.	
31.	The project proponent shall provide one refuse area till 24 meter, one till 39 meter each, as per the National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/ commercialized.	This will be followed.
32.	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	This will be followed.
33.	The project proponent shall obtain permission of Mines and Geology Department for excavation of Soil before the start of construction.	Since no basement was proposed, the quantity of excavated soil was minimal which is being utilised in landscape development.
34.	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.	All the necessary approval from HUDA regarding provision of Storm Drainage and sewerage system including their integration with external services of HUDA has been taken. Copy of the same is enclosed as Annexure VII .
35.	The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the authority within one month.	During Construction phase, negligible quantity of solid waste is generated which is being managed as per Solid Waste Management Rule 2016.
36.	The project proponent shall submit a copy of fire safety plan duly approved by the fire department before the start of construction.	This has been followed.

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37.	The project proponent shall discharge excess of treated waste water/storm water in public drainage system and shall seek permission of HUDA before start of construction.	Treated water from In-house STP will be used in horticulture and flushing within the project premises. However during operation phase if in case waste water/storm water needs to discharge in public sewer, permission from the competent authority has been obtained. Copy of the same is enclosed as Annexure VII .
38.	The project proponent shall maintain the distance between STP and water supply line.	This will be followed.
39.	Project proponent shall ensure that the stack height is 6m more than the highest tower.	An adequate stack height above the tallest building will be ensured during the operation phase as well to comply with the CPCB norms
40.	The project proponent shall ensure that the structural stability to withstand earthquake of magnitude 8.5 on Richter Scale.	This will be followed.

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 SEIAA, Haryana.	This will be followed after completion of construction phase and prior to Operation Phase of the project.
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 should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall not only remove 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	Agreed. a) STP of capacity 350 KLD will be installed at the site. b) Maintenance and cleaning will be ensured. c) With the aid of dual plumbing; treated water will be reused in flushing, horticulture and cooling.

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	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 less than 10 mg/ltr and the recycled water will be used for flushing, gardening and DG set cooling etc. achieve zero exit discharge.	Dual Plumbing line has been proposed for the separation of the grey and black water generated from site. Haryana. Treated water from In-house STP will be reticulated through dual plumbing system for used in flushing, horticulture etc.
d	For disinfection of the treated wastewater ultra-violet radiation of ozonization process should be used	Noted.
e	Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be enclosed type and conform to rules made under the Environmental (Protection) Act, 1986. The location of the DG sets shall be in the basement 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.	During operation phase of the project, acoustically enclosed DG sets with proper stack heights as per the CPCB norms will be deployed at site. They will be fueled with low sulphur content diesel type.
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 Affordable Group house project.	Agreed. Ambient noise level will be controlled both within and at the boundary of the project so that it does not exceed the prescribed standards.
g	The project proponent as stated in the proposal should maintain at least 24.22% as green cover area for tree plantation especially all around the periphery of the	Greenbelt is being developed as per plan submitted to SEIAA, Haryana. The open spaces inside the plot will be preferably landscaped and covered with

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	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.	vegetation/grass, herbs and shrubs. Only locally available plant species will 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.	Agreed. Native plants having less water requirements are being planted site. STP treated water will be recycled for landscaping and flushing purposes.
i	Rainwater 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 should be taken that the contaminated water does not enter any RWH pit. The project proponent shall avoid Rainwater Harvesting of first 10 minutes 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.	<p>a) Total 5 RWH pits will be provided as per the plan submitted to SEIAA, Haryana.</p> <p>b) Rainwater harvesting as per plan for roof run-off and surface run-off will be implemented.</p> <p>c) Suspended matter, oil and grease will be removed by wire mesh and filters before recharging with surface run-off.</p> <p>d) Care will be taken so that contaminated water does not enter any RWH pit.</p>
j	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Agreed. No ground water abstraction will be done be until CGWA approval for the same is approved. An Affidavit stating the same is enclosed as Annexure VI .
k	A report on the energy conservation measures conforming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building	Noted.

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	materials & technology; R & U factors etc. and submit to the SEIAA in three month time.	
l	Energy conservation measures like installation of LED for lighting the areas outside 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 extent possible for energy conservation.	LEDs will be used for common areas and service areas as a measure of energy conservation. Use of solar lighting in open spaces, common area, and landscape area for lighting outside the building will be the integral part of the project design.
m	The project proponent shall use zero ozone depleting potential material in insulation, refrigeration, air conditioning and adhesive. Project proponent shall also provide Halcon free fire suspension system.	Agreed.
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 at the site earmarked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	a) The solid waste will be collected and segregated as per the requirement of the Solid Waste Management Rules, 2016. b) Non-biodegradable and Inert solid waste will be handed over to the authorized vendor
o	The provision of solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.	As per the amendment dated 14.03.2016 in Office order vide no. 22/52/2005-5Power, dated: 29.06.2005 of Haryana Govt, Renewable Energy department, the mandatory use of Solar Water heating system has been omitted.
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 road adjoining the proposed project site. Parking should be fully internalized and no public space should be	Parking will be developed as per plan submitted to SEIAA, Haryana. There will be no traffic congestion near the entry and exit points from the road adjoining the proposed project site. Parking will be fully internalized and no public space will be used.

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	used.	
q	The project shall be operationalized only when HUDA/ public authority will provide domestic water supply system in the area.	Water assurance for operation purpose is enclosed as Annexure VII .
r	Operation and maintenance of STP, solid waste management and Electrical Infrastructure, pollution control measures shall be ensured even after the completion of the Project.	Noted
s	Different types of Wastes should be disposed off as per the provisions of Municipal Solid Waste, biomedical waste, Hazardous waste, e- waste, batteries and 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 should be disposed of to only registered and authorized dismantler/ recycler.	<p>a) Solid waste management will be done adequately following all the norms. Waste will be collected in coloured bins (green and blue) for bio-degradable and non-biodegradable waste respectively. Solid waste management plan has already been submitted to SEIAA, Haryana.</p> <p>b) Biodegradable waste will be treated in the project area using Organic waste converter.</p> <p>c) The non- biodegradable waste will be handed over to local authorized waste pickers/recyclers or dumped in the bins of urban local body.</p> <p>d) E-waste and battery waste will be managed as per existing E-waste (Management) Rules 2016 and Batteries Management Rules 2001.</p>
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.	Standards for discharge of Environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 will be strictly complied with.
u	Water Supply shall be metered to different residential units and different utilities.	This will be followed.
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 prescribed limits. Noise and Emission level of DG Sets greater than 800 KVA shall be as per CPCB latest standards	Stack Height of DG Sets will be maintained as per CPCB norms. Regular maintenance of DG sets will be carried out so that the noise and emission level of high capacity DG sets will be kept within the CPCB prescribed limits. DG sets with acoustic enclosure will be installed.

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	for high capacity DG Sets.	
w	All electric supply exceeding 10 amps, 3 phases shall maintain the power factor between 0.98 lag to 1 at the time of connection.	It will be followed.
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 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 restored for conservation of power and water. Coil type cooling DG sets shall be used for saving cooling water consumption for water cooled DG sets	This will be followed.
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.	Noted. This will be followed.
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.	Noted. This will be followed.
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 is being done regularly for the suppression of dust during construction phase. The same will be followed during operation phase.

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ab	The project proponent shall ensure proper Air Ventilation and light system in the basement area for comfortable living of human being and shall ensure that number of Air Changes per hour (ACH) in basement never fall below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent	There is no Basement.
ac	The project proponent shall ensure drinking/domestic water supply as per prescribed standard till treated water supply is made available by HUDA.	Noted. This will be followed.
ad	The project proponent shall provide green area on terrace & roof top.	Green Area is being developed as per plan submitted to the SEIAA, Haryana.
ae	The project proponent shall install solar panel for energy conservation.	Noted. This will be followed.

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.	Noted.
II.	The project proponent shall also submit Six monthly compliance reports on the status of compliance of EC conditions including results of monitoring data (both in hard copies as well as by e- mail) to Northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.	This is being followed. Acknowledgement copy of previous submitted compliance report is attached as Annexure I .
III.	STP Outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt	This will be followed during operational phase. The monitoring schedule will be implemented as per the EMP and all the audit

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	shall be monitored on quarterly basis. After every 3(three) month, the project proponent shall conduct environmental audit and shall take corrective measures, if required, without delay.	findings will be incorporated
IV.	The SEIAA, Haryana reserves the right to add additional safeguard measure 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.
V.	The project Proponent shall not violate any judicial orders/ pronouncements issued by any court/ tribunal.	Agreed.
VI.	All other statutory clearance such as approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, PLPA 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.	Forest NOC received from concerned divisional forest officer. The forest NOC is attached as Annexure IV . Diesel being purchased on daily basic and there is no storage of Diesel at site, Hence no permission is required from Chief Controller of Explosives.
VII.	The project proponent should inform the public that the project has been accorded Environmental Clearance by the SEIAA and copies of the clearances letter are available with the 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	Advertisement regarding grant of Environmental Clearance letter was made in the newspaper at the time of EC.

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	project proponent's web site for public awareness.	
VIII.	Under the provisions of Environmental (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.	Agreed.
IX.	Any appeal against this Environment Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Agreed
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 issue of this letter.	This will be followed.
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.	Agreed.
XII.	The project proponent shall ensure the compliance of forest Department, Haryana Notification no. S.O. /PA2/1900/S.4/97 dated 28.11.1997.	Forest NOC has been obtained and is enclosed as Annexure IV .
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./operation phase enter the project premises without valid "Pollution Under Control" certificate from competent Authority.	All the vehicles hired during construction phase have PUC certificates.
XIV.	The project proponent is responsible for	Noted.

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	compliance of all conditions in Environmental Clearance letter and project proponent cannot absolve herself or himself 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.	Noted.
XVI.	Besides the developer/ applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environment Clearance Letter shall also lie on the licensee/ licensees in whose name/names the license/ CLU has been granted by the Town and Country Planning Department, Haryana.	Noted.
XVII.	The project proponent shall upload the status of the compliance of the stipulated EC conditions, including results of monitoring 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; PM2.5, PM10, SOx, NOx, 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.	Noted.
XVIII.	The environmental statement for each financial year ending 31st March in Form-V as in 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	Noted. This will be followed.

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	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 environment audit and corrective measures shall be submitted in the monitoring report.	Noted. This will be followed.
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.	Noted. This will be followed.
XXI.	The validity of this environment clearance letter is valid upto 7 years from the date of issuance of EC letter. The environment clearance conditions applicable till life space projects in case of Residential project will continue to apply. The resident welfare association/Housing cooperative societies shall responsible to comply conditions laid down in EC. In case of violation the action will be taken as per the laid down law of land. Compliance report should be send to this office till life of the project.	Noted. This will be followed.
XXII.	If project is not completed within the validity period then the project proponent shall submit the application for extension of validity period of environment clearance i.e 7 years	Noted. This will be followed.

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B. Compliance of Conditions as mentioned in the NGT Order Dated 10.04.2015

S. No.	NGT Order dated 10.04.2015	Status of Compliance
1.	Every builder or owner shall put tarpaulin on scaffolding around the area of construction and the building. No person including builder, owner can be permitted to store any construction material particularly sand on any part of the street, roads in any colony.	Green Net covers are being used on construction site and adequate covering facility is being provided on site, wherever required. Further, construction materials are being stored within the project site.
2.	The construction material of any kind that is stored in the site will be fully covered in all respects so that it does not disperse in the Air in any form.	Construction material on site is being covered using green and stored in store rooms as per requirement.
3.	All the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form whatsoever.	Covered transportation of construction material is being done in order to prevent the dispersion of construction debris in the air in any form whatsoever.
4.	The dust emissions from the construction site should be completely controlled and all precautions taken in that behalf.	Water sprinkling is being done regularly to control the dust emission. The construction material is being covered using tarpaulin.
5.	The vehicles carrying construction material and construction debris of any kind should be cleaned before it is permitted to ply on the road after unloading of such material.	Vehicles carrying construction material and construction debris are being cleaned after unloading the material and before leaving the site.
6.	Every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris shall be provided with mask to prevent inhalation of dust particles.	All the safety measures for workers are being taken during construction phase. Workers are provided with PPEs. Regular safety trainings are being provided to laborers.
7.	Every owner and or builder shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.	Adequate First aid facility is being provided at the construction site.

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S. No.	NGT Order dated 10.04.2015	Status of Compliance
8.	It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and in terms of this order.	Construction material and debris waste is being reused at the site and remaining will be disposed off from construction site as per the Construction & Demolition Waste Management Rules, 2016.
9.	All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.	<ul style="list-style-type: none"> a) Sprinkling of water is being carried out at site as per the requirement. b) Boundary wall has been constructed around the project site. c) Tree plantation will help in preventing dust emission.
10.	Compulsory use of wet jet in grinding and stone cutting.	This will be followed.
11.	Wind breaking walls around construction site shall be provided.	A boundary is provided all around the project site (photograph shown in Chapter II)
12.	All the builders who are building commercial, residential complexes which are covered under the EIA Notification of 2006 shall provide green belt around the building that they construct. All Authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.	Green area is being developed as per the landscape plan submitted to SEIAA.

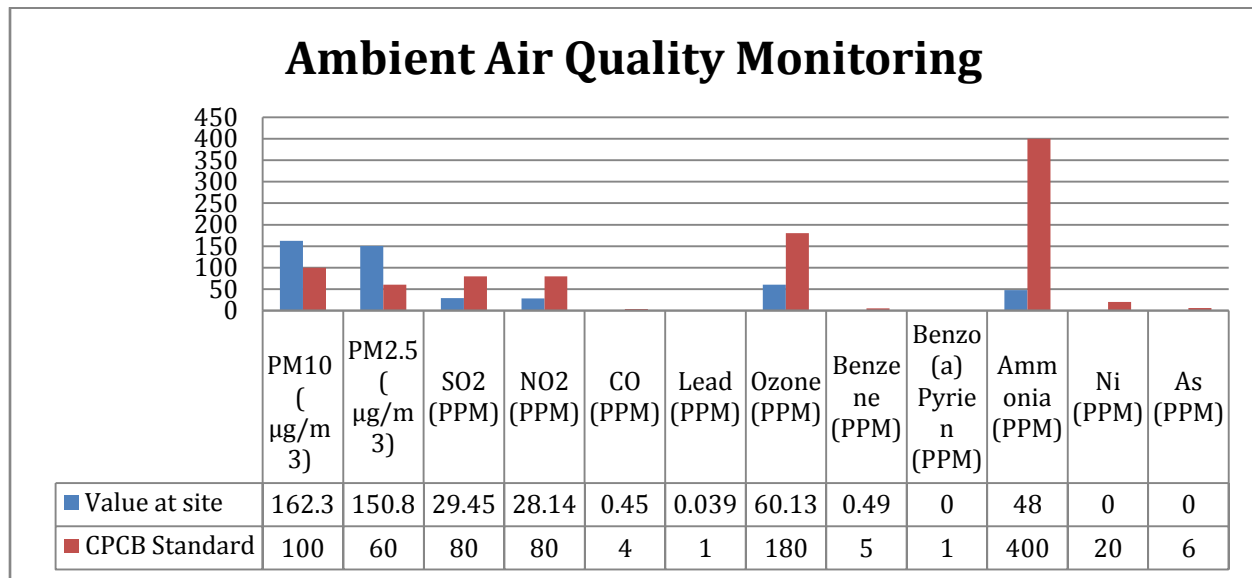
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CHAPTER IV: ENVIRONMENTAL MONITORING ANALYSIS

Site visit was conducted along with team of NABL Accredited Laboratory "Chemical Analysis Lab" for monitoring of the emission levels and contamination level of different parameters. The monitoring and collection of samples were done as per CPCB Norms. Following parameters were analyzed and observations are mentioned below. Monitoring results are attached as **Annexure III**.

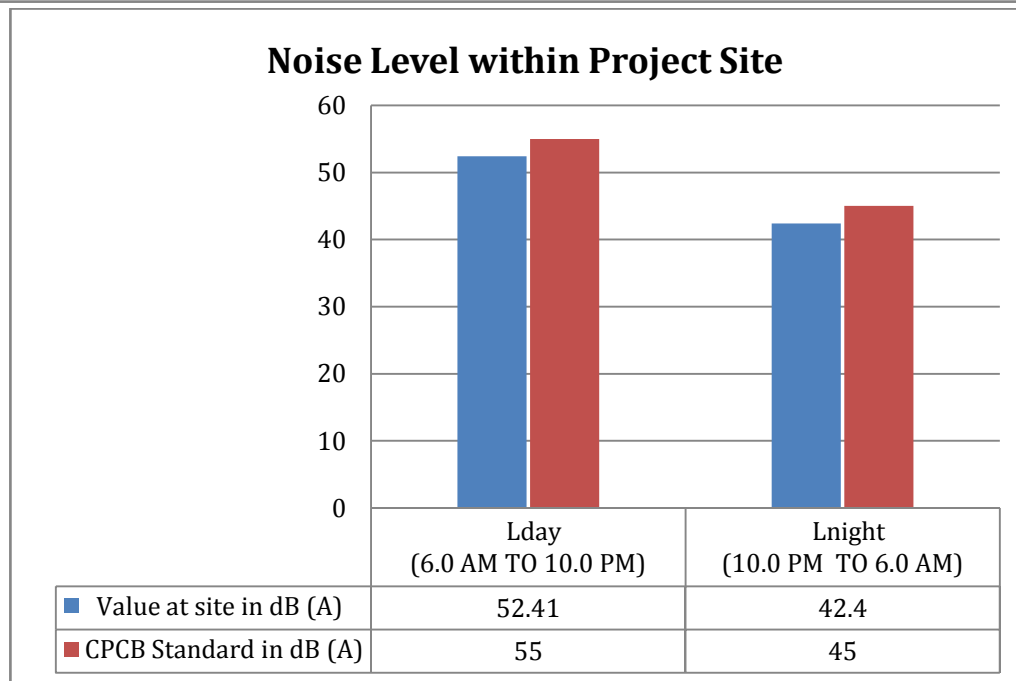
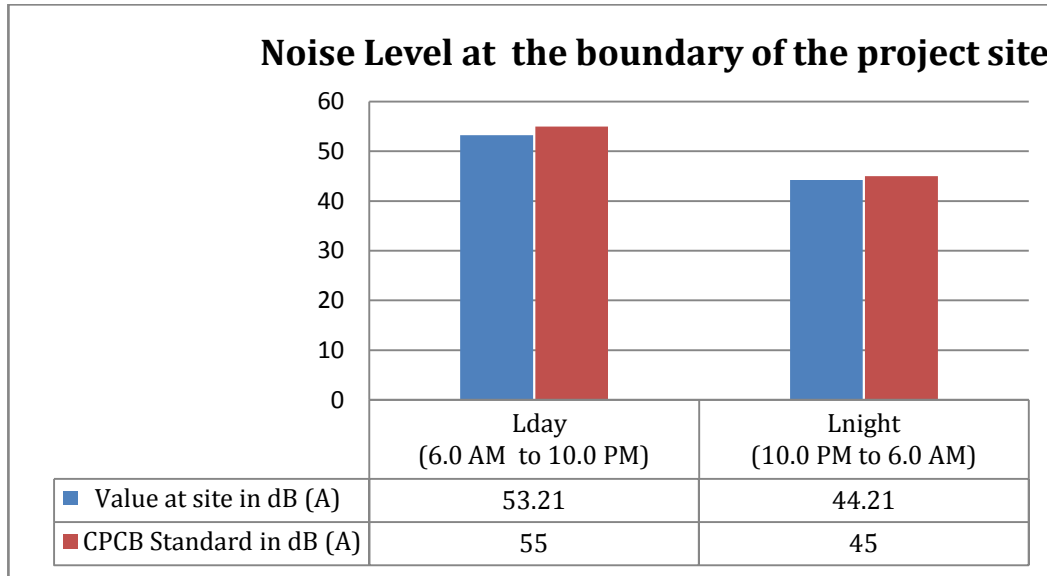
- A. Ambient Air Quality Monitoring:** Air Quality has been monitored in the month of September, 2019. The levels of PM₁₀ and PM_{2.5} are 162.3 µg/m³ and 150.8 µg/m³ respectively. Sulphur dioxide, Nitrogen dioxide, Carbon monoxide, Lead, Benzene and Ammonia were observed within the corresponding stipulated limits at monitoring location and units are in PPM.



- B. Ambient Noise Quality Monitoring:** : Noise measurements were carried out at the boundary of project site and within the project site in the month of September, 2019. Ambient standards with respect to noise both for Lday and Lnight are met and all the parameters are within the prescribed limits set by CPCB.

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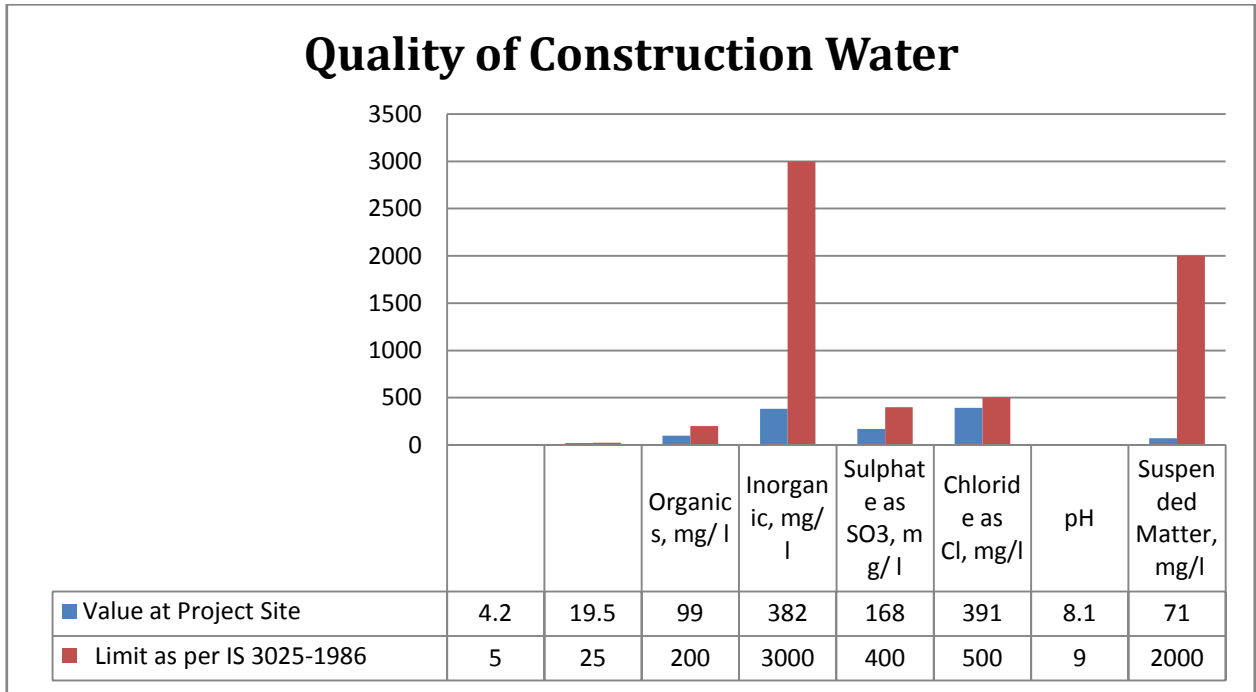


C. Treated Water Quality Monitoring: Treated water used for construction has been monitored in the month of September, 2019. All the parameters are within the prescribed limits. The value of pH should not be less than 6.0.

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Quality of Construction Water



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CHAPTER V: IMPLEMENTATION IN NEXT SIX MONTHS

Following measures will be taken in the next six months to comply with the conditions as mentioned in the Environmental Clearance letter:

1. Water sprinkling will be increased so that fugitive dust emission gets reduced.
2. DG set to be used at construction site will be regularly monitored and servicing will be done.
3. Safety training provided to the workers will be increased.