

ASTHETIC TOWNSHIP DEVELOPERS PRIVATE LIMITED

Reg. Office- 262, DDA OFFICE COMPLEX, JHANDEWALA EXT., NEW DELHI - 110055

Letter Ref. No. APL/P/20/008

Date: 25/06/2020

To,
The Director,
Northern Regional Office (MoEF&CC),
Bays No. 24 -25, Sector- 31-A,
Dakshin Marg,
Chandigarh - 160030

Subject: Submission of six-monthly Compliance report of **June-2020** for the Commercial Colony admeasuring 2.851 acres, Sector-27, Gurugram, Haryana with License No 97 of 2011 dated 09.11.2011 developed by M/s. Asthetic Township Developers Pvt. Ltd.

Reference: EC Letter No. : 21-137 /2018-IA-III; dated 07/02/2019.

Dear Sir,

This is with reference to the above-mentioned subject. We are herewith submitting six monthly compliance Report of "**June-2020**" (**1st October 2019 – 31st March 2020**) for the Commercial Colony Project admeasuring 2.851 acres at Sector-27, Gurugram, Haryana along with the necessary annexure for your kind perusal.

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

Thanking You,

Sincerely Yours,

For M/s. Asthetic Township Developers Pvt. Ltd.



Mukesh Gour
(Authorized Signatory)

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

Copy to: 1. Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana
2. Member Secretary, SEIAA, Haryana Bays No. 55 - 58, Paryatan Bhawan, 1st floor, Sector 2, Panchkula, Haryana 134115

CIN NO. U45201DL2006PTC147126

Email: asthetic64@gmail.com

Commercial Complex

‘Six Monthly Compliance Report’

**Expansion of Commercial Complex Project at
Sushant Lok, Sector-27, Gurugram Haryana by
M/s. Asthetic Township Developers Pvt. Ltd.**

SUBMITTED BY

**M/s Asthetic Township Developers
Pvt. Ltd.**

June 2020

TABLE OF CONTENT

S. No	Description
Compliance of Specific and General Conditions	

LIST OF ANNEXURES

Annexure	Description
Annexure-I	Environment Clearance Letter
Annexure-II	HSPCB/Consent/: 329962320GUNOCTE7324277 dated 03/02/2020
Annexure-III	Aravali NOC
Annexure-IV	Renewal of Licence from Directorate of Town & Country Planning, Haryana
Annexure-V	Intekaal Letter
Annexure-VI	Water Balance
Annexure-VII	RWH Details
Annexure-VIII	Waste management plan during Construction & Operation Phase
Annexure-IX	Photographs of construction of Wind Breaking wall of 10 mtrs. height for dust control
Annexure-X	Environment Monitoring Reports i.e. AAQ, Noise, Water & soil and its interpretation
Annexure-XI	Landscape plan
Annexure-XII	Photographs showing Excavated top soil is preserved
Annexure-XIII	PUC Certificate
Annexure-XIV	Environment Management and Monitoring Plan

LIST OF TABLES

Tables	Description	Page No
Table-1	Schedule of Ambient Air Quality Monitoring	01
Table-1(a)	Monitoring Result of SO ₂	01
Table-1(b)	Monitoring Result of NO ₂	02
Table-1(c)	Monitoring Result of PM ₁₀	03
Table-1(d)	Monitoring Result of PM _{2.5}	04
Table-1(e)	Monitoring Result of CO	05
Table-2	Schedule of Noise Monitoring	06
Table-2(a)	Day time Monitoring result for Ambient Noise	07
Table-2(b)	Night time Monitoring result for Ambient Noise	07
Table-3	Schedule of Drinking water Monitoring	08
Table-3(a)	Result of Drinking water monitoring	09

Tables	Description	Page No
Table-4	Soil Monitoring results	10

LIST OF FIGURES

Tables	Description	Page No
Figure-1(a)	SO ₂ Concentration	02
Figure-1(b)	NO ₂ Concentration	03
Figure-1(c)	PM ₁₀ Concentration	04
Figure-1(d)	PM _{2.5} Concentration	05
Figure-1(e)	CO Concentration	06
Figure-2(a)	Graph showing day time noise monitoring results	07
Figure-2(b)	Graph showing night time noise monitoring results	08

COMPLIANCE REPORT

Specific and General Conditions as per the Environmental Clearance issued for Expansion vide F. No. 21-137/2018-IA.III Dated: 07/02/2019 (Annexure-I) for Construction and Operation phases of the Project.

S No	Conditions	Compliance
Part A Specific conditions		
I. Construction phase		
i.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	We would obtain all the necessary clearances/permission from all the concerned departments in due course of time. As we are in initial stage of excavation work only. Following permission we have already obtained: i. Environmental Clearance, ii. Consent to Establish, iii. Aravali NOC, iv. Renewal of Licence from Directorate of Town & Country Planning, Haryana v. Intekaal Letter Copies of these permissions/clearances are attached as Annexure I, II, III, IV & V respectively.
ii.	“Consent for Establishment /Operate” for the project shall be obtained from the State Pollution Control Board as required under Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	We have received Consent to Establish for the project. The Copy of the CTE issued by HSPCB vide CTE order no. HSPCB/Consent/: 329962320GUNOCTE7324277 dated 03/02/2020 is attached for your reference as Annexure-II .
iii.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.	We are in a process of getting our structure certificate approved from the competent. We will submit the Structure Stability certificate and vetted drawing in due course of Time. (Along with December 2020 Compliance report).
Topography and natural Drainage		
iv.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems	This condition will be complied. Topographical survey has already been done to maintain the natural unrestricted flow of water, when required.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	(SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	
Water requirement, Conservation, rain water Harvesting, and Ground Water Recharge		
v.	Fresh water requirement from HUDA supply shall not exceed 42 KLD with prior permission.	This condition will be complied.
vi.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	We will obtain a certificate from the local body regarding supply of water for operation of the project and the same will be submitted.
vii.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	For measurement of water consumption, we will install water meter at all the required points of water consumption and record of the same will be maintained and submitted.
viii.	At least 20% of the open spaces as required by the local building bye laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	This condition will be complied.
ix.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be	Dual plumbing system has already been taken into consideration. Water Balance showing use of treated water is attached as Annexure-VI for your reference.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	done.	
x.	Use of water saving devices fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	This condition will be complied and detailed will be submitted in December 2020 Compliance report.
xi.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	Dual plumbing system has already been taken into consideration. Water Balance showing use of treated water is attached as Annexure-VI for your reference.
xii.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	This condition will be complied and detailed will be submitted in December 2020 Compliance report.
xiii.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed 03 nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.	We have proposed 03 nos. of rain water harvesting recharge pits for rain water harvesting. We have considered all the design criteria of local authority and CGWB. Detail of RWH is attached as Annexure-VII .
xiv.	No ground water shall be used during construction/ operation phase of the project.	This condition will be complied.
xv.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	This condition will be complied.
Solid Waste Management		
xvi.	The provision of the Solid waste (Management) Rules, 2016, e-waste (Management) Rules, 2016, and the Plastics waste (Management) Rules, 2016 shall be	Waste management plan for construction and operation phase of the project has been prepared and submitted during Environmental Clearance. Detailed waste management plan solid waste, e-waste, and Plastic waste is attached as Annexure-VIII .

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	followed.	
xvii.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	This condition will be complied.
xviii.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation composting. The inert waste from project will be sent to dumping site.	Detailed waste management plan is prepared. Waste management plan is attached as Annexure-VIII .
xix.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Hazardous waste generated during Construction and operation phase of the project will be disposed off through Authorized Vendor only. As we are in initial stage of construction. No hazardous waste is generated till date. Hazardous Waste Management Rules will be followed.
xx.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	We would obtain this certificate from the concerned government department and same will be submitted in due course of time.
Sewage Treatment Plant		
xxi.	Sewage shall be treated in the STP based on SBR technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled / re-used for flushing and horticulture. Excess water shall be discharged to Municipal Sewer with prior permission.	This condition will be complied. We are in a stage of finalization of contractor for STP installation. We will submit the document in due course of time.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
xxii.	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/ drainage systems along with the final disposal point shall be obtained.	We will obtain this certificate and submit in due course of time.
xxiii.	No sewage or untreated effluent water would be discharged through storm water drains.	This condition will be complied.
xxiv.	The project proponents would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coliforms and other pathogenic bacteria.	We will do the regular monitoring of treated sewage as per the guideline of HSPCB.
xxv.	The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.	This condition will be complied. Detailed plan will be submitted in due course of time.
xxvi.	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	We will obtain the adequacy report for designed STP and submit the same in due course of time. We will ensure that there should not be any odour problem.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
xxvii.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	This condition will be complied and we will give agreement to the competent agency for disposal of sludge.
Energy		
xxviii.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	This condition will be complied. As we are in early stage of construction of the project. We will submit the detailed ECBC plan in due course of time.
xxix.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination.	This condition will be complied. As we are in early stage of construction of the project. We will submit the detailed ECBC plan in due course of time. Guideline and Rules for management of E-waste will be followed for disposal of Used CFLs, TFL and LED. Detailed plan of E-waste management will be submitted along with December 2020 compliance report.
xxx.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per	This condition will be complied. We are doing feasibility detailing for the same. Detailed plan for Energy Conservation Plan as per ECBC 2017 will be submitted.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	the state level/ Local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.	
xxxi.	Solar power shall be used for lighting.in the apartment to reduce the power load on grid. Separate electric meter-shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	This condition will be complied and detailed will be submitted in due course of time.
xxxii.	Use of environment friendly materials in bricks, blocks and other construction materials, _shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials- Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27 th August, 2003 and 25 th January, 2016. Ready mixed concrete must be used in building construction.	This condition will be complied and detailed will be submitted in due course of time.
xxxiii.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.	Adequacy Certificate for power supply will be obtained and submitted in due course of time.
Air Quality and Noise		
xxxiv.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention	Work for construction of Wind Breaking wall of 10 mtrs. height for dust control has already been started and we are in final stage completion of this construction. Photograph of the same is attached for

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking Out debris from the site. Sand, murram, loose soil, cement stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	your reference as Annexure-IX .
xxxv.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory implementation of Dust Mitigation Measures for Construction "and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	We have noted the condition; we will follow the Mandatory implementation of Dust Mitigation Measures during construction activity.
xxxvi.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	C&D Waste management Rules will be followed for management of construction and demolition waste. We will submit the detailed plan along with December 2020 Compliance report. Mask will be provided to all construction workers for protection from the dust.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
xxxvii.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	This condition will be complied.
xxviii.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the generator sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Adequate stack height as per CPCB standards will be provided for the DG sets. DG sets will be acoustically enclosed for noise control. We will submit the details of DG set and exhaust pipe height after installation of DG sets at the site.
xxxix.	For indoor air quality the ventilation provisions as per National Building Code of India.	This condition will be complied.
xl.	Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.	Regular Monitoring, as per the statutory requirements, of Ambient Noise and Ambient Air Quality will be conducted. AAQ and Ambient Noise Monitoring report is attached as Annexure-XI .
Green Cover		
xli.	No tree cutting/transplantation of existing trees has been proposed in the project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping As proposed 2423.82	This condition will be complied. Landscape Plan attached for your reference as Annexure-XII .

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	sqm area shall be provided for green area development.	
Top Soil preservation and Reuse		
xlii.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Excavated top soil is preserved for use during Landscape development activities. Photograph of the same is attached as Annexure-XIII .
Transport		
xliii.	As proposed, adequate provision will be made for car/vehicle parking at the proposed project site. There shall also be adequate parking provisions for visitors so as not to disturb the traffic and allow smooth movement at the site.	This condition will be complied. Approved parking plan will be submitted in due course of time.
xliv.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. • Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. • Traffic calming measures • Proper design of entry and exit points. • Parking norms as per local regulation	This condition will be complied.
xlvi.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased	A detailed traffic management if conducted within 05 KM radius will be required for submission. Else we will say that this condition will be complied and the same will be submitted in due course of time.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	
xlvi.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	As we are in initial stage of construction. Only JCB is at the site. For your reference we attached PUC certificate of 01 JCB as Annexure-XIV .
Environment management Plan		
xlvii.	An environmental management plan (EMP) as prepared and submitted shall be implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the	Environment Management and Monitoring Plan is submitted for EC. Copy the same is attached as Annexure-XV for your reference. We will start submitting the implementation plans of EMP from the December 2020 Compliance report.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	environment infrastructure.	
Others		
xlvi.	Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	This condition will be complied and detailed will be submitted in due course of time. We will ensure development of all necessary infrastructure and facilities for the workers. Like provision of LPG Cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. We are in stage of identification of place for housing of construction workers. Details would be submitted in due course of time.
xlix.	A First Aid Room shall be provided in the project both during construction and operations of the project.	This condition will be complied.
1.	The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.	This condition will be complied.
li.	As per the Ministry's Office Memorandum F.No. 22-6512017-1A.III dated 1 st May 2018, and proposed by the project proponent, an amount of Rs. 2.4 Crore @1.5% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as drinking water supply, health and education. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent	This condition will be complied.
PART B – GENERAL CONDITIONS		
i.	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control	This condition will be complied.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	Board. The EC letter shall also be displayed at the Regional Office. District industries Centre and Collector's Office/ Tehsildars office for 30 days.	
ii.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	This condition will be complied.
iii.	Officials from the concerned Regional Office of MoEF&CC who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned APCCF, Regional Office of MoEF&CC.	This condition will be complied. A complete set of all the documents we have submitted for Environmental Clearance will be submitted to APCCF, Regional Office of MoEF&CC in due course of time.
iv.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	This condition will be complied.
v.	The Ministry reserves the right to add additional safeguard measures subsequently if found necessary and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	If any additional condition will be imposed on us we will comply with all the conditions.
vi.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc.	We will obtained all the required statutory clearances/NOC.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

S No	Conditions	Compliance
	shall be obtained, as applicable by project proponents from the respective competent authorities.	
vii.	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	Noted the condition.
viii.	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the concerned Regional Office of this Ministry.	Copies of the newspaper advertisement will be provided in due course of time.
ix.	Any appeal against this 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.	Noted the condition.
x.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any,	This condition will be complied.

**Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram
Haryana by M/s. Asthetic Township Developers Pvt. Ltd.**

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	were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	
xi.	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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ NO _x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We will regularly upload the status of compliance of all the stipulated EC conditions. We will also submit Environmental Monitored data and shall update the same periodically. We will regularly submit compliance reports to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB, which is due for submission on 1st June and 1st December. We have monitored all the criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂ NO_x (ambient levels as well as stack emissions). All Monitoring report is attached as Annexure-X.
xii.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by email.	This condition will be complied.

Annexure-I
Environmental Clearance Letter

F.No.21-137/2018-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 7th February, 2019

To,

Shri Vijay Kumar Yadav, Managing Director,
M/s Asthetic Township Developers Pvt. Ltd.,
Apt. no. E - 301, Uniworld City,
Sector 30, Gurgaon - 122002.

Phone: 9811929655

E-mail: atwnship@gmail.com

Subject: Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram Haryana by M/s Asthetic Township Developers Pvt. Ltd. - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/HR/MIS/84906/2018 dated 15th November, 2018 submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project 'Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram Haryana by M/s Asthetic Township Developers Pvt. Ltd.', was considered by the EAC in its 36th meeting held on 26-28 November, 2018. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

- (i) The project is located at Sushant Lok, Sector-27, District Gurugram, Haryana. Latitude: 28°27.996" N and Longitude: 77°4.495" E.
- (ii) This is an Expansion project. The total plot area is 11,537.57 sqm, FSI area is 42,088.21 sqm and total construction (built-up) area of 71,057.12 sqm. Maximum height of the building is 95.95 m.
- (iii) The project was earlier granted Environment Clearance by SEIAA, Haryana vide letter no. SEIAA/HR/2013/1507 dated 24th December, 2013 for plot area 11,537.57 sqm and Built-up area 41,841.21 sqm
- (iv) The total water requirement for the construction of Expansion of Commercial Complex Project is estimated to be approx. 355 KLD. The water supply during Construction phase will be met through HUDA. During the construction phase, soak pits and septic tanks are provided for disposal of waste water. Temporary toilets will be provided for labourers.

- (v) During operational phase, total water demand of the project is estimated to be 337 KLD and the same will be met by 42 KLD fresh water from HUDA and 295 KLD treated water. Wastewater generated (131 KLD) will be treated in STP of total 160 KLD capacity. About 118 KLD of treated wastewater will be generated from which 97 KLD will be used for flushing, 3 KLD for gardening and remaining 18 KLD for DG cooling. Additional 177 KLD treated water will be sourced from HUDA supply for use for DG cooling (12 KLD) and HVAC cooling (165 KLD).
- (vi) About 1226 kg/day solid waste will be generated from the project. The biodegradable waste (490.4 kg/day) will be processed in OWC, Inert wastes (122.6 kg/day) will be sent to land fill and the non-biodegradable waste generated (613 kg/day) will be handed over to vendors.
- (vii) The total power requirement during operation phase is 4004 KW and will be met from Dakshin Haryana Bijli Vitran Nigam (DHBVN).
- (viii) Parking facility for 677 No. of four wheelers are proposed to be provided against the requirement of 672 No. (according to local norms).
- (ix) Proposed energy saving measures: Energy will be saved using energy efficient lighting fixtures, Electronic Ballast, Timer based lighting and APFC Panel.
- (x) It is not located within 10 km of any Eco Sensitive areas.
- (xi) Estimated Cost of the project is Rs. 160.3 Crores.
- (xii) Employment potential: It will generate direct and indirect employment opportunities for both skilled and unskilled labor during construction & operation phase.
- (xiii) Benefits of the project: Direct & Indirect employment opportunities and Infrastructural Development of the Area.

3. The project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However due to absence of SEIAA/SEAC in Haryana, the proposal is appraised at Central Level.

4. Based on the information submitted by the Project Proponent and detailed discussions held on all the issues, the EAC recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project Expansion of Commercial Complex Project at Sushant Lok, Sector-27, Gurugram Haryana by M/s Asthetic Township Developers Pvt. Ltd., under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A - SPECIFIC CONDITIONS:

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (iii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.

Topography and natural Drainage

- (iv) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

Water requirement, Conservation, rain water Harvesting, and Ground Water Recharge

- (v) Fresh water requirement from HUDA supply shall not exceed 42 KLD with prior permission.
- (vi) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (viii) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (ix) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing,

landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.

- (x) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (xi) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (xii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xiii) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed 03 nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (xiv) No ground water shall be used during construction/ operation phase of the project.
- (xv) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

Solid Waste Management

- (xvi) The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- (xvii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xviii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed, 80 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to dumping site.
- (xix) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

- (xx) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.

Sewage Treatment Plant

- (xxi) Sewage shall be treated in the STP based on SBR technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing and horticulture. Excess water shall be discharged to Municipal Sewer with prior permission.
- (xxii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point shall be obtained.
- (xxiii) No sewage or untreated effluent water would be discharged through storm water drains.
- (xxiv) The project proponents would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coliforms and other pathogenic bacteria.
- (xxv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (xxvi) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- (xxvii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

Energy

- (xxviii) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration,

increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

- (xxix) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- (xxx) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.
- (xxxi) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- (xxxii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- (xxxiii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.

Air Quality and Noise

- (xxxiv) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

- (xxxv) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- (xxxvi) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- (xxxvii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xxxviii) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- (xxxix) For indoor air quality the ventilation provisions as per National Building Code of India.
- (xl) Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

Green Cover

- (xli) No tree cutting/transplantation of existing trees has been proposed in the project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 2423.82 sqm area shall be provided for green area development.

Top Soil preservation and Reuse

- (xlii) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

Transport

- (xlili) As proposed, adequate provision will be made for car/vehicle parking at the proposed project site. There shall also be adequate parking provisions for visitors so as not to disturb the traffic and allow smooth movement at the site.
- (xliv) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - Traffic calming measures
 - Proper design of entry and exit points.
 - Parking norms as per local regulation
- (xlv) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xlvi) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

Environment management Plan

- (xlvii) An environmental management plan (EMP) as prepared and submitted shall be implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

Others

- (xlvi) Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (xlix) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (l) The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
- (li) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May 2018, and proposed by the project proponent, an amount of Rs. 2.4 Crore @1.5% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as Education facilities in nearby communities, solar power, rain water harvesting and plantation in community areas. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

PART B - GENERAL CONDITIONS

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the concerned Regional Office of MoEF&CC who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned APCCF, Regional Office of MoEF&CC.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the

environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the concerned Regional Office of this Ministry.
- (ix) Any appeal against this 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) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- (xi) 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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions

and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

5. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary, Directorate of Environment, Government of Haryana, SCO 1-2-3, Sector 17 D (Second Floor), Chandigarh.
- 2) Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office (NZ), Bay No.24-25, Sector 31-A, Dakshin Marg, Chandigarh -160030.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) Member Secretary, Haryana Pollution Control Board, C-11, Sector-6, Panchkula, Haryana 134109
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.


(Kushal Vashist)
Director

Annexure-II

HSPCB/Consent/:

329962320GUNOCTE7324277 dated

03/02/2020



**HARYANA STATE POLLUTION CONTROL
BOARD**

**Gurgaon North Vikas Sadan, 1st Floor, Near DC
Court, Gurgaon Ph.0124-2332775 Email:-
hspcbrogrn@gmail.com**

Website: www.hrocmms.nic.in E-Mail - hspcbho@gmail.com

Telephone No.: 0172-2577870-73



No. HSPCB/Consent/ : 329962320GUNOCTE7324277

Dated:03/02/2020

To.

**M/s : Asthetic Township Developers Pvt Ltd
Commercial Complex at Sector 27 Gurugram
GURGAON
122009**

**Sub. : Grant of consent to Establish to M/s Asthetic Township Developers
Pvt Ltd**

Please refer to your application no. 7324277 received on dated 2020-01-27 in regional office Gurgaon North.

With reference to your above application for consent to establish, M/s Asthetic Township Developers Pvt Ltd is hereby granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	03/02/2020 - 06/02/2026
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	30544.0
Total Land Area (Sq. meter)	11537.57
Total Builtup Area (Sq. meter)	71057.12
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	131.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	Reuse/Recycle
2. Trade	0
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	4
Height of stack	
1. DG Set (1500 KVA)	8 METER
2. DG Set (1500 KVA)	8 METER
3. DG Set (1500 KVA)	8 METER
4. DG Set (1000 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	1.1 KL/day

Regional Officer, Gurgaon North

HARYANA STATE

Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 131 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 131 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 project proponent will obtain all necessary clearances from all concerned departments. 2. Project proponent will not change the quantity of domestic effluent/trade effluent/air emission without prior permission of the Board. Project Proponent will obtain prior CTO before starting of production and apply for CTO/ CTE Extension at least 90 days before expiry date of this CTE. 3. Project Proponent will install STP/ETP/ACPM along with the main project. 4. Project Proponent 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. 5. Project Proponent will comply with the provisions of Water Act, 1974, Air Act, 1981, Solid Waste Management Rules, 2016, Hazardous & Other Waste Management Rules, 2016, Plastic Waste Management Rules, 2016, E-Waste Management Rules, 2016, Battery Managements Rules, C&D Waste Management Rules, 2016& amendments and other applicable environmental legislation. 6. Project Proponent will use only treated effluent supplied from Sewage treatment plant during construction phase of the project 7. That this CTE will not provide any relaxation /benefit from any other Act/Rules/Regulations applicable to the project/land in question. 8. Project Proponent will not discharge any type Treated or untreated effluent outside the premises of the project. 9. Project Proponent will not use in their DG set as a fuel i.e. pet coke, furnace oil and LSHS etc. 10. Stack emission level should be stringent than the existing standards in terms of the identified critical pollutants. 11. Effective fugitive emission control measures should be imposed in the process, transportation, parking etc. 12. Encourage use of cleaner fuels (pet coke / furnace oil /LSHS may be avoided). 13. Best available technology may be used. For example usage of EAF/SAF/IF in place of Cupola Furnace, Usage of Supercritical technology in place of sub – critical technology. 14. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible. 15. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc. 16. Assessment of carrying capacity of transportation load on the roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition. 17. Project Proponent will not discharge any type of effluent inside & outside of the premises of the project and reuse/recycle of treated waste water be ensured. 18. Continuous monitoring of emission and effluent quality / quantity to be installed & will connect the same with server of CPCB and HSPCB. 19. A detailed water harvesting plan may be submitted by the project proponent. 20. Project Proponent will achieve zero discharge and install latest technology of STP/ETP and reuse/recycle of treated effluent. 21. In case, domestic waste water generation is more than 10 KLD, the industry may install STP. 22. Dumping of waste (fly ash, slag, red mud etc.) may be permitted only at designated locations approved by SPCBs/PCCs. 23. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing. 24. Monitoring of compliance of EC conditions may be submitted with third party audit every year. 25. Project Proponent will dispose off their waste/spent oil of DG sets only to authorize recyclers by the HSPCB. 26. The % of the CER may be least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance. 27. Project proponent will comply all the directions of CPCB in this regard and will comply all the orders issued by any court in this regard. 28. Project Proponent will submit an affidavit regarding compliances of above said conditions within 30 days. 29. 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. 30. Unit will deploy anti –smog gun at site to comply with the above said directions & keep proper record of operation of the same and submit action taken report to this office within 03 days positively, failing which action shall be initiated as per applicable Acts/ Rules /Notifications. 31. CTE so granted is on the basis of detail submitted by the unit in online application, CTE granted will be without prejudice to any violation made by unit in past & will be deemed revoked & further action will be taken as per law if any violation is observed at any stage. 32. At any stage, if any violation observed of any above conditions at any time, this CTE stands cancelled /revoked & further action will be taken as per law if any violation is observed at any stage.

*Regional Officer, Gurgaon North
Haryana State Pollution Control Board.*

Annexure-III
Aravali NOC

प्रेषक

उपायुक्त, गुडगांव।

सेवा में

M/s Asthetic Township Developers Pvt. Ltd.

क्रमांक 3373 /एस0के02 दिनांक 17-10-13

विषय: Request for issuing Aravali Notification 1992 & PLPA 1900 from DFO and Tehsildar through Deputy Commissioner of M/s Asthetic Township Developers Pvt. Ltd. project at village Sukhrali, Sector-27, Gurgaon.

यादि

उपरोक्त विषय पर आपके प्रार्थना पत्र के सन्दर्भ में।

विषयाधीन मामले में इस कार्यालय द्वारा तहसीलदार गुडगांव व उप-वन संरक्षक गुडगांव से रिपोर्ट प्राप्त की गई जो निम्न प्रकार है :-

तहसीलदार गुडगांव :- तहसीलदार गुडगांव के कार्यालय के पत्र क्रमांक 2327/ओ0के0 दिनांक 07.10.2013 द्वारा इस कार्यालय में प्राप्त रिपोर्ट अनुसार नीजा सुखराली की अराजी किला नं० 59//6, 15, 8/1/1, 13/2, कित्ता 4 रकबा 14-16-3 सालम के मालिक मै० अस्थैटिक टाउनशिप डवलपर्स प्रा०लि० बरूवे इन्तकाल नं० 1438-1534 से मालिक है व किला नं० 59//7 रकबा 8-0 सालम के सुधीर पुत्र साहिबराम पुत्र शिवधन्व बरूवे इन्तकाल नं० 1437 से मालिक है। बिन्दुवार रिपोर्ट निम्नप्रकार है :-

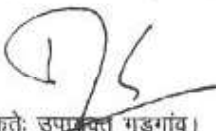
1. उपरोक्त अराजी अरावली क्षेत्र से बाहर है।
2. 07.05.1992 के नोटिफिकेशन से पूर्व अराजी मूमि की किस्म कमी भी गैर मुमकिन पहाड़, गैर मु० राडा, गैर मु० बीहड़, बंजड़ बीहड़ व रून्ध नहीं रही है।
3. गिरदावरी 1992 से पूर्व किस्म चाही है जो ताहाल है।

उप-वन संरक्षक, गुडगांव के कार्यालय के पत्र क्रमांक 2259-20जी दिनांक 03.10.2013 द्वारा इस कार्यालय में प्राप्त रिपोर्ट अनुसार M/s Asthetic Township Developers Pvt. Ltd. vide letter No. Nil dated 14-08-2013 made a request in connection with land measuring 2.851 acres having Killa No 6, 7, 8/1/1, 13/2, 15/1 land located at village Sukhrali, District Gurgaon, Applicant made a proposal to use this land for Commercial Colony Purpose In Continuation of report submitted by RFO, Gurgaon vide letter no. 703-G dated 24-08-2013 it is made clear that:

- A As per record 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 of Punjab Land Preservation Act 1900.
- B It is clarified that by the notification no. S.O.8/P.A2/1900/S.4/2013 dated 4th January 2013 all Revenue Estate of Gurgaon Tehsil is notified u/s 4 of PLPA 1900 and S.O. 81/PA.2/1900/S.3/12 dated 19th December 2012 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 Asthetic Township Developers Pvt. Ltd. whose land is located at village Sukhrali, District Gurgaon must obtain clearance as applicable under Forest Conservation Act 1980.

- D As per records available with the forest Department Gurgaon, the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.
- E All other statutory clearance mandated under the Environment Protection Act, 1986 or any other Act/order shall be obtained as application by the project proponents from the concerned authorities.
- F The project proponents will not violate any judicial order/ Pronouncement issued by the Hon'ble Supreme Court/High Courts.
- G It is clarified that the Hon'ble supreme Court has issued various judgment dated 06.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, etc. pertaining to Aravalli region in Haryana, which should be complied with.
- H It shall be the responsibility of user agency/applicant to get necessary clearances/permissions under various Acts and Rules applicable if any, from the respective authorities/Department..

रिपोर्ट सेवा में प्रेषित है।


कृते: उपायुक्त गुडगांव।

कमांक

/एस0के02 दिनांक

इसकी एक प्रति Director General, Town & Country Planning, Haryana, Chandigarh को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।


कृते: उपायुक्त गुडगांव।

Annexure-V

From: Dy. Conservator of Forests,
Gurgaon, Haryana.

To, **M/s Asthetic Township Developers Pvt. Ltd.**
262, DDA Office Complex,
Jhandewalan Extn., New Delhi-110055

No. 2259-20-9

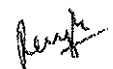
Dated: 3/10/13

Sub.: Clarification regarding Applicability of forest laws on Non Forest land Applied by **M/s Asthetic Township Developers Pvt. Ltd.** land located at Village-Sukhrali, Sector-27, Sushant Lok District-Gurgaon.

Applicant **M/s Asthetic Township Developers Pvt. Ltd., 262, DDA Office Complex, Jhandewalan Extn., New Delhi-110055** vide letter no. Nil. dated 14.08.2013 made a request in connection with land measuring 2.851 Acres having Killa No. 6, 7, 8/1/1, 13/2, 15/1, land located at village Sukhrali, Sector-27, Sushant Lok District Gurgaon. Applicant made a proposal to use this land for **Commercial Colony Purpose**. In continuation of report submitted by RFO, Gurgaon vide Letter No. 703-G dated 24.08.2013 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 of 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 4th January, 2013, whole Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 dated 19th December, 2012 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 use of Forest land for approach road is strictly prohibited. **M/s Asthetic Township Developers Pvt. Ltd.** whose land is located at village, Sukhrali, Sector-27, Sushant Lok 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 Aravalli project.
- e) All the statutory clearances mandated under the Environment Protection Act, 1986, as per the notification of Ministry of Environment and Forests, 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 projec proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.
- g) It is clarified that Hon'ble Supreme Court has issued various judgments dated 07.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, 14.5.2004 etc. pertaining to Aravalli region in Haryana, which should be complied with, Since the proposed site falls within 5 Km. of Delhi boundary. The permission from the Mining Department, Haryana pollution Board, Deptt. of Town & Country Planning Haryana and other appropriate authorities must be obtained who is under obligation to follow the directions in the various Hon'ble Supreme Court Judgments while granting permission.
- h) It shall be the responsibility of user agency/applicant to get necessary clearances/permissions under various Acts and Rules applicable if any, from the respective authorities/Department.

Date:
Place: Gurgaon


Dy. Conservator of Forest,
Gurgaon.

Endst. No.

Dated:

A copy is forwarded to:-

- 1) Conservator of Forests, South Circle, Gurgaon for kind information.
- 2) D.G. T.C.P, Ayojana Bhawan, Sec-18, Madhya, Marg, Chandigarh for kind information
- 3) Dy.Commissioner, Gurgaon w.r.t. his letter no.3538 dated 17.07.2013 for kind information & necessary action.
- 4) Guard File.


Dy. Conservator of Forest,
Gurgaon.

प्रेषक

सेवा में,

उपायुक्त, गुडगांव।

तहसीलदार, गुडगांव

3413
25-7-13

तहसीलदार

गुडगांव

24/7/13

क्रमांक 3537/एम.बी

दिनांक 17-7-13

विषय:-

Request for issuing Aravali notification 1992 & PLPA from DFO and Tehsildar through Deputy Commissioner of M/s Asthetic Township Developers Pvt. Ltd. project at Village Sukhrabi Sec-27, Sushantlok, Gurgaon

उपरोक्त विषय पर अनुरोध है कि संलग्न प्रार्थना पत्र में प्रस्तावित भूमि का Report (not covered under Aravali Notification area) जारी की जानी है। अतः आपको मूल कारजात की प्रति संलग्न करके लिखा जाता है कि आप विस्तारपूर्वक रिपोर्ट/टिप्पणी सहित तैयार करके एक सप्ताह के अन्दर-अन्दर इस कार्यालय में निम्न बिन्दुओं पर भिजवाना सुनिश्चित करें ताकि आगामी कार्यवाही की जा सके।

1. प्रार्थना पत्र में वर्णित खसरा न0 अरावली क्षेत्र में है अथवा नहीं।
2. 1992 के नोटिफिकेशन से पूर्व व उसके पश्चात की गिरदावरी तथा किसम जमीन भी स्पष्ट रिपोर्ट करने का कष्ट करें।
3. वर्णित प्रार्थना पत्र में दर्शाया गए खसरा न0 शामिल/ग्राम पंचायत/नगरपालिका/नगर निगम की भूमि/मलकियत तो नहीं है।
4. आराजी भूमि की ता हाल मलकियत बारे।
5. आराजी भूमि बारे किसी इंतकाल की नजरसानी रिपोर्ट तो नहीं की गई है या इंतकाल मुतनाजा तो नहीं।
6. आराजी भूमि का किसी माननीय न्यायालय में केस तो नहीं चल रहा है।
7. आराजी भूमि पर किसी प्रकार का कोई भार तो है अथवा नहीं।

क्र. 1732 / जी. को. दिनांक 25-7-13.
एक प्रति/मूलरूप में गिरदावर उत्पन्न गुडगांव को
आवश्यक कार्यवाही एवं रिपोर्ट। टिप्पणी हेतु प्रेषित है।

तहसीलदार
गुडगांव

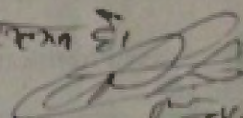
कृते: उपायुक्त, गुडगांव।

क्रमांक 371 R.R. dt 30/13

पहिली उपाय सुचिली विनम्रता

विशेष कर

सीमाजी रीति विनम्रता कायदा


TV 113

श्रीमान जी, रिपोर्ट की जाती है मैजिस्ट्रेट अस्थायीक टाऊन शीप
 डायरेक्ट प्रो. 100 रजि. आर्गुमेंट रज. 194 बसंत शिखर नदी डिल्ली
 नम्बर 10 1438-1534 मन्सूर मुद्रा दुस्तीक / सीमा 8-2-7
 59/16 (7-12) 15/ (5-11-1/2) 8/4 (6-6-4) 13/2 (1-6-3) किता 4
 रकबा 14-16-3 सालक की सालिक व कोविज है व सुन्दर पुत्र
 साहेबराय पुत्र शिवचन्द ई. 1437 मन्सूर मुद्रा दुस्तीक / सीमा 8-2-7
 59/17 (6-6-0) सालक की सालिक व कोविज है मौजा सुन्दराली
 तह. 0 वा जिला मुद्राबा उपरोक्त आराजी की अरावली क्षेत्र रज
 बाहर है उपरोक्त सभरा नम्बरक सामान्य है / ग्राम पंचायत व
 नगरपालिका व नगरनिगम प्रमाणित नहीं है उपरोक्त आराजी
 की पर कोई इतना नजरानी व सुतगजा नहीं है
 उपरोक्त आराजी की अनुसार रिकार्ड माल किसी न्यायालय
 के कोई केश नहीं चल रहा है उपरोक्त आराजी की अनुसार
 रिकार्ड माल के अनुसार कोई कार व लोड - भाउरक नहीं है
 रिपोर्ट अग्रिम कार्यवाही हेतु सेवा के पेश है

7/11/13

प्रमाण 2327 / ok. दिनांक 7-10-13

12/11/13 जिला टाऊन प्रमाणित है अनुसार 12/11/13
 प्रमाणित मौजा सुन्दराली व सीमा 8-2-7 59
 किता प्रमाणित 14-16-3 सालक व सीमा 8-2-7 59
 टाऊन शीप प्रमाणित प्रो. 100 रजि. आर्गुमेंट रज. 194 बसंत शिखर नदी डिल्ली
 नम्बर 10 1438-1534 मन्सूर मुद्रा दुस्तीक / सीमा 8-2-7
 59/16 (7-12) 15/ (5-11-1/2) 8/4 (6-6-4) 13/2 (1-6-3) किता 4
 रकबा 14-16-3 सालक की सालिक व कोविज है व सुन्दर पुत्र
 साहेबराय पुत्र शिवचन्द ई. 1437 मन्सूर मुद्रा दुस्तीक / सीमा 8-2-7
 59/17 (6-6-0) सालक की सालिक व कोविज है मौजा सुन्दराली
 तह. 0 वा जिला मुद्राबा उपरोक्त आराजी की अरावली क्षेत्र रज
 बाहर है उपरोक्त सभरा नम्बरक सामान्य है / ग्राम पंचायत व
 नगरपालिका व नगरनिगम प्रमाणित नहीं है उपरोक्त आराजी
 की पर कोई इतना नजरानी व सुतगजा नहीं है
 उपरोक्त आराजी की अनुसार रिकार्ड माल किसी न्यायालय
 के कोई केश नहीं चल रहा है उपरोक्त आराजी की अनुसार
 रिकार्ड माल के अनुसार कोई कार व लोड - भाउरक नहीं है
 रिपोर्ट अग्रिम कार्यवाही हेतु सेवा के पेश है

बाहर निकले की मनासकत नही रही है
उपरोक्त मन्त्री बाहर कोई इन्तजाम नही करानी की
मनासकत नही है। उपरोक्त मन्त्री बाहर से
किसी नाममात्र से कोई काम बिचारवती नही है।
उपरोक्त मन्त्री मनुष्य मन्त्रालय किन्तु कोई मन्त्र
नही। २६। ३५ २६। ३५ नही है। अतः १२। ३५
नहीं है। उपरोक्त मन्त्रालय (क. मन्त्रालय) मन्त्रालय प्रमुख
है।

लडकीलवार

१२। ३५

Annexure-IV

Renewal of Licence from Directorate of Town & Country Planning, Haryana

Directorate of Town & Country Planning, Haryana

Plot no. 3, Nagar Yojana Bhawan, Sector-18A, Madhya Marg, Chandigarh
Phone: 0172-2549349, e-mail:tcpharyana7@gmail.com
website:-http://tcpharyana.gov.in

Regd. To

Asthetic Township Developers Pvt. Ltd.
APT No. E-602, Uniworld City,
Sector 30, Gurugram.

Memo No. LC-2400-Asstt(RK)/2019/

31572

Dated: 20-12-2019

Subject: Renewal of licence No. 97 of 2011 dated 09.11.2011.

Please refer to your application dated 04.10.2019 on the matter cited as subject above.

2. Licence No. 97 of 2011 dated 09.11.2011 granted for setting up of commercial colony on the land measuring 2.851 acres in Sector 27, Gurugram Manesar Urban Complex is hereby renewed upto 08.11.2024 on the same terms & conditions laid down therein.
3. This renewal will not tantamount to certification of satisfactory performance of the applicant entitling him for further renewal of license.
4. The BG on account of IDW shall be got revalidated well before its expiry.
5. Service plan estimates of the colony shall be submitted for approval in the office of competent authority after approval of revised building plans.
6. That the licensee company shall submit the ultimate power load requirement within current validity period of license.
7. That the amendment in Rule 13 in respect of charging of renewal fees is under consideration, for which the draft notification was notified on 20.08.2019. Therefore, increased renewal fees shall be deposited by you in accordance with the final notification or as decided by the Department.

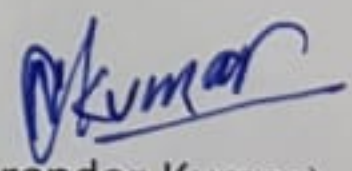

(K. Makrand Pandurang, IAS)
Director,
Town & Country Planning
Haryana, Chandigarh

Endst. No. LC-2400-Asstt(RK)/2019/

Dated:

A copy is forwarded to the following for information and necessary action:-

- i. Chief Administrator, HSVP, Panchkula.
- ii. Senior Town Planner, Gurugram.
- iii. Website Administrator with a request to update the status of renewal of license on the website of the Department.
- iv. District Town Planner, Gurugram.
- v. Chief Account Officer of this Directorate.


(Narender Kumar)
Distt. Town Planner (HQ)
For Director, Town & Country Planning
Haryana, Chandigarh

ORDERS

Whereas, License No. 97 of 2011 dated 09.11.2011 stands granted to Asthetic Township Developers Pvt. Ltd., APT No. E-602, Uniworld City, Sector 30, Gurugram for setting up of commercial colony over an area measuring 2.851 acres in Sector 27, Gurugram Manesar Urban Complex under the provisions of Haryana Development and Regulation of Urban Areas Act, 1975. As per terms and conditions of the licenses and of the agreement executed on LC-IV, the colonizer is required to comply with the provisions of the Haryana Development and Regulation of Urban Areas Act, 1975 and its Rules, 1976.

And, whereas, for delay in compliance of the provisions of Rule 24, 26(2), 27 & 28 of the Haryana Development and Regulation of Urban Areas Rules, 1976 upto 31.03.2019, the licensee has submitted a request for composition of said offence. As per the rates finalized by the Govt. the composition fee has worked out as Rs. 2,24,000/-. The company has deposited composition charges amounting Rs. 2,24,000/- through e-payment TCP3172519112750204 dated 27.11.2019.

Accordingly, in exercise of power conferred under Section-13(1) of the Haryana Development and Regulation of Urban Areas Act, 1975, I hereby order to compound the offence committed due to delay in compliance of above said Rules upto 31.03.2019.

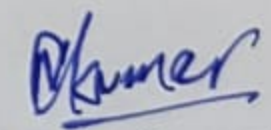

(K. Makrand Pandurang, IAS)
Director,
Town and Country Planning,
Haryana, Chandigarh

Endst. No. LC-2400-Asstt(RK)/2019/ 31579

Dated: 20-12-2019

A copy is forwarded to the following for information and necessary action:-

1. Chief Accounts Officer, O/o Director, Town and Country Planning Haryana Chandigarh.
2. Asthetic Township Developers Pvt. Ltd., APT No. E-602, Uniworld City, Sector 30, Gurugram.


(Narender Kumar)
Distt. Town Planner (HQ)
For Director, Town and Country Planning,
Haryana, Chandigarh

Annexure-V
Intekaal Letter

Annexure-VI

Water Balance

Table 5: Calculations for Daily Water Demand

S. No.	Unit Type	Occupancy	Rate of demand (lpcd)	Total water requirement (KLD)
A	Domestic Water			
1	Ground Floor (Retail Shop)			
	• Staff	131	30	4
	• Visitors	1183	15	18
2	First to Nineteenth Floor (Office)			
	• Staff	3305	30	99
	• Visitors	367	15	6
3.	Sky Lounge (Terrace)			
	• Visitors	794	15	12
TOTAL DOMESTIC WATER DEMAND = 139 KLD				
B	HORTICULTURE (2423.82m ²)		1 l/sqm/day	3 KLD
C	HVAC (1650 TR)	10 hours	@10 Litre/TR	165 KLD
D.	DG Cooling (3 X 1500 KVA + 1 X 1000 KVA)	0.9 lt/kva/hr		30 KLD
GRAND TOTAL (A+B+C) = 337 KLD				

*DG Sets water demand are calculated for 6 Hours operation/day.

Table 6: Waste Water Calculations

Domestic Water Requirement	139 KLD
• Fresh water (@30% of domestic water)	42 KLD
• Flushing water (@ 70% of domestic water)	97 KLD
Waste Water Generated (@ 80% fresh water + 100% flushing water)	34 +97 = 131 KLD
STP Capacity	160 KL

The water balance diagrams for different seasons are shown below:

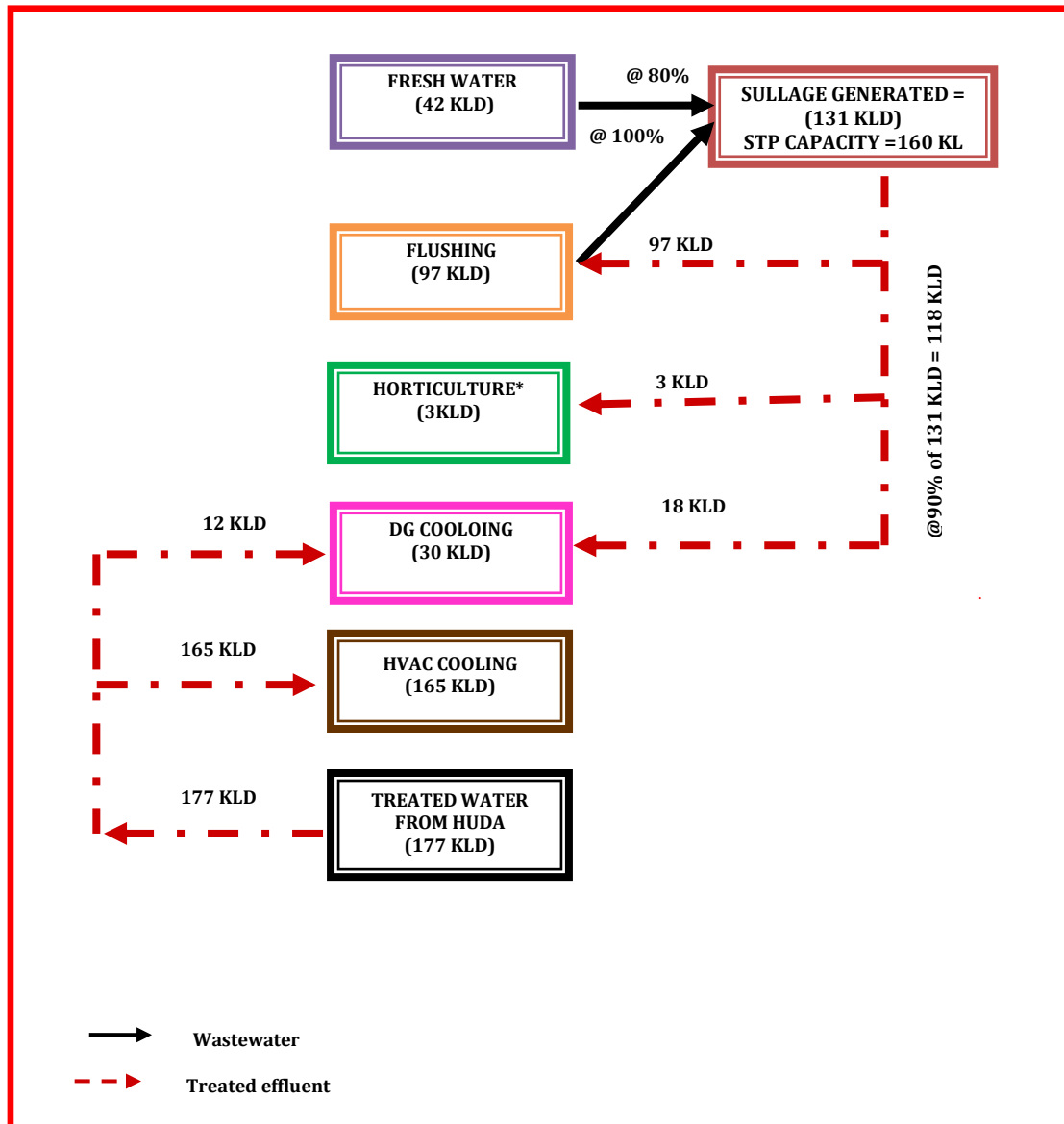


Figure 1: Water Balance Diagram (Non-Rainy Season)

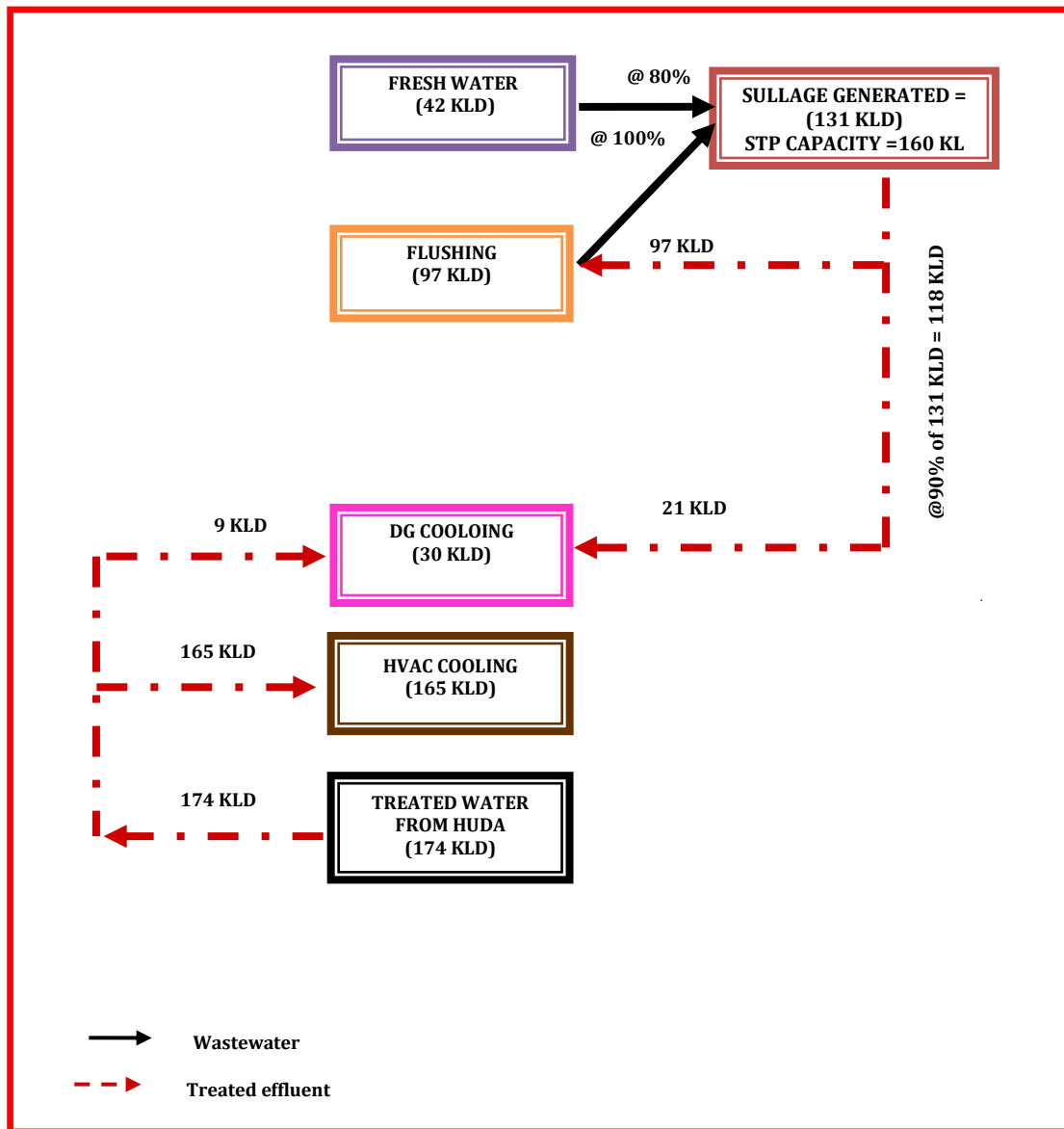


Figure 2: Water Balance Diagram (Rainy Season)

Wastewater Generation & Treatment

It is expected that the project will generate approx. 131KLD of wastewater. The wastewater will be treated in onsite STP of 160 KL capacity. The treated effluent 118 KLD will be reused for flushing, horticulture, DG Cooling & HVAC.

2.2 What is the quality of water required, in case, the supply is not from a municipal source? (Provide physical, chemical, Biological characteristics with class of water quality).

The required water will be met through the HUDA. The total water requirement is approx. 337 KLD.

SBR TECHNOLOGY

Sewerage System

An external sewage network shall collect the sewage from all units, and flow by gravity to the proposed sewage treatment plant.

Following are the benefits of providing the Sewage Treatment Plant in the present circumstances:

- Reduced net daily water requirements, source for Horticultural purposes by utilization of the treated waste water.
- Reduced dependence on the public utilities for water supply and sewerage systems.
- Sludge generated from the Sewage Treatment Plant shall be rich in organic content and an excellent fertilizer for horticultural purposes.

a. Wastewater Details

(a)	Daily load	:	131 KLD
(b)	Duration of flow to STP	:	24 hours
(c)	Temperature	:	Maximum 46°C
(d)	pH	:	6.5 to 8.5
(e)	Colour	:	Mild
(f)	T.S.S. (mg/l)	:	300-400
(g)	BOD ₅ (mg/l)	:	250-350
(h)	COD (mg/l)	:	400-600
(i)	Oil & Grease	:	10-50
(j)	Color	:	Mild

b. Final discharge characteristics

(a)	pH	:	6.5 to 7.5
(b)	Oil & Grease	:	<10 mg/l

(c)	B.O.D.	:	<20 mg/l
(d)	C.O.D.	:	<50 mg/l
(e)	Total Suspended Solids	:	<10 mg/l
(h)	Color	:	Clear

c. Treatment Technology

Sequence Batch Reactor is a most prominent technique for removing organic carbon and nutrient in a relatively short period. The fill and draw scheme constitute the basic principle of the SBR system. Raw sewage will be collected under gravity into the equalization tank after allowing to pass through the bar screen. The bar screen, by removing coarse solids from the sewage help in protecting the raw sewage pump. The raw sewage equalization tank, through temporarily holding the incoming sewage facilitates both pumping of sewage through the STP and dampening the flow variation in the received sewage. The sewage collected in equalization tank is pumped and passed through the SBR tank. Air will be introduced in this tank to prevent any potential foul smell problem & to provide the mixing of wastewater to avoid the sedimentation of solids in this tank.

The SBR is basically a single tank that serves both biological reactor and settler in a temporal sequence, whereas aeration and settling are simultaneous but in a spatial sequence.

From the reactors, The suspended solids will settle at the bottom of the tank & clear supernatant will overflow to Collection cum storage tank collected sludge at bottom shall be transferred through pumps to sludge holding tank. The clear supernatant after clarifier will be collected in to filter feed tank. This tank will act as housing tank for filter feed pumps. The clarified & dis-infected water will be then fed to filtration unit.

Filtration unit consisting of Dual Media sand filter and activated carbon filter will remove the residual impurities such as odor/color, suspended solids, BOD/COD. The treated water after the filtration unit will be collected in Irrigation cum Flushing water storage tank from where it is transferred to flushing water tank at terrace & Irrigation System.

Excess sludge from the bottom of the settling tank will be removed and transferred to sludge holding tank. Air grid shall be provided in this tank to avoid conversion into anaerobic

conditions, thickening of sludge and keep sludge in homogenous condition. The digested & thickened sludge shall be further thickened through Sludge Dewatering System and disposed off periodically through closed tanker or can be reused as manure.

Stages of Treatment: The treatment process consists of the following stages:

- Equalization
- Bio- Degradation
- Clarification & Settling
- Filtration

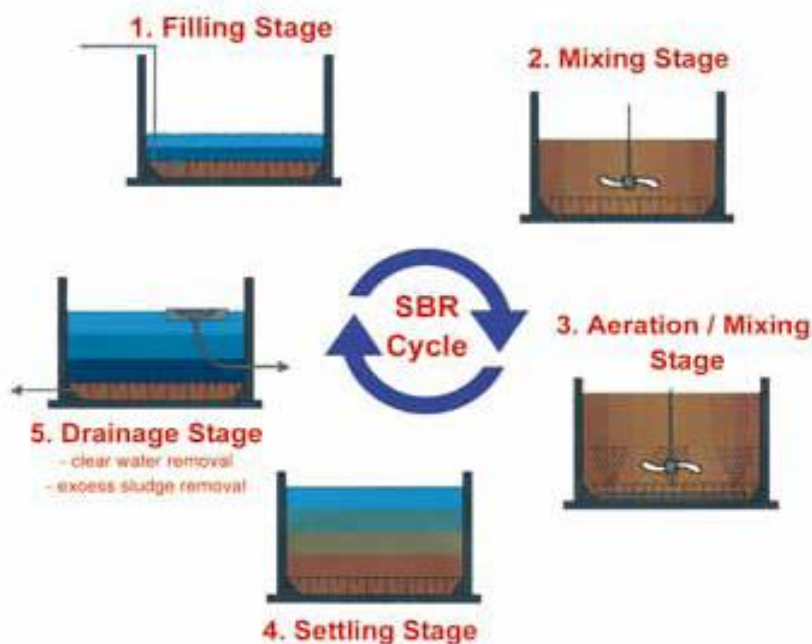


Figure 3: Flow Diagram of SBR

Sewer System

The alignment and slope of the sewer line will follow the road network, drains or natural ground surface and will be connected to the trunk sewers. The discharge point will be a treatment plant, a pumping station, a water course or an intercepting sewer. Pumping stations would be provided at places where the natural slope of the terrain is insufficient to permit gravity flow or the cost of excavation is uneconomical to do the same.

2.3 How much of water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)

It is expected that the project will generate approx. 131 KLD of wastewater. The wastewater will be treated in onsite STP of 160 KL capacity. The treated effluent 118 KLD will be reused for flushing, horticulture, DG Cooling & HVAC.

2.4 Will there be diversion of water from other users? (Please assess the impacts of the project on other existing uses and quantities of consumption).

No. There will not be any diversion of water from other users. Rise in water demand is a local phenomenon but the project would only involve spatial shifting of water demand within a region.

2.5 What is the incremental pollution load from wastewater generated from the proposed activity? (Give details of the quantities and composition of wastewater generated from the proposed activity)

131 KLD of sullage generated which will be treated through onsite STP of 160 KL capacity.

2.6 Give details of the water requirements met from water harvesting? Furnish details of the facilities created.

The storm water collection system for the premises shall be self-sufficient to avoid any collection/stagnation and flooding of water. The amount of storm water run-off depends upon many factors such as intensity and duration of precipitation, characteristics of the tributary area and the time required for such flow to reach the drains. The drains shall be located near the carriage way along either side of the roads. Taking the advantage of road camber, the rainfall run off from roads shall flow towards the drains. Storm water from various plots/shall be connected to adjacent drain by a pipe through catch basins. Therefore, it has been calculated to provide 3 rainwater harvesting pits at selected locations, which will catch the maximum run-off from the site.

- 1) Since the existing topography is congenial to surface disposal, a network of storm water pipe drains is planned adjacent to roads. All building roof water will be brought down through rain water pipes.

Annexure-VII

RWH Details

2.3 How much of water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)

It is expected that the project will generate approx. 131 KLD of wastewater. The wastewater will be treated in onsite STP of 160 KL capacity. The treated effluent 118 KLD will be reused for flushing, horticulture, DG Cooling & HVAC.

2.4 Will there be diversion of water from other users? (Please assess the impacts of the project on other existing uses and quantities of consumption).

No. There will not be any diversion of water from other users. Rise in water demand is a local phenomenon but the project would only involve spatial shifting of water demand within a region.

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- 1) Since the existing topography is congenial to surface disposal, a network of storm water pipe drains is planned adjacent to roads. All building roof water will be brought down through rain water pipes.

- 2) Proposed storm water system consists of pipe drain, catch basins and seepage pits at regular intervals for rain water harvesting and ground water recharging.
- 3) For basement parking, the rainwater from ramps will be collected in the basement storm water storage tank. This water will be pumped out to the nearest external storm water drain.
- 4) The peak hourly rainfall of 45 mm/hr shall be considered for designing the storm water drainage system.

Rain water harvesting has been catered to and designed as per the guideline of CGWA. Peak hourly rainfall has been considered as 45 mm/hr. The recharge pit of 4 m diameter and 3 m depth is constructed for recharging the water. Inside the recharge pit, a recharge bore is constructed having adequate diameter and depth. The bottom of the recharge structure will be kept 5m above this level. At the bottom of the recharge well, a filter media is provided to avoid choking of the recharge bore. Design specifications of the rain water harvesting plan are as follows:

- Catchments/roofs would be accessible for regular cleaning.
- The roof will have smooth, hard and dense surface which is less likely to be damaged allowing release of material into the water. Roof painting has been avoided since most paints contain toxic substances and may peel off.
- All gutter ends will be fitted with a wire mesh screen and a first flush device would be installed. Most of the debris carried by the water from the rooftop like leaves, plastic bags and paper pieces will get arrested by the mesh at the terrace outlet and to prevent contamination by ensuring that the runoff from the first 20 minutes of rainfall is flushed off.
- No sewage or wastewater would be admitted into the system.
- No wastewater from areas likely to have oil, grease, or other pollutants has been connected to the system.

Table 7: Comparative Details of Rain water Harvesting

S. No.	Particulars	EC accorded	Expansion	Total (EC accorded + Expansion)
1.	Rain water Harvesting Pits	3	---	3

Calculations for storm water load :

$$\text{Net Plot Area} = 11,537.57\text{m}^2$$

$$\text{Roof-top area} = \text{Ground Coverage} = 4,524.140 \text{ m}^2$$

$$\text{Green Area} = 2,423.82 \text{ m}^2$$

$$\begin{aligned}\text{Paved area} &= \text{Net Plot Area} - (\text{Roof-top Area} + \text{Green Area}) \\ &= 11537.57 - (4524.140 + 2423.82) \\ &= 4589.61 \text{ m}^2\end{aligned}$$

Run-off Load.

$$\begin{aligned}\text{Roof-top Area} &= 4524.140 \times 0.045 \times 0.9 \\ &= 183.227\text{m}^3/\text{hr}.\end{aligned}$$

$$\begin{aligned}\text{Green Area} &= 2423.82 \times 0.045 \times 0.2 \\ &= 21.81\text{m}^3/\text{hr}.\end{aligned}$$

$$\begin{aligned}\text{Paved Area} &= 4,589.61 \times 0.045 \times 0.7 \\ &= 144.57 \text{ m}^3/\text{hr}.\end{aligned}$$

$$\begin{aligned}\text{Total Runoff Load} &= 183.227 + 21.81 + 144.57 \text{ m}^3/\text{hr} \\ &= 349.607 \text{ m}^3/\text{hr}.\end{aligned}$$

$$\text{Taking 20 minutes retention time, volume of storm water} = 349.607 / 3 = 116.53 \text{ m}^3$$

$$\text{Capacity of Recharge pit} = \pi r^2 h = 3.14 \times 2 \times 2 \times 3 = 37.68 \text{ m}^3$$

$$\text{Hence No. of pits required} = 116.53 / 37.68 = \mathbf{3 \text{ pits}}$$

Total of 3 Rain Water Harvesting pits are proposed for artificial ground water recharge.

2.7 What would be the impact of the land use changes occurring due to the project on the runoff characteristics (quantitative as well as qualitative) of the area in the post construction phase on a long term basis? Would it aggravate the problems of flooding or water logging in any way?

Annexure-VIII

**Waste management plan during
Construction & Operation Phase**

- Provision of slit traps in storm water drains
- Good housekeeping in the above areas

10.2.4 EMP FOR LAND ENVIRONMENT

Construction Phase

The waste generated from construction activity includes construction debris, biomass from land clearing activities, waste from the temporary make shift tents for the labors and hazardous waste. Following section discuss the management of each type of waste. Besides waste generation, management of the topsoil is an important area for which management measures are required.

Construction Debris

Construction debris is bulky and heavy and re-utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity. This is particularly applicable to the project site as the construction is to be completed in a phased manner.

Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be send to designated solid waste landfill site.

Metal scrap from structural steel, piping, concrete reinforcement and sheet metal work shall be removed from the site by construction contractors. A significant portion of wood scrap will be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

Hazardous waste

Construction sites are sources of many toxic substances such as paints, solvents wood preservatives, pesticides, adhesives and sealants. Hazardous waste generated during

construction phase shall be stored in sealed containers and disposed off as per The Hazardous Wastes (Management, Handling & Trans boundary Movement) Rules, 2016.

Some management practices to be developed are:

- Herbicides and pesticide will not be over applied (small-scale applications) and not applied prior to rain.
- Paintbrushes and equipment for water and oil based paints shall be cleaned within a contained area and will not be allowed to contaminate site soils, water courses or drainage systems.
- Provision of adequate hazardous waste storage facilities. Hazardous waste collection containers will be located as per safety norms and designated hazardous waste storage areas will be away from storm drains or watercourses.
- Segregation of potentially hazardous waste from non-hazardous construction site debris.
- Well labeled all hazardous waste containers with the waste being stored and the date of generation.
- Instruct employees and subcontractors in identification of hazardous and solid waste.

Even with careful management, some of these substances are released into air, soil and water and many are hazardous to workers. With these reasons, the best choice is to avoid their use as much as possible by using low-toxicity substitutes and low VOC (Volatile Organic Compound) materials.

Waste from Temporary Makes Shift Tents for Labors

Wastes generated from temporary make shift labor tents which will be managed by the contractor of the site. The wastewater generated will be channelized to the septic tank.

Top Soil Management

To minimize disruption of soil and for conservation of top soil, the contractor shall keep the top soil cover separately and stockpile it. After the construction activity is over, top soil will be utilized for landscaping activity. Other measures, which would be followed to prevent soil erosion and contamination include:

- Maximize use of organic fertilizer for landscaping and green belt development
- To prevent soil contamination by oil/grease, leak proof containers would be used for storage and transportation of oil/grease and wash off from the oil/grease handling area shall be drained through impervious drains and treated appropriately before disposal
- Removal of as little vegetation as possible during the development and re-vegetation of bare areas after the project.
- Working in a small area at a point of time (phase wise construction)
- Construction of erosion prevention troughs/berms.

Operational Phase

The philosophy of solid waste management at the proposed complex will be to encouraging the four R's of waste i.e. **Reduction, Reuse, Recycling and Recovery** (materials & energy). Regular public awareness meetings will be conducted to involve the public in the proper segregation and storage techniques. The Environmental Management Plan for the solid waste focuses on three major components during the life cycle of the waste management system i.e., collection and transportation, treatment or disposal and closure and post-closure care of treatment/disposal facility.

Collection and Transportation

- During the collection stage, the solid waste of the project will be segregated into biodegradable waste and non-biodegradable. Biodegradable waste and non biodegradable waste will be collected in

separate bins. Biodegradable waste will be treated in the project premises by Organic waste convertor. The recyclable wastes will be sent off to recyclers. Proper guidelines for segregation, collection and storage will be prepared as per MSW Rules, 2016.

- To minimize littering and odour, waste will be stored in well-designed containers/ bins that will be located at strategic locations to minimize disturbance in traffic flow
- Care would be taken such that the collection vehicles are well maintained and generate minimum noise and emissions. During transportation of the waste, it will be covered to avoid littering.

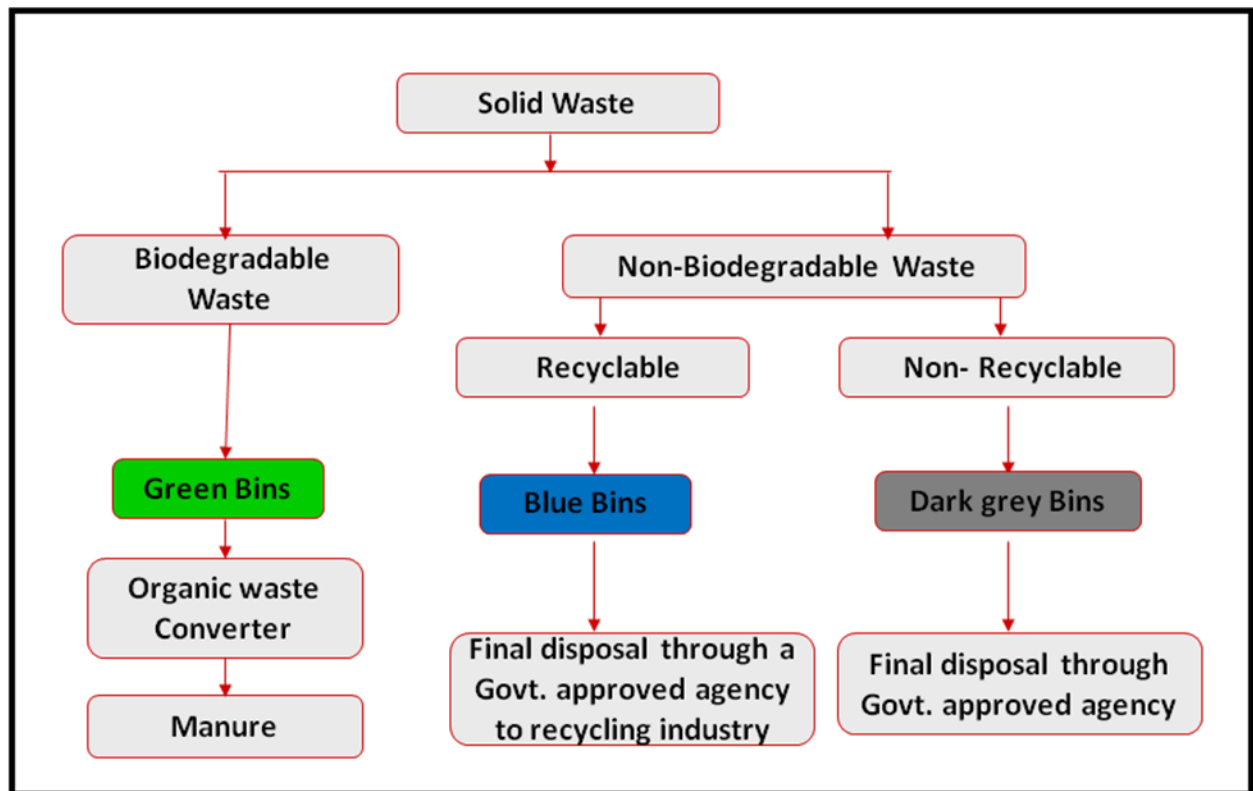


Figure 6: Waste Management Flow Diagram

Organic Waste Converter

A waste converter is a machine used for the treatment and recycling of solid and liquid refuse material. A converter is a self-contained system capable of performing the following functions: pasteurization of organic waste; sterilization of pathogenic or biohazard waste; grinding and pulverization of refuse into unrecognizable output; trash compaction; dehydration.

Benefits of organic waste converter:

1. Large quantity of solid waste is converted to manure in a very short period
2. Manure can be used as compost for gardening
3. Machine requires less space and the efficiency is high
4. Manpower and maintenance is very less
5. This is one of the latest techniques of managing biodegradable solid waste.

Operation cost of OWC:

Organic Waste Converter - 300 (Dim. 3m × 4m) is proposed to be used for composting waste 120kg/batch or 3000 kg/day & it requires electricity of about 13.5 HP.

No. of batches /day = $3000/120 = 25$ batches/day.

No. of batches to convert 490 kg/day = $490/120 = 4.08$ say 4 batches.

Operation Cost-monthly per capita:

The operating cost of OWC - 300 = 1, 80,000 INR/month

Cost/day = $1, 80,000/30$
= 6000/-

1 batch/day cost = $6000/25$
= 240 INR

Cost for 4 batch/day = $4 \times 240/-$
= 960/-

Monthly operating cost = 30×960
= Rs. 28,800/- per month

Disposal

With regards to the disposal/treatment of waste, the management will take the services of the authorized agency for waste management and disposal of the same on the project site during its operational phase.

10.2.5 EMP FOR ECOLOGICAL ENVIRONMENT

Construction activity changes the natural environment. The project requires the implementation of following choices exclusively or in combination.

Construction Stage

- Restriction of construction activities to defined project areas, which are ecologically sensitive
- Restrictions on location of temporary labor tents and offices for project staff near the project area to avoid human induced secondary additional impacts on the flora and fauna species
- Cutting, uprooting, coppicing of trees or small trees if present in and around the project site for cooking, burning or heating purposes by the labors will be prohibited and suitable alternatives for this purpose will be made
- Along with the construction work, the peripheral green belt would be developed with suggested native plant species, as they will grow to a full-fledged covered at the time of completion.

Operation Stage

Improvement of the current ecology of the project site will entail the following measures:

- Plantation and Landscaping
- Green Belt Development
- Park and Avenue Plantation

Annexure-IX

**Photographs of construction of Wind
Breaking wall of 10 mtrs. height for
dust control**

WIND BREAKING WALL



Front - Inside Barricading



Front side Barricading



Inside - Rear Road Barricading

Annexure-X

Environment Monitoring Reports i.e.
AAQ, Noise, Water & soil and its
interpretation

TEST REPORT

Issued to

M/s Asthetic Township Developers Pvt. Ltd.
Apt. No. E-301, Unworld City, Sec-30
Gurgaon- 122002

Doc No. ELPL/IV/QF/20

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

Lab Reference No.

: 200520001 W

Issue Date

: 26/05/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Ground Water	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/20

Page 1 of 2

S.No.	Test Parameters	Units	Results	IS 10500 : 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
1	Color	Hazen	<5.0	5	15	IS 3025 (Pt-04)
2	Odour	-	Unobjectionable	Agreeable	Agreeable	IS 3025 (Pt-05)
3	pH	-	7.58	6.5-8.5	No relaxation	IS 3025 (Pt-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-08)
5	Turbidity	NTU	<1.0	1	5	IS 3025 (Pt-10)
6	Total Dissolved Solids	mg/l	478	500	2000	IS 3025 (Pt-16)
7	Ammonia (as total ammonia-N)	mg/l	<0.5	0.5	No relaxation	IS 3025 (Pt-34)
8	Anionic Detergents (as MBAS)	mg/l	<0.1	0.2	1.0	Annex K of IS 13428
9	Calcium as Ca	mg/l	77	75	200	IS 3025 (Pt-40)
10	Chloramines (as Cl ₂)	mg/l	<1.0	4.0	No relaxation	IS 3025 (Pt-26)
11	Chloride as Cl	mg/l	45	250	1000	IS 3025 (Pt-32)
12	Fluoride as F	mg/l	0.22	1.0	1.5	APHA 22 ND Ed 4500F
13	Free Residual Chlorine	mg/l	<0.005	0.2*	1*	IS 3025 (Pt-26)
14	Nitrate as NO ₃	mg/l	0.8	45	No relaxation	IS 3025 (Pt-34)
15	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	<0.001	0.001	0.002	IS 3025 (Pt-43)
16	Sulphate as SO ₄	mg/l	52	200	400	IS 3025 (Pt-24)
17	Sulphide (as H ₂ S)	mg/l	<0.05	0.05	No relaxation	IS 3025 (Pt-29)
18	Total Alkalinity as CaCO ₃	mg/l	212	200	600	IS 3025 (Pt-23)
19	Total Hardness as CaCO ₃	mg/l	284	200	600	IS 3025 (Pt-21)
20	Cyanide (as CN)	mg/l	<0.02	0.05	No relaxation	IS 3025 (Pt-27)
21	Aluminum (as Al)	mg/l	<0.01	0.03	0.2	APHA 23 rd Ed.3120B
22	Barium (as Ba)	mg/l	<0.1	0.7	No relaxation	APHA 23 rd Ed.3120B
23	Boron (as B)	mg/l	<0.2	0.5	1.0	APHA 23 rd Ed.3120B
24	Copper (as Cu)	mg/l	<0.02	0.05	1.5	APHA 23 rd Ed.3120B
25	Iron as Fe	mg/l	0.16	1.0	No relaxation	IS 3025 (Pt-53)
26	Magnesium as Mg	mg/l	22.4	30	100	APHA 23 rd Ed.3500 mg

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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

Laboratory: D-79, Ground Floor, Sector-6, Noida-201301, U.P. (India)

Registered office: Unit No-334, Third Floor, Plot No-1, LSC, Vardhman Sunrise Plaza, Vasundhara Enclave, Delhi-110096

Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT

Issued to

M/s Asthetic Township Developers Pvt. Ltd.
Apt. No. E-301, Unworld City, Sec-30
Gurgaon- 122002

Doc No. ELPL/IV/QF/20

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

Lab Reference No.

: 200520001 W

Issue Date

: 26/05/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Ground Water	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/20

Page 2 of 2

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

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

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

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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Doc No. ELPL/IV/QF/20

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

Lab Reference No.

: 200520002 S

Issue Date

: 26/05/2020

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: Soil sample was collected from at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Soil	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 1 Kg approx.	Tests Required	: Mentioned below
Sample's Location	: Near Project Site	Sampling Method	: Grab Method

S.No.	Test Parameters	Unit	Result	Test Method
1	pH (1:5)	-	7.87	IS 2720(P-26)
2	Conductivity (1:5)	µmhos/cm	366	USDA Method
3	Color	-	Brown	USDA Method
4.	Texture		Clay Loam	
	Silt	%	26	
	Clay	%	40	USDA Method
	Sand	%	34	
5	Sodium Absorption Ratio	-	0.27	USDA Method
6	Cation Exchange Capacity	Meq/100gm	41.9	IS 2720(P-24)
7	Porosity	%	31	USDA Method
8	Water Holding Capacity	%	36	USDA Method
9	Bulk Density	gm/cc	1.43	USDA Method
10	Chloride as Cl	mg/kg	812	USDA Method
11	Calcium as Ca	mg/kg	4645	USDA Method
12	Sodium as Na	mg/kg	90	USDA Method
13	Potassium as K	mg/kg	70	USDA Method
14	Magnesium as Mg	mg/kg	2173	USDA Method
15	Organic matter	%	0.18	IS 2720(P-22)
16	Available Nitrogen	mg/kg	264	USDA Method
17	Phosphorous	mg/kg	152	USDA Method

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

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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Lab Reference No.

Issue Date

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

: 200520003 A

: 26/05/2020

: Email

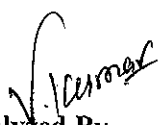
(Page1of 1)

Sample Particulars: Ambient Air Monitoring was done at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana, from 19/05/2020 to 20/05/2020.

Type of sample	: Ambient Air	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020-20/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/21

S.No.	Test Parameters	Units	Results	NAAQS	Test Method
1	Particulate Matter as PM ₁₀	µg/m ³	186	100 (24 Hourly)	IS 5182 (Pt-23)
2	Particulate Matter as PM _{2.5}	µg/m ³	143	060 (24 Hourly)	ELPL/III/SOP/23
3	Sulphur Dioxide as SO ₂	µg/m ³	9.8	080 (24 Hourly)	IS 5182 (Pt-02)
4	Oxides of Nitrogen as NO _x	µg/m ³	19.8	080 (24 Hourly)	IS 5182 (Pt-06)
5	Carbon Monoxide as CO	mg/m ³	0.13	002 (08 Hourly)	IS 5182 (Pt-10)

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


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Lab Reference No.

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

: 200520004 N

: 26/05/2020

: Email

(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was done at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana, from 19/05/2020 to 20/05/2020.

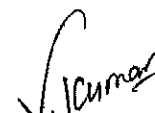
Type of sample	: Ambient Noise	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020-20/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 21/05/2020
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

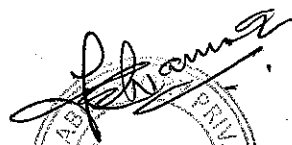
Time	Leq	Method
Day Time(06:00 am to 10:00 pm)	63.3	ELPL/III/SOP/37
Night Time(10:00 pm to 06:00 am) -	52.1	ELPL/III/SOP/37

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

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

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


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(Vikash Kumar)


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(Purushottam Sharma)

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

Lab Reference No.

: 200520001 W

Issue Date

: 26/05/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Ground Water	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/20

Page 1 of 2

S.No.	Test Parameters	Units	Results	IS 10500 : 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
1	Color	Hazen	<5.0	5	15	IS 3025 (Pt-04)
2	Odour	-	Unobjectionable	Agreeable	Agreeable	IS 3025 (Pt-05)
3	pH	-	7.58	6.5-8.5	No relaxation	IS 3025 (Pt-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-08)
5	Turbidity	NTU	<1.0	1	5	IS 3025 (Pt-10)
6	Total Dissolved Solids	mg/l	478	500	2000	IS 3025 (Pt-16)
7	Ammonia (as total ammonia-N)	mg/l	<0.5	0.5	No relaxation	IS 3025 (Pt-34)
8	Anionic Detergents (as MBAS)	mg/l	<0.1	0.2	1.0	Annex K of IS 13428
9	Calcium as Ca	mg/l	77	75	200	IS 3025 (Pt-40)
10	Chloramines (as Cl ₂)	mg/l	<1.0	4.0	No relaxation	IS 3025 (Pt-26)
11	Chloride as Cl	mg/l	45	250	1000	IS 3025 (Pt-32)
12	Fluoride as F	mg/l	0.22	1.0	1.5	APHA 22 ND Ed 4500F
13	Free Residual Chlorine	mg/l	<0.005	0.2*	1*	IS 3025 (Pt-26)
14	Nitrate as NO ₃	mg/l	0.8	45	No relaxation	IS 3025 (Pt-34)
15	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	<0.001	0.001	0.002	IS 3025 (Pt-43)
16	Sulphate as SO ₄	mg/l	52	200	400	IS 3025 (Pt-24)
17	Sulphide (as H ₂ S)	mg/l	<0.05	0.05	No relaxation	IS 3025 (Pt-29)
18	Total Alkalinity as CaCO ₃	mg/l	212	200	600	IS 3025 (Pt-23)
19	Total Hardness as CaCO ₃	mg/l	284	200	600	IS 3025 (Pt-21)
20	Cyanide (as CN)	mg/l	<0.02	0.05	No relaxation	IS 3025 (Pt-27)
21	Aluminum (as Al)	mg/l	<0.01	0.03	0.2	APHA 23 rd Ed.3120B
22	Barium (as Ba)	mg/l	<0.1	0.7	No relaxation	APHA 23 rd Ed.3120B
23	Boron (as B)	mg/l	<0.2	0.5	1.0	APHA 23 rd Ed.3120B
24	Copper (as Cu)	mg/l	<0.02	0.05	1.5	APHA 23 rd Ed.3120B
25	Iron as Fe	mg/l	0.16	1.0	No relaxation	IS 3025 (Pt-53)
26	Magnesium as Mg	mg/l	22.4	30	100	APHA 23 rd Ed.3500 mg

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Doc No. ELPL/IV/QF/20

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

Lab Reference No.

: 200520001 W

Issue Date

: 26/05/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Ground Water	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 5 Ltr approx.	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/20

Page 2 of 2

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

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

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

Analyzed By
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Doc No. ELPL/IV/QF/20

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

Lab Reference No.

: 200520002 S

Issue Date

: 26/05/2020

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: Soil sample was collected from at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana on 19/05/2020.

Type of sample	: Soil	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 1 Kg approx.	Tests Required	: Mentioned below
Sample's Location	: Near Project Site	Sampling Method	: Grab Method

S.No.	Test Parameters	Unit	Result	Test Method
1	pH (1:5)	-	7.87	IS 2720(P-26)
2	Conductivity (1:5)	µmhos/cm	366	USDA Method
3	Color	-	Brown	USDA Method
4.	Texture		Clay Loam	
	Silt	%	26	
	Clay	%	40	USDA Method
	Sand	%	34	
5	Sodium Absorption Ratio	-	0.27	USDA Method
6	Cation Exchange Capacity	Meq/100gm	41.9	IS 2720(P-24)
7	Porosity	%	31	USDA Method
8	Water Holding Capacity	%	36	USDA Method
9	Bulk Density	gm/cc	1.43	USDA Method
10	Chloride as Cl	mg/kg	812	USDA Method
11	Calcium as Ca	mg/kg	4645	USDA Method
12	Sodium as Na	mg/kg	90	USDA Method
13	Potassium as K	mg/kg	70	USDA Method
14	Magnesium as Mg	mg/kg	2173	USDA Method
15	Organic matter	%	0.18	IS 2720(P-22)
16	Available Nitrogen	mg/kg	264	USDA Method
17	Phosphorous	mg/kg	152	USDA Method

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

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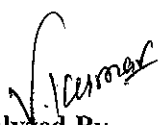
(Page1of 1)

Sample Particulars: Ambient Air Monitoring was done at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana, from 19/05/2020 to 20/05/2020.

Type of sample	: Ambient Air	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020-20/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 26/05/2020
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/21

S.No.	Test Parameters	Units	Results	NAAQS	Test Method
1	Particulate Matter as PM ₁₀	µg/m ³	186	100 (24 Hourly)	IS 5182 (Pt-23)
2	Particulate Matter as PM _{2.5}	µg/m ³	143	060 (24 Hourly)	ELPL/III/SOP/23
3	Sulphur Dioxide as SO ₂	µg/m ³	9.8	080 (24 Hourly)	IS 5182 (Pt-02)
4	Oxides of Nitrogen as NO _x	µg/m ³	19.8	080 (24 Hourly)	IS 5182 (Pt-06)
5	Carbon Monoxide as CO	mg/m ³	0.13	002 (08 Hourly)	IS 5182 (Pt-10)

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


Analyzed By
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: 200520004 N

: 26/05/2020

: Email

(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was done at Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana, from 19/05/2020 to 20/05/2020.

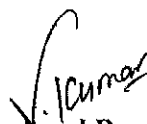
Type of sample	: Ambient Noise	Sample Registration Date	: 20/05/2020
Sampling Date	: 19/05/2020-20/05/2020	Analysis Starting Date	: 20/05/2020
Sampling Done by	: Lab representative	Analysis Completion Date	: 21/05/2020
Quantity received	: 24 Hourly Sample	Tests Required	: Mentioned below
Sample's Location	: Project Site	Sampling Method	: ELPL/III/SOP/37

Time	Leq	Method
Day Time(06:00 am to 10:00 pm)	63.3	ELPL/III/SOP/37
Night Time(10:00 pm to 06:00 am) -	52.1	ELPL/III/SOP/37

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

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

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


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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

Environmental Monitoring Report

1. Ambient Air Quality Monitoring

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

Table 1: Schedule of Ambient Air Quality Monitoring

Day of sampling	Duration of sampling (hours)	Date		Sample collected on	Location
		From	To		
Day 1	24	19/05/2020	20/05/2020	20/05/2020	Project site.

Sulphur Dioxide (SO₂)

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

Table- 1(a): Monitoring results for SO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS	Time Weighted Average
				Concentration in Ambient Air(µg/m ³)	
				Industrial, Residential, Rural and other Areas	
Sulphur Dioxide(SO ₂)	Project site.	Day 1	9.8	80	24 hours

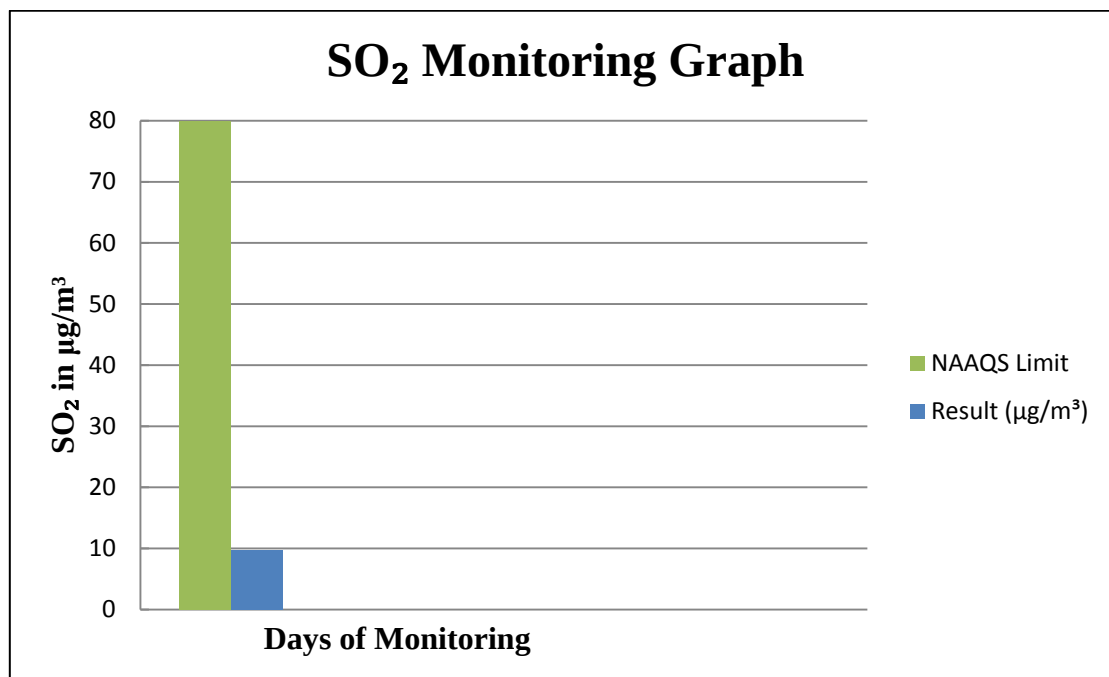


Figure-1(a): SO₂ concentrations at Project site.

The concentration of SO₂ was observed below permissible Limit as per NAAQS.

Nitrogen Dioxide (NO₂)

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

Table-1 (b) Monitoring results for NO₂

Parameter	Location	Days	Results (µg/m ³)	NAAQS	Time Weighted Average
				Concentration in Ambient Air(µg/m ³)	
				Industrial, Residential, Rural and other Areas	
Nitrogen Dioxide(NO ₂)	Project site.	Day 1	19.8	80	24 hours

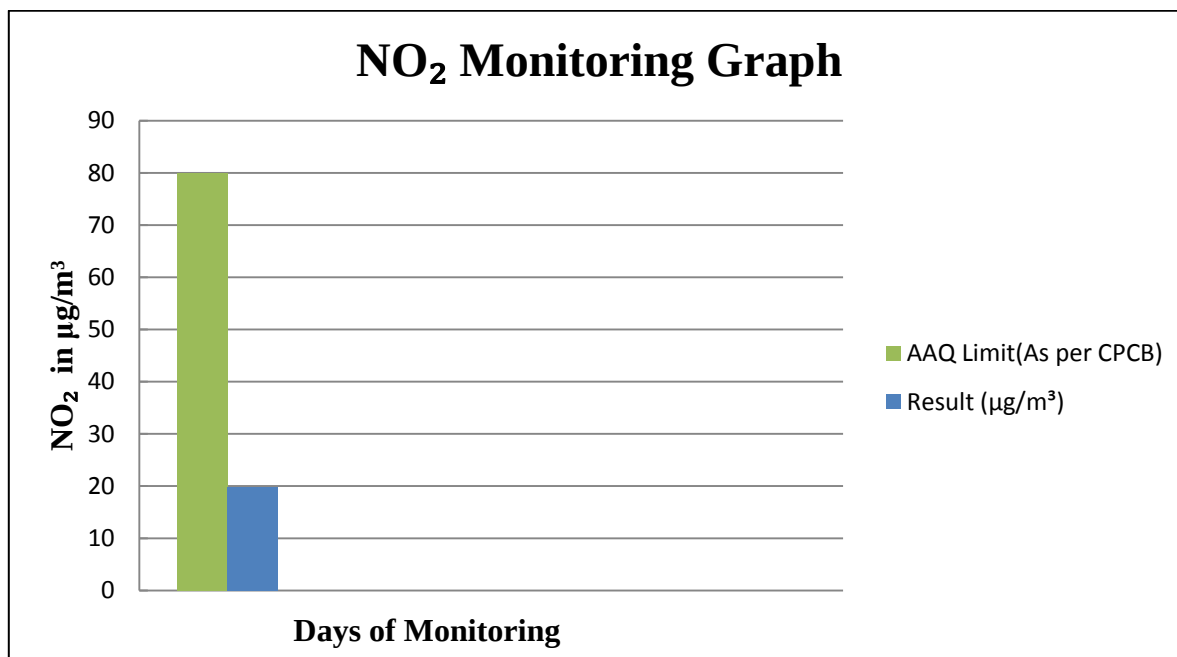


Figure 1 (b): NO₂ concentrations at Project site.

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

Particulate Matter

PM₁₀:

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

Table-1 (c) : Monitoring results for PM₁₀

Parameter	Location	Days	Results (µg/m ³)	NAAQS	Time Weighted Average
				Concentration in Ambient Air(µg/m ³)	
				Industrial, Residential, Rural and other Areas	
Particular Matter Size Less than 10µm(PM ₁₀)	Project site.	Day 1	176	100	24 hours

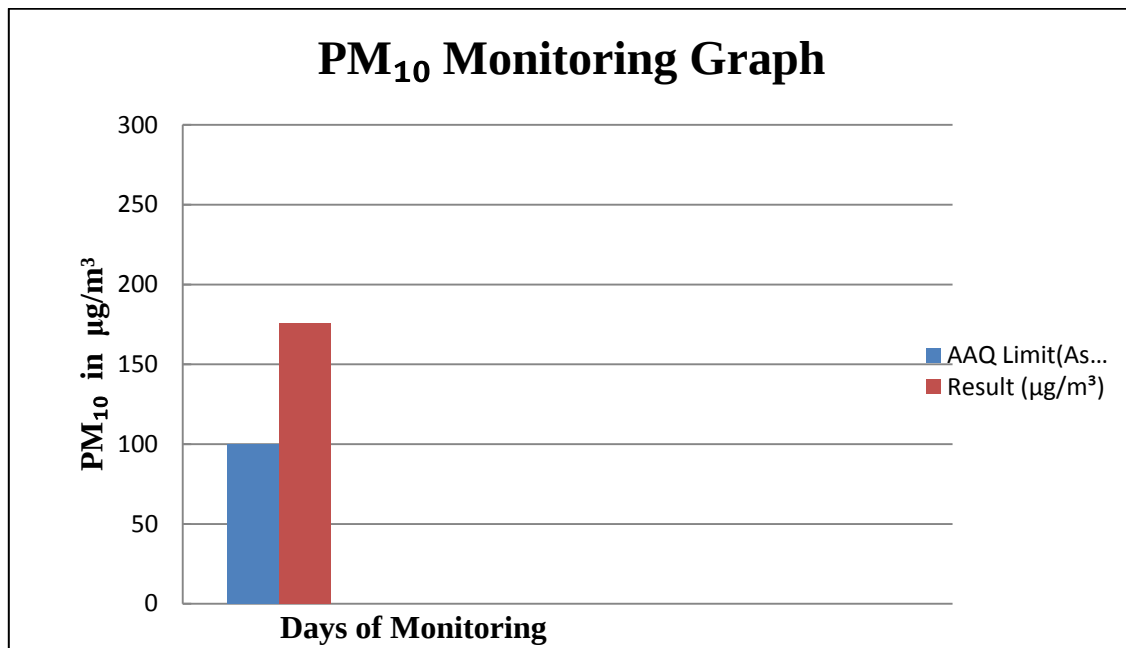


Figure 1 (c): PM₁₀ concentrations at Project site.

The concentration of PM₁₀ was found higher than permissible limit by NAAQS as there is some construction activity going on in surrounding area.

PM_{2.5}:

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

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

Parameter	Location	Days	Results (µg/m³)	NAAQS	Time Weighted Average
				Concentration in Ambient Air (µg/m³)	
				Industrial, Residential, Rural and other Areas	
Particular Matter Size Less than 2.5µm (PM _{2.5})	Project site.	Day 1	103	60	24 hours

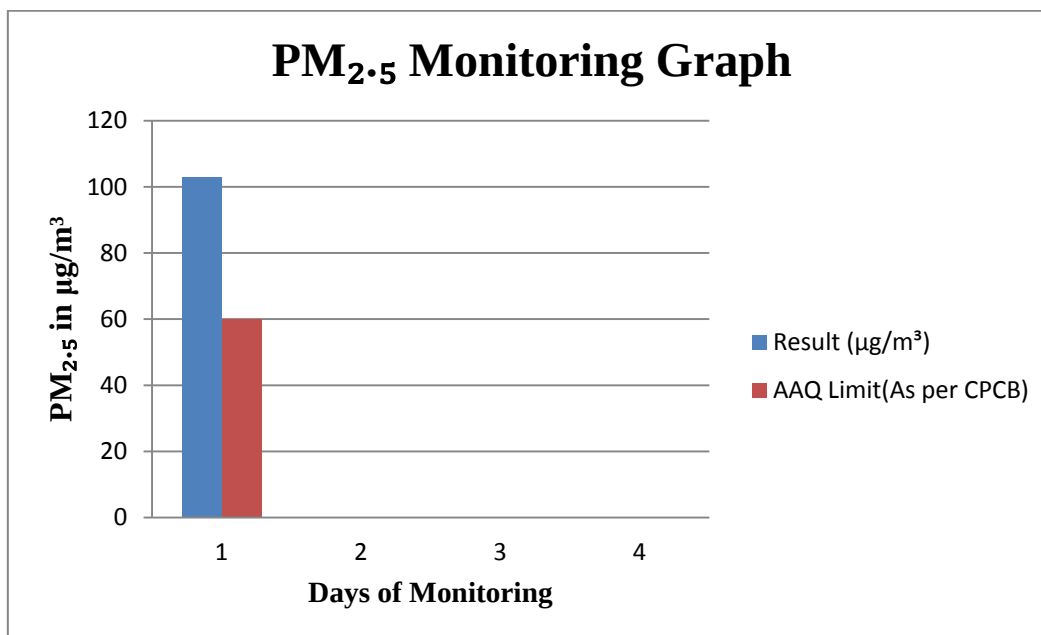


Figure 1 (d): PM_{2.5} concentrations at Project Site

The concentration of PM_{2.5} was found to be higher than permissible limit by NAAQS as some construction activity is going on in surrounding area.

Carbon Monoxide (CO)

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

Table -1 (e): Monitoring results for CO

Parameter	Location	Days	Results (mg/m ³)	NAAQS	Time Weighted Average
				Concentration in Ambient Air(mg/m ³)	
				Industrial, Residential, Rural and other Areas	
Carbon monoxide (CO)	Project site.	Day 1	0.10	2	8 hours

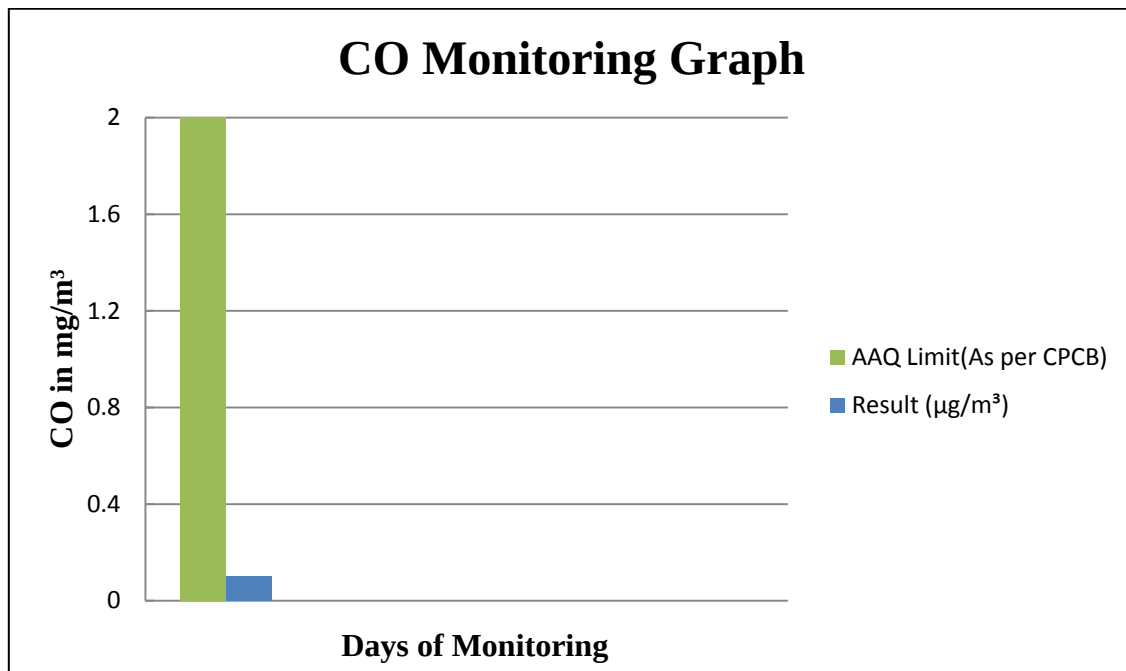


Figure 1 (e): CO concentrations at Project site.

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

2. Noise Monitoring

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

Table (2): Schedule of Noise Monitoring

Day of sampling	Duration of sampling (hours)	Date		Sample collected on	Location
		From	To		
Day 1	24	19/05/2020	20/05/2020	20/05/2020	Project site

Monitoring has been done for 24 hours .The results for day time & night time observations are given below:

Day Time

Monitoring results of day time is given in Table- 2(a) and graphical representation is given in Figure- 2(a)

Table 2(a): Day Time monitoring results

Day	Result dB(A)	Permissible Limit dB(A) (as per CPCB)
	Day time (6:00 to 10:00 PM)	
Day 1	63.3	65

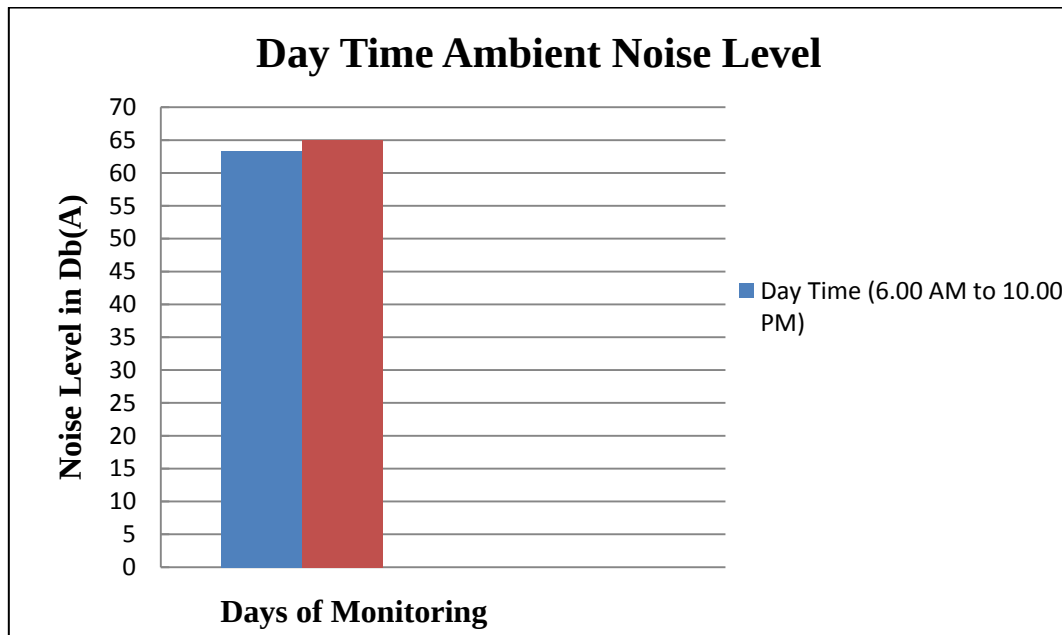


Figure 2(a): Graph showing day time noise monitoring results

The day noise result was found to be within the limit as prescribed by NAAQS.

Night Time

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

Table – 2(b): Night Time monitoring results

Night	Result dB(A)	Permissible Limit dB(A) for commercial Area
	Night Time (10:00 PM to 6:00 AM)	
Night 1	52.1	55

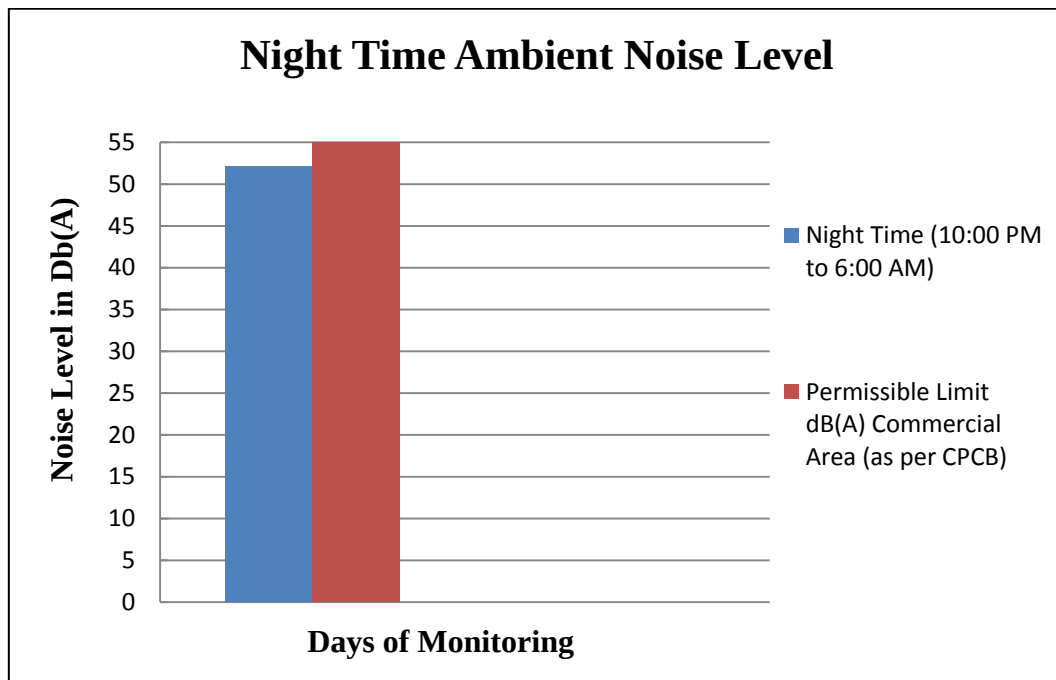


Figure 2(b): Graph showing night time noise monitoring results

The night noise result was found to be within the limit as prescribed by NAAQS.

3. Drinking water Monitoring

Schedule for Drinking water monitoring is given in **Table 3**.

Table 3: Schedule for Drinking water sample collection

Day of sampling	Sample collected on	Location
Day 1	19/05/2020	Project site

Drinking water monitoring result is given in **Table 3(a)**.

Table 3(a): - Ground water monitoring results

S. No.	Test Parameters	Units	Result	IS 10500: 2012		Test Method
				Acceptable Limit, max.	Permissible Limit in the Absence of Alternate source, max.	
1	Color	Hazen	<5.0	5	15	IS 3025 (Pt-04)
2	Odour	—	Unobjectionable	Agreeable	Agreeable	IS 3025 (Pt-05)
3	pH	—	7.58	6.5-8.5	No relaxation	IS 3025 (Pt-11)
4	Taste	—	Agreeable	Agreeable	Agreeable	IS 3025 (Pt-08)
5	Turbidity	NTU	<1.0	1	5	IS 3025 (Pt-10)
6	Total Dissolved Solids	mg/l	478	500	2000	IS 3025 (Pt-16)
7	Ammonia (as N)	mg/l	<0.5	0.5	No relaxation	IS 3025 (Pt-34)
8	Anionic Detergents (as MBAS)	mg/l	<0.1	0.2	1.0	Annex K of IS 13428
9	Calcium as Ca	mg/l	77	75	200	IS 3025 (Pt-40)
10	Chloramines as Cl ₂	mg/l	<1.0	4.0	No relaxation	IS 3025 (Pt-26)
11	Chloride as Cl	mg/l	45	250	1000	IS 3025 (Pt-32)
12	Fluoride as F	mg/l	0.22	1.0	1.5	APHA 22ND Ed 4500F
13	Free Residual Chlorine	mg/l	<0.005	0.2*	1*	IS 3025 (Pt-26)
14	Nitrate as NO ₃	mg/l	0.8	45	No relaxation	IS 3025 (Pt-34)
15	Phenolic Compounds	mg/l	<0.001	0.001	0.002	IS 3025 (Pt-43)
16	Sulphate as SO ₄	mg/l	52	200	400	IS 3025 (Pt-24)
17	Sulphide as H ₂ S	mg/l	<0.05	0.05	No relaxation	IS 3025 (Pt-29)
18	Total Alkalinity as CaCO ₃	mg/l	212	200	600	IS 3025 (Pt-23)
19	Total Hardness as CaCO ₃	mg/l	284	200	600	IS 3025 (Pt-21)
20	Cyanide as CN	mg/l	<0.02	0.05	No relaxation	IS 3025 (Pt-27)
21	Aluminium (as Al)	mg/l	<0.01	0.03	0.2	APHA 23ND Ed.3120B
22	Barium as Ba	mg/l	<0.1	0.7	No relaxation	APHA 23ND Ed.3120B
23	Boron as B	mg/l	<0.2	0.5	1.0	APHA 23ND Ed.3120B
24	Copper (as Cu)	mg/l	<0.02	0.05	1.5	APHA 23ND Ed.3120B
25	Iron as Fe	mg/l	0.16	1.0	No relaxation	IS 3025 (Pt-53)

**Commercial Complex project at Sushant Lok, Sec- 27, Gurugram Haryana by M/S
Asthetic Township Developers Pvt. Ltd.**

26	Magnesium as Mg	mg/l	22.4	30	100	APHA 23ND Ed.3500 mg B
27	Manganese as Mn	mg/l	<0.01	0.1	0.3	APHA 23ND Ed.3120B
28	Selenium (as Se)	mg/l	<0.01	0.01	No relaxation	APHA 23ND Ed.3120B
29	Silver (as Ag)	mg/l	<0.05	0.1	No relaxation	APHA 23ND Ed.3120B
30	Zinc as Zn	mg/l	<0.05	5	15	APHA 23ND Ed.3120B
31	Cadmium (as Cd)	mg/l	<0.003	0.003	No relaxation	APHA 23ND Ed.3120B
32	Lead (as Pb)	mg/l	<0.003	0.01	No relaxation	APHA 23ND Ed.3120B
33	Mercury as Hg	mg/l	<0.001	0.001	No relaxation	APHA 23ND Ed.3120B
34	Molybdenum as Mo	mg/l	<0.05	0.07	No relaxation	APHA 23ND Ed.3120B
35	Nickel as Ni	mg/l	<0.02	0.02	No relaxation	APHA 23ND Ed.3120B
36	Total Arsenic as As	mg/l	<0.01	0.01	No relaxation	APHA 23ND Ed.3120B
37	Total Chromium as Cr	mg/l	<0.05	0.05	No relaxation	APHA 23ND Ed.3120B

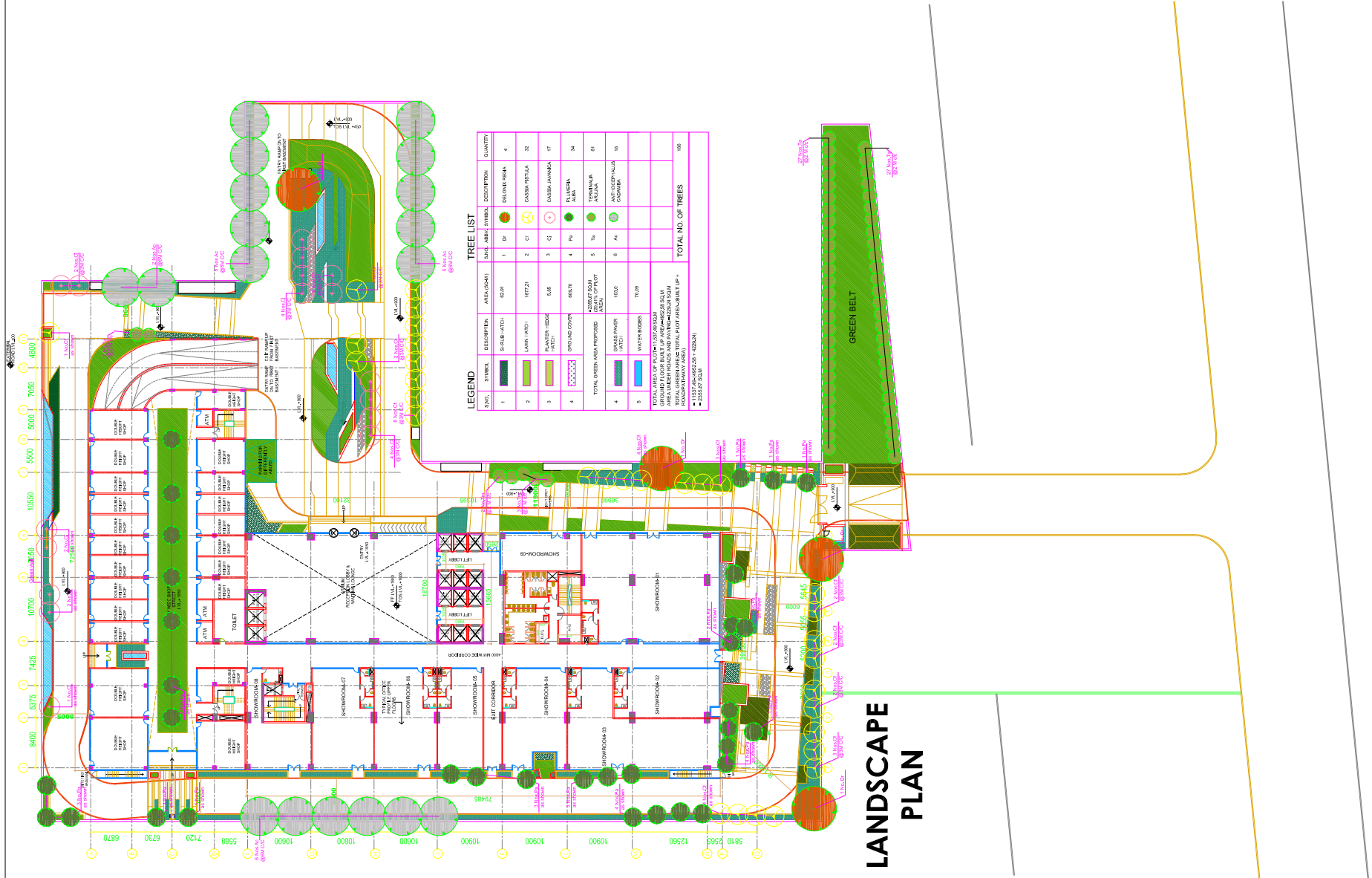
4. Soil Monitoring

Soil sample was collected on 19/05/2020 from Near Project Site. Monitoring results are given in **Table 4.**

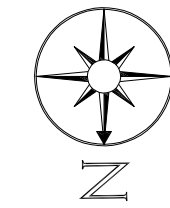
Table 4: Soil Monitoring Results

S. No.	Test Parameters	Unit	Results	Test Method
1	pH(1:5)	-	7.87	IS 2720 (P-26)
2	Conductivity(1:5)	µmhos/cm	366	USDA Method
3	Color	-	Brown	USDA Method
4	Texture		Clay Loam	USDA Method
5	Silt	%	26	
6	Clay	%	40	
7	sand	%	34	
8	Sodium absorption ratio	-	0.27	USDA Method
9	Cation exchange capacity	Meq/100gm	41.9	IS 2720 (P-24)
10	Porosity	%	31	USDA Method
11	Water Holding Capacity	%	36	USDA Method
12	Bulk Density	gm/cc	1.43	USDA Method
13	Chloride as Cl	mg/kg	812	USDA Method
14	Calcium as Ca	mg/kg	4645	USDA Method
15	Sodium as Na	mg/kg	90	USDA Method
16	Potassium as K	mg/kg	70	USDA Method
17	Magnesium as Mg	mg/kg	2173	USDA Method
18	Organic matter	%	0.18	IS 2720 (P-22)
19	Available Nitrogen	mg/kg	264	USDA Method
20	Phosphorous	mg/kg	152	USDA Method

Annexure-XI
Landscape plan



COMMERCIAL TOWER
ASTHETIC DEVELOPERS
GURUGRAM



ARCHITECTS
ACPL

ACPL Design Ltd
E-24 South Extension-1
New Delhi-110048 India
T: +91 11 24622195
F: +91 11 24646709
E: contact@acplonline.com

Annexure-XII

**Photographs showing Excavated top
soil is preserved**

Photographs showing Excavated Top Soil



Annexure-XIII
PUC Certificate



प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

(All India Valid)

दिल्ली सहित

अधिकृत परिवहन आयुक्त, हरियाणा

Authorised By: Transport Commissioner Haryana

संख्या

S. No.

प्रमाणपत्र संख्या

PUCC No. HR.

वाहन पंजी संख्या

Vehicle Reg. No.

मेक

Make

मॉडल

Model

वर्ग

Category

वर्ष

Year

ईंधन

Fuel

दिनांक

Date

समय

Time

GGN,D-400000118

HR1802BZ0285

MAIT

HR 180

OTHERS

2017

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23/MAY/2020

12:48:54

वैधता

Valid upto

22/AUG/2020

प्रमाणित किया जाता है कि इस वाहन का CO उत्सर्जन स्तर कं. मो. वा. नियम 1989 के नियम 115 (2) में निर्धारित स्तर के अनुसार है।

यदि आपको कोई प्रारंशिक, परिवहन (गुडगांव) को लिखें।

In case of any Comments complaint Please write to Secretary, Regional Transport authority, Gurgaon (Haryana)

OM PRAKASH PUC CENTRE

C/o Jain Filling Station

Authorised Signatory

22103

नाम

Name

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मुक्त त्वरण विधि द्वारा निर्धारित धूम्र घनत्व सीमा
Prescribed Smoke Density at Free Acceleration

HSU = 65%
2.46 1/m

Flushing Cycle					
Mean	RPM Max	RPM Min.	OTP		
	02756	00738	000		
Cycle No.	% HU	K /m	Max RPM	Min RPM	OTP
1	040.1	01.19	02826	00808	071
2	043.1	01.31	02727	00751	072
3	040.1	01.19	02725	00790	071
4	041.6	01.25	02753	00711	071
Mean	041.26	01.240 /m	PASS		071

HR1802BZ0285

Centre Code: GGN,D-400

OM PRAKASH PUC, (GGN,D-400)

अधिकृत केन्द्र कोड

Authorised Center Code

GGN - D 0 4 0 0

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station, Nuh-Alwar Road,
Sohna-122103, Distt. Gurgaon (Hr.)

Prescribe Pollution Checking Charges : Rs : Diesel 100/-, (Rate is 3 Month)



प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

(All India Valid)

दिल्ली सहित

अधिकृत परिवहन आयुक्त, हरियाणा

Authorised By: Transport Commissioner Haryana

संख्या

S. No.

प्रमाणपत्र संख्या

PUC No. HR.

वाहन पंजी संख्या

Vehicle Reg. No.

मेक

Make

मॉडल

Model

वर्ग

Category

वर्ष

Year

ईंधन

Fuel

दिनांक

Date

समय

Time

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Valid upto

GGN,D-400000120

PNE570147

ATLAS COPCO

XA187

OTHERS

2017

DIESEL

23/MAY/2020

13:00:02

22/AUG/2020

प्रमाणित किया जाता है कि इस वाहन का CO उत्सर्जन स्तर क. मो. वा. नियम 1989 के नियम 115 (2) में निर्धारित स्तर के अनुसार है।

यदि आपको कोई निम्नलिखित है, तो कृपया प्रादेशिक परिवहन गुरुगांव, हरियाणा को लिखें।

In case of any Comments complaint Please write to Secretary, Regional Transport authority Gurgaon (Haryana)

मुक्त त्वरण विधि द्वारा निर्धारित धूम घनत्व सीमा
Prescribed Smoke Density at Free Acceleration

HSU = 65%
2.46 1/m

Flushing Cycle					
Mean	RPM Max	RPM Min.	OTP		
	02642	00720	000		
Cycle No.	% HU	K/m	Max RPM	Min RPM	OTP
1	041.4	01.24	02700	00771	071
2	040.1	01.19	02798	00760	072
3	042.9	01.30	02678	00758	071
4	042.1	01.27	02584	00755	071
Mean	041.60 %	01.250 /m	PASS		071

हस्ताक्षरकर्ता

Authorised Signatory

OM PRAKASH PUC CENTRE

नाम C/o Jain Filling Station

Soehna-Alwar Road, Sohna-122103

Name श्री गुरुगाम (Hr.)

OM PRAKASH PUC, (GGN,D-400)

अधिकृत केन्द्र कोड

Authorised Center Code

GGN - D 0 4 0 0

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station, Nuh-Alwar Road,
Sohna-122103, Distt. Gurgaon (Hr.)

Prescribe Pollution Checking Charges : Rs : Diesel 100/-, (Rate is 3 Month)



प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

(All India Valid)
दिल्ली सहित

अधिकृत परिवहन आयुक्त, हरियाणा

Authorised By: Transport Commissioner Haryana

संख्या

S. No.

प्रमाणपत्र संख्या

PUC No. HR.

वाहन पंजी संख्या

Vehicle Reg. No.

मेक

Make

मॉडल

Model

वर्ग

Category

वर्ष

Year

ईंधन

Fuel

दिनांक

Date

समय

Time

GGN,D-400000117

PNA324403

ATLAS COPCO

XAT 266

OTHERS

2013

DIESEL

23/MAY/2020

12:40:15

प्रमाणित किया जाता है कि
इस वाहन का CO उत्सर्जन
स्तर क. मो. वा. नियम
1989 के नियम 115 (2)
में निर्धारित स्तर के अनुसार
है।

यदि आपको कोई
है, तो कृपया
प्रादेशिक परिवहन
गुडगांव (हरियाणा) को
लिखें।

In case of any Comments
complaint Please write to
Secretary, Regional Trans-
port authority, Gurgaon
(Haryana)

मुक्त त्वरण विधि द्वारा निर्धारित धूम घनत्व सीमा
Prescribed Smoke Density at Free Acceleration

HSU = 65%
2.46 1/m

Flushing Cycle						
Mean	RPM Max	RPM Min.	OTP			
	03155	00616	000			
Cycle No.	% HU	K /m	Max RPM	Min RPM	OTP	
1	043.1	01.31	03274	00593	071	
2	041.9	01.26	03158	00629	071	
3	040.1	01.19	03205	00660	071	
4	041.4	01.24	03246	00623	071	
Mean	041.60 %	01.250 /m	PASS			071

हस्ताक्षरकर्ता

Authorised Signatory

OM PRAKASH PUC CENTRE

C/o Jain Filling Station

Nuh-Alwar Road, Sohna-122103

Name

OM PRAKASH PUC, (GGN,D-400)

अधिकृत केन्द्र कोड

Authorised Center Code

GGN - D 0 4 0 0

वैधत

Valid upto

22/AUG/2020

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station, Nuh-Alwar Road,
Sohna-122103, Distt. Gurgaon (Hr.)

Prescribe Pollution Checking Charges : Rs : Diesel 100/-, (Rate is 3 Month)



प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

(All India Valid)
दिल्ली सहित

अधिकृत परिवहन आयुक्त, हरियाणा

Authorised By: Transport Commissioner Haryana

संख्या
S. No.

प्रमाणपत्र संख्या
PUCC No. HR.

वाहन पंजी संख्या
Vehicle Reg. No.

मेक
Make

मॉडल
Model

वर्ग
Category

वर्ष
Year

ईंधन
Fuel

दिनांक
Date

समय
Time

वैधता
Valid upto

GGN,D-400000116

प्रमाणित किया जाता है कि
इस वाहन का CO उत्सर्जन
स्तर/क. मो. वा. नियम
1989 के नियम 115 (2)
में निर्धारित स्तर के अनुसार
है।

यदि आपको कोई शिकायत
है, तो कृपया सचिव
प्रादेशिक परिवहन प्राधिकारी
गड़गांव, हरियाणा से
संबंधित करें।

In case of any Com-
plaint Please write to
Secretary, Regional Trans-
port authority Gurgaon
(Haryana)

हस्ताक्षरकर्ता

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station
Nuh-Alwar Road, Sohna-122103
Name

मिटर	RPM Max	RPM Min.	OTF		
02540	00680	000			
Cycle No.	% HU	K/m	Max RPM	Min RPM	OTF
1	045	01.39	02546	00699	071
2	043	01.31	02452	00695	071
3	043	01.31	02675	00738	071
4	043	01.31	02598	00683	071
5	043	01.330 /m	PASS		071

2830

OM PRAKASH PUC, (GGN,D-400)
Authorised Center Code

GGN - D 0 4 0 0

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station, Nuh-Alwar Road,
Sohna-122103, Distt. Gurgaon (Hr.)



प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

(All India Valid)
दिल्ली सहित

अधिकृत परिवहन आयुक्त, हरियाणा
Authorised By: Transport Commissioner Haryana

संख्या
S. No.

प्रमाणपत्र संख्या
PUCC No. HR.

वाहन पंजी संख्या
Vehicle Reg. No.

मेक
Make

मॉडल
Model

वर्ग
Category

वर्ष
Year

ईंधन
Fuel

दिनांक
Date

समय
Time

प्रमाणित किया जाता है कि
इस वाहन का CO उत्सर्जन
स्तर क. मो. वा. नियम
1989 के नियम 115 (2)
में निर्धारित स्तर के अनुसार
है।

यदि आपको कोई शिकायत
है, तो कृपया सचिव,
प्रादेशिक परिवहन प्राधिकारी
गुडगाँव (हरियाणा) को
लिखें।
In case of any complaints
complains Please write to
Secretary, Regional Trans-
port authority, Gurgaon
(Haryana)

मुक्त त्वरण बिंदु द्वारा निर्धारित धूर घनत्व सीमा
Prescribed Smoke Density at Free Acceleration
HSU = 65%
2.46 1/m

Flashing Cycle					
Mean	RPM Max	RPM Min.	OTP		
	02097	00650	000		
Cycle No.	% HU	K /m	Max RPM	Min RPM	OTP
1	042.4	01.28	02238	00672	071
2	045.5	01.41	02275	00735	071
3	042.1	01.27	02205	00689	071
4	043.1	01.31	02229	00676	072
Mean	043.30 %	01.320 /m	PASS		071

हस्ताक्षरकर्ता

Authorised Signatory

नाम

Name

HH3001125

OM PRAKASH PUC, (GGN,D-400)

अधिकृत केन्द्र कोड

Authorised Center Code

GGN-D0400

वैधत
Valid upto

22/AUG/2020

OM PRAKASH POLLUTION CHECKING CENTRE
C/o Jain Filling Station, Nuh-Alwar Road,
Sohna-122103, Distt. Gurgaon (Hr.)

Prescribe Pollution Checking Charges : Rs : Diesel 100/-, (Rate is 3 Month)

Annexure-XIV

**Environment Management and
Monitoring Plan**

ENVIRONMENT MANAGEMENT PLAN AND ENVIRONMENT MONITORING PLAN

ENVIRONMENT MANAGEMENT PLAN

The Environment Management Plan (EMP) would consist of all mitigation measures for each component of the environment due to the activities increased during the construction, operation and the entire life cycle to minimize adverse environmental impacts resulting from the activities of the project. It would also delineate the environmental monitoring plan for compliance of various environmental regulations. It will state the steps to be taken in case of emergency such as accidents at the sites including fire. The detailed EMP for the complex is given below.

Environmental Management Plan

The Environment Management Plan (EMP) is a site specific plan developed to ensure that the project is implemented in an environmental sustainable manner where all contractors and subcontractors, including consultants, understand the potential environmental risks arising from the project and take appropriate actions to properly manage that risk. EMP also ensures that the project implementation is carried out in accordance with the design by taking appropriate mitigation actions to reduce adverse environmental impacts during its life cycle. The plan outlines existing and potential problems that may adversely impact the environment and recommends corrective measures where required. Also, the plan outlines roles and responsibility of the key personnel and contractors who will be in-charge of the responsibilities to manage the project site.

The EMP is generally

- Prepared in accordance with rules and requirements of the MoEF and CPCB/ SPCB
- To ensure that the component of facility are operated in accordance with the design
- A process that confirms proper operation through supervision and monitoring
- A system that addresses public complaints during construction and operation of the facilities and
- A plan that ensures remedial measures is implemented immediately.

The key benefits of the EMP are that it offers means of managing its environmental performance thereby allowing it to contribute to improved environmental quality. The other benefits include cost control and improved relations with the stakeholders.

EMP includes four major elements :

- **Commitment & Policy:** The management will strive to provide and implement the Environmental Management Plan that incorporates all issues related to air, water, land and noise.
- **Planning:** This includes identification of environmental impacts, legal requirements and setting environmental objectives.
- **Implementation:** This comprises of resources available to the developers, accountability of contractors, training of operational staff associated with environmental control facilities and documentation of measures to be taken.
- **Measurement & Evaluation:** This includes monitoring, counteractive actions and record keeping.

It is suggested that as part of the EMP, a monitoring committee would be formed by M/s Aesthetic Township Developers Pvt. Ltd., comprising of the site in-charge/coordinator, environmental group representative and project implementation team representative. The committee's role would be to ensure proper operation and management of the EMP including the regulatory compliance.

The components of the environmental management plan, potential impacts arising, out of the project and remediation measures are summarized below in **Table 1** and EMP for dust suppression is mentioned in **Table 2**.

TABLE 1: SUMMARY OF POTENTIAL IMPACTS AND REMEDIAL MEASURES

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
1.	Ground Water Quality	Ground Water Contamination	<u>Construction Phase</u> Sewage generated from temporary labor tents.	Mobile STP and treated sewage will be used for construction purposes.	No significant impact as majority of labors would be locally deployed	--
			<u>Operation Phase</u> Sewage Discharge from the project	Proponent will provide the STP to treat the sewage of Project.	No negative impact on ground water quality envisaged. Not significant.	In an unlikely event of soil and ground water contamination. Remediation measures will be implemented.
2.	Ground Water Quantity	Ground Water Depletion	<u>Construction Phase</u> Ground water will be not be used during construction.	Not Applicable	No significant impact on ground water quantity envisaged.	
			<u>Operation Phase</u> Groundwater will not during operation phase. The required water will be met through the municipal supply	- Rain water harvesting scheme. - Black and Grey water treatment and reuse. - Storm water collection for water harvesting. - Percolation well to be introduced in landscape plan. - Awareness Campaign to	No significant impact on surface/ground water quantity envisaged.	In an unlikely event of non-availability of water supply, water will be brought using tankers.

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
				reduce the water consumption		
3.	Surface Water Quality	Surface water contamination	<u>Construction Phase</u> • Surface runoff from site during construction activity.	• Silt traps and other measures such as additional onsite diversion ditches will be constructed to control surface run-off during site development	No off-site impact envisaged as no surface water receiving body is present in the core zone.	--
			<u>Operation Phase</u> • Discharge of domestic wastewater to STP.	• Domestic water will be treated in STP	No off-site impact envisaged	Excess of water will be discharged as per CPCB standards.
4.	Air Quality	Dust Emissions	<u>Construction Phase</u> • All heavy construction activities	• Suitable control measures will be adopted for subsiding the PM level in the air as per air pollution control plan.	Not significant because dust generation will be temporary and will settle fast due to dust suppression techniques (wet scrubbers) used.	During construction phase the contractors are advised to facilitate masks for the labors. Water sprinklers will be used for suppression of dust during construction phase.
		Emissions of SPM, SO ₂ , NO ₂ and CO	<u>Construction Phase</u> • Operation of construction	• On-site construction and improved maintenance of equipment	Not significant.	Regular monitoring of emissions and control measures will be taken

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
			equipment and vehicles during site development. • Running D.G. sets (back up)			to reduce the emission levels.
			<u>Operation Phase</u> • Power generation by DG Sets during power failure • Emission from vehicular traffic in use <u>Construction Phase</u> • Operation of construction equipment and vehicle movements during site development. • Running DG sets (for power back up)	• Use of Low Sulphur diesel if available • Use of clean fuel if available • Green belt will be developed with specific species to help to reduce PM level • Use of equipment fitted with silencers • Proper maintenance of equipment • Provision of noise shields near the heavy construction operations and acoustic enclosures for DG sets Construction activity will be limited to day time hours only	Not significant	Regular monitoring of emissions and control measures will be taken to reduce the emission levels.

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
5.	Noise Environment		<u>Operation Phase</u> - Noise from vehicular movement - Noise from DG sets operation	Green Belt Development shall make a barrier both for noise and air pollution.	No significant impact due to 10m. width of Greenbelt.	Use of Personal Protective Equipment (PPE) like earmuffs and earplugs during construction activities
6.	Land Environment	Soil contamination	<u>Construction Phase</u> Disposal of construction debris	Construction debris will be collected and suitably used on site.	No significant impact. Impact will be local, as waste generated will be reused for filling of low lying areas etc.	--
			<u>Operation Phase</u> Dumping of municipal solid waste on land.	It is proposed that the solid waste generated will be managed by an authorized agency. Collection, segregation, transportation and disposal will be done as per Solid Waste Management Rules, 2016 by the authorized agency Organic waste converter	Since solid waste is handled by the authorized agency, waste dumping is not going to be allowed. Not significant. Negligible impact.	--

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
				will be installed.		
7.	Biological Environment (Flora and Fauna)	Displacement of Flora and Fauna on site	<u>Construction Phase</u> Site Development during construction No tree at the site.	Additional tree will be planted as part of the green belt development.	The site has no tree.	
			<u>Operation Phase</u> Increase in green cover	Green belts will be developed as per landscaping plan in and around the site using local flora	Beneficial impact.	
8.	Socio-Economic Environment	Employment and livelihood options.	<u>Construction Phase</u> Construction activities leading to gain in direct & indirect employment	Project development as per the Building bye laws.	No negative impact. 400 employment will be generated.	
			<u>Operation Phase</u>	Project will provide employment opportunities to the local people in terms of labor during	Beneficial impact	

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Preventive Measures
			Site operation	construction and service personnel (staff, securities, gardeners etc.) during operations Providing quality-Integrated facility in Ghaziabad		
9.	Traffic Pattern	Increase of Vehicular traffic	<u>Operation Phase</u> Site operation	Internal Traffic management plan	Beneficial impact	
			<u>Operation Phase</u> Traffic due to people.	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the site.	No major significant impact	

TABLE 2: EMP FOR DUST SUPPRESSION

Sources/Process	Emission Potential	Scope of Control	Effectiveness
Hydraulic excavators and loaders (e.g. Front loader, backhoe face shovel bulldozers) for the excavation, lifting and movement of material such as Soil, overburden.	High when dry or fine silty material are being handled, particularly during strong windy weather	Use of water sprays to moisten material being handled. Soils may be subject to a soil moisture content planning condition	Moderate
	Low when coarse or wet material are being handled during conditions of low wind speed	Minimize drop heights when unloading material. Protect from exposure to wind where possible.	
Tractor scrapers (Soil strippers) for cutting, lifting transporting and placing, spreading or shaping of soils	Moderate/High-when dry silty materials handled during windy weather	Use of water sprays to moisten material being handled.	Low
Vehicles for transport of material within the site.	High particularly when travelling over unsurfaced and dry site roads.	Minimize onsite transportation distances.	High
		Use of water sprays to moisten road surfaces during dry weather.	
		Use mechanical road sweepers during dry weather, to limit visible dust emissions. Restrict vehicle speeds through signage/staff training.	
		Use of covered conveyors to transport material around the site.	
Hydraulic breakers for size reduction of large rocks	Low	Water spraying of rock prior to fragmentation when high degree of control required.	Moderate
Exhausts and cooling fans on mobile plant	High if unmitigated.	Mobile plant exhausts and cooling fans will discharge	Moderate

Sources/Process	Emission Potential	Scope of Control	Effectiveness
processing quarried material.		above the horizontal to prevent dust mobilization.	
Conveyors for transporting material	Moderate if not protected from wind	Enclosure of transfer points (including roofing) of conveyors.	High
		Wind boarding.	High
	Moderate/High for dry or fine silty materials, particularly during strong wind weather	Water spraying of surfaces of material on conveyor.	High/Moderate
		Cleaning belts with scrapers and collecting scrapings in container.	Moderate
Stockpiles for storage of quarried materials and soil/overburden during extraction and site development phases.	High when dry or fine silty materials are being stored /handled particularly during strong weather.	Seed surfaces of completed mounds of overburden and top soil (restoration materials).	High
		Limit mechanical disturbance.	
		Shield from wind e.g. through the use of tree planting or screening	
		Use of water sprays to moisten surfaces during dry weather.	Moderate

ENVIRONMENTAL MONITORING

The purpose of environmental monitoring is to evaluate the effectiveness of implementation of Environmental Management Plan (EMP) by periodic monitoring. The important environmental parameters within the impact area are selected so that any adverse affects are detected and time action can be taken. The project proponent will monitor ambient air Quality, Ground Water Quality and Quantity, and Soil Quality in accordance with an approved monitoring schedule mentioned in **Table 3**.

Table 3: Environmental Monitoring Schedule for Compliance

S. No	Particulars	Monitoring Frequency	Duration of Sampling	Important Monitoring Parameters
1	Ambient Air Quality Monitoring			
	Project site	Once in 6 Months	24 hr continuously except CO (8 hourly)	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO
3	Ambient Noise Level			
	Near DG set	Once in 6 Months	8 hr continuous with 1 hr interval	Noise level in dB(A)
4	Ground/Drinking Water Quality Monitoring			
	Ground Water – at project site	Once in 6 Months	Grab Sampling	Parameters specified under IS:10500, 2012
5	Soil Quality			
	At the green belt area	Twice in a year	Samples will be collected from three different depths viz., 30cm, 60cm, and 100cm below the surface	Parameter for soil quality: pH, texture, electrical conductivity, organic matter, nitrogen, phosphate, sodium, calcium, potassium and Magnesium.

Annexure-XV

**Newspaper Advertisement for
accordance of Environment Clearance**