

**SIX MONTHLY COMPLIANCE REPORT**

**OF**

**PROPOSED RESIDENTIAL AND  
COMMERCIAL PROJECT**

**AT**

**S. NO. 19/1/1, 19/1/2, 19/1/3, VILLAGE -  
PUNAWALE, TALUKA - MULSHI,  
DISTRICT - PUNE, MAHARASHTRA**

**DEVELOPED BY**

**M/S. SURYA DEVELOPERS**

**FOR**

**APRIL 2023 TO SEPTEMBER 2023**

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### Section1: Purpose of the Report

As per the ‘Sub Para (i)’ of ‘Para 10’ of EIA Notification 2006 and Condition mentioned General condition in Sr. No. L & LIII of Environmental Clearance (EC) letter dated **31<sup>st</sup> March, 2020 (Annexure 1)**. It is mandatory to submit six monthly compliance report to show the status & compliance of all the conditions mentioned in EC letter, along with monitoring of various environmental parameters. Therefore, based on the general conditions mentioned in EC letter detail compliance report is prepared.

### Section 2: Project Details

M/s. Surya Developers have proposed residential cum commercial project at S. no. 19/1/1, 19/1/2, 19/1/3, Village -Punawale, Taluka - Mulshi, District - Pune, Maharashtra. Project is designed as self-sufficient establishment wherein infrastructure facilities such as water supply, power supply and communication facilities are proposed. Further the project proponent has made provision for waste collection and disposal, rain water harvesting and sewage treatment to ensure that project is environment friendly. The project proponent also proposes arrangement for safety, maintenance and security of residents. The main features of the project are as follows.

Sr. No.	Particulars	Details
1	Total Plot Area (As per EC)	10200 sq. m.
2	Net Plot Area	9924.33 sq. m.
3	Total BUA (FSI + Non FSI)	45195.65 sq. m.
4	Total Water Requirement	271 m <sup>3</sup> /day
5	Sewage Generation	235 m <sup>3</sup> /day
6	No. & Capacity of STP	1 no. & 250 KLD
7	Solid Waste Generation	<b>Construction Phase:</b> Non-Biodegradable - 8 Kg/Day Biodegradable – 12 Kg/Day <b>Operation Phase:</b> Non-Biodegradable – 363.15 Kg/Day Biodegradable – 524.10 Kg/Day E-Waste – 2127.5 Kg/year STP Sludge – 50 kg/Day
8	Energy Demand	During Operation phase: (Connected load)- 1863 KW During Operation phase: (Demand load) -822 KW Transformer: 630 KVA x 2 DG set during operation phase: - 160 KVA x 1

**Section 3: Present Site Conditions**

Sr. No.	Name of Buildings	Current Status (Area constructed)
1.	A1 wing	Work in progress
2.	A wing	Excavation Ongoing
3.	B wing	Under Construction
4.	C wing	Under Construction
5.	D wing	Work Completed & handover
6.	E wing	Work Completed & handover

**Section 4: Post Environment Clearance Compliance Report**

The proposal has been considered by SEIAA in its 192<sup>nd</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subjected to implementation of the following terms and conditions:

Sr. No.	EC Conditions	Compliance Status
<b>Specific Conditions</b>		
I.	PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.	Noted and Complied.
II.	PP to submit integrated waste management plan.	Noted and Complied.
III.	PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC.	Water and Drainage NOC attached as <b>Annexure – 2.</b>
IV.	PP to submit CER prescribed by MoEF & CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department	Condition is noted and Complied. Attached as <b>Annexure – 3.</b>
V.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MOEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019	We shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MOEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019
VI.	SEIAA after deliberation decided to grant Environment Clearance for - FSI area of 21132.19 m <sup>2</sup> , Non FSI area of 24063.46 m <sup>2</sup> and total BUA of 45195.65 m <sup>2</sup> (Plan Approval no-	Condition is noted and agreed.

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	ENV/BP/Punawale /13/2019 dated 23.12.2019)	
<b>General Conditions</b>		
I.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Condition is noted. We will comply the same
II.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per Environmental norms.	Condition is noted. We will comply the same
III.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment clearance does not necessarily imply that Forestry & Wildlife clearance granted to the project which will be considered separately on merit.	No NOC is required from the Forestry & Wildlife board as there is no forest land in the vicinity.
IV.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	We will abide by the conditions stipulated by SEAC & SEIAA.
V.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The height, Construction built up area of proposed construction is in accordance with the existing FSI/FAR norms of the urban local body. Proposed project is in the residential zone as per the approved development plan of the area.
VI.	If applicable Consent for Establishment shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	‘Consent to Establishment’ from Maharashtra Pollution Control Board is obtained on 27/02/2023, a copy of the same is attached as an <b>Annexure 4</b> .
VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase	Sanitary facilities such as toilets for ladies and Gents is provided onsite.

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VIII.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Drinking water is provided for laborers on site, Waste water generated is disposed of through STP.
IX.	The solid waste generated should be properly collected and segregated. dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	During completed construction the solid waste is segregated and recyclable material is sold to recyclers. Inert material is used for site leveling. The same will be adopted in proposed construction
X.	Disposal of muck during construction phase should 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.	All construction waste is collected and segregated properly at site and most of it will be reused for construction activity
XI.	Arrangement shall be made that wastewater and storm water do not get mixed.	Arrangement will be made that waste water and storm water will not get mixed.
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	We will use top soil for landscape development.
XIII.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Construction debris will be used for base preparation of the road and for site leveling.
XIV.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	We will provide green belt around the periphery as per CPCB guidelines and maintain it.
XV.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil testing was done, according to reports all the parameters are within limit and so there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XVI.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water	We will be taking proper measures during construction activity to avoid contamination of water courses. No bituminous material shall be used in construction.

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XVII.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Used oil generated at site will be disposed through MPCB authorized vendors.
XVIII.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	We will use low sulphur diesel type DG during construction phase and it conforms to Environment (Protection) rules prescribed for Air and Noise emission standards.
XIX.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	We will be using DG set only in case of power failure and hence not much diesel will be stored on site.
XX.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	We will check PUC certificate of Construction vehicles at entry gate.
XXI.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Care will be taken to maintain the noise level within limits at site. Construction activities are limited to daytime only. Noise shields will be provided for heavy construction equipment's. PPE will be provided to labours.
XXII.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	NA, as site is away from Thermal Power Stations.
XXIII.	Ready mixed concrete must be used in building construction.	We will use Ready mixed concrete in building construction.
XXIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Recharge pits are proposed.
XXV.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Gunny bags will be wrapped on columns and ponding will be done to reduce water usage for curing. Pre mixed concrete will be used.

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XXVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted.
XXVII.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Project is in proposed phase. When STP will be installed, we will certified the same from an independent expert.
XXVIII.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	Permission to draw ground water shall be obtained from the competent authority if required.
XXIX.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing will be provided in buildings.
XXX.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	We will use low flow fixtures in toilets to minimize wastage of water.
XXXI.	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	We shall use glass which can reduce energy consumption.
XXXII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	We shall abide Energy Conservation Building Code while designing building.
XXXIII.	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights,	Condition is noted. We will adopt energy conservation measures.

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	common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	DG sets will be provided for power back up during operation phase. DG sets will be provided with silencer and acoustic enclosures. Stack will be provided as per MPCB norms.
XXXV.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Yes, we will maintain noise level as per standards norms.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Condition is noted, all parking will be internalized.
XXVII.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Opaque wall shall meet prescriptive requirement as per Energy Conservation Building Code.
XXVIII.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Required distance has been maintained as per DCR and approved by local authority while at planning stage itself.
XXXIX	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Dedicated site engineer and supervisory staff will be appointed to take care of the monitoring and overall implementation.
XL.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Condition is noted. The copy of EC letter attached as <b>Annexure-1</b>

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XL I.	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	RO shifted to Nagpur hence we are now submitting to Nagpur.
XLII.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	All Environmental Infrastructure shall be in place before occupation.
XLIII.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	OWC shall be provided in premises to treat biodegradable waste
XLIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Condition is noted
XLV.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Condition is noted
XLVI.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	In case we are crossing BUA given in the EC we will take prior revised EC.
XLVII.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment Management cell will be prepared for implementation of the environmental safeguards.

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XLVIII.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Separate funds have been allocated for implementation of environmental protection measures/EMP. Attached as <b>Annexure 7.</b>
XLIX.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	Advertisement was published in Marathi and English Newspaper. The copy of same is attached as <b>Annexure 5.</b>
L.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	New norms as per RO being followed.
LI.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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.	Condition is noted
LII.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector 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.	Condition is noted

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LIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Yes, we will comply this.
LIV	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 by e-mail.	We will submit Form V for each financial year.
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Condition is noted.
5	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Condition is noted.
6	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Condition is noted.
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 7 years as per MoEF & CC notification dated 29th April 2015.	Condition is noted.

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8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Condition is noted.
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act. 1974, the Air (Prevention and Control of Pollution) Act. 1981. The Environment (Protection) Act. 1986 and rules there under. Hazardous Wastes (Management and Handling) Rules. 1989 and its amendments, the public liability Insurance Act, 1991 and its amendments.	Condition is noted.
10	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec-5, R.K. Puram, New Delhi-110 022. If any preferred within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Condition is noted.

### Section 5: Monitoring and Analysis

Monitoring of Air quality, Water quality, Soil quality, Noise level and DG set stack emissions at construction site. Monitoring was done and samples were collected as per standard norms. All samples were analyzed in NABL accredited laboratory. The details of sampling parameters were given in following table.

Sr. No.	Environmental Components	Monitoring Parameters
1	Air	PM10, PM2.5, SO2, NO2, O3, Pb, CO, NH3, C6H6, Benzo (a) Pyrene – Particulate Phase only, As, Ni
2	Water	Colour, Odour, Turbidity, pH, TDS, Total Alkalinity, Total Hardness, Ca, Mg, Cl-, SO4, NO3, Fe, Mn, F, Pb, Cu, Zn, Cr6+, As, B, Residual Chlorine, Al, Cd, Se, Hg, Pesticides, Mineral Oil
3	Noise	Leq
4	Soil	pH, Electrical Conductivity, Total Nitrogen as N, Phosphate as P, Potassium as K, Exchangeable Calcium as Ca, Exchangeable Magnesium as Mg, Exchangeable Sodium as Na, Organic Matter, Texture

Monitoring results are attached as **Annexure 6** which indicates that parameters of all environmental components are within standard limit and there is no pollution at site.