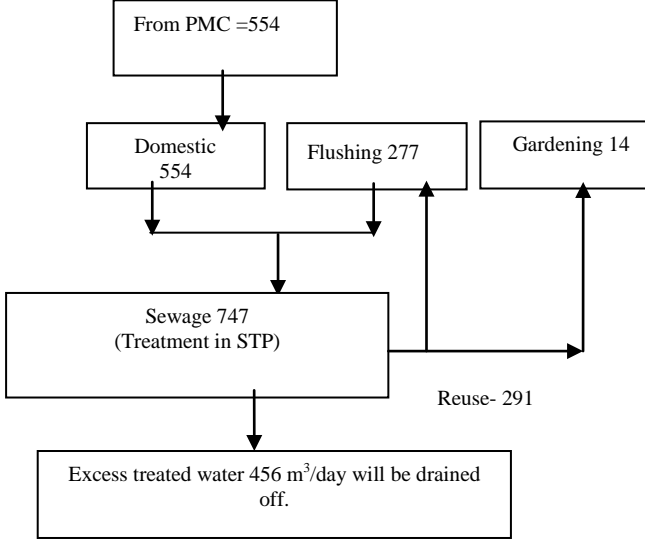


FORM-1 A

1	LAND ENVIRONMENT Attach panoramic view of the project site and the vicinity									
Sr. No.	Particulars	Remark								
1.1	<p>Will the existing land use get significantly altered from the project that is not consistent with the surroundings? (Proposed land use must conform to the approved Master Plan/ Development Plan of the area. Change of land use if any and the statutory approval from the competent authority are submitted). Attach Maps of (i) site location (ii) surrounding features of the proposed site (within 500 meters) (iii) The site (indicating levels & contours) to appropriate scales. If not available attach only conceptual plans</p>	<ul style="list-style-type: none"> • Being in a Residential Zone of Planning Authority, No change in existing land use. • Proposed Project falls under Residential Zone of Development Plan. (Development Plan Attached Annex. -I of Form 1) • Google Image Annex III • Google Map – Annex. IV • Contour Plan Annex. V • Master layout Annex. VI 								
1.2	<p>List out all the major project requirements in terms of the land area, built up area, water consumption, power requirement, connectivity, community facilities, parking needs etc</p>	<ul style="list-style-type: none"> • Area of Plot :27,424.31 m² • Permissible FSI : 70,677.61m² • Total Construction BUA : 1,46,078.38 m² • Water Consumption :Total water 845m³/day • Power Requirement : Supply from MSEDCL, As per requirement • Connectivity: - Nearest Airport: Pune: 5.40 Km. Nearest Hadapsar Railway Station: 2.0 Km. SH-7: 1.0 Km • Parking <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>#</th> <th>Nos.</th> </tr> </thead> <tbody> <tr> <td>4 W</td> <td>1122</td> </tr> <tr> <td>2W</td> <td>2583</td> </tr> <tr> <td>Cycles</td> <td>1631</td> </tr> </tbody> </table> 	#	Nos.	4 W	1122	2W	2583	Cycles	1631
#	Nos.									
4 W	1122									
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1.3	<p>What are the likely impacts of the proposed activity on the existing facilities adjacent to the proposed site? (Such as open spaces, community facilities, details of the existing land use,</p>	<p>No, there will not be any significant long-term impacts on the existing facilities. Adequate measures are proposed to mitigate the negative impacts on community facilities.</p>								

	disturbance to the local ecology).	
1.4	Will there be any significant land disturbance resulting in erosion, subsidence & instability? (Details of soil type, slope analysis, vulnerability to subsidence, seismicity etc may be given).	No, there will not be any significant land disturbance.
1.5	Will the proposal involve alteration of natural drainage systems? (Give details on a contour map showing the natural drainage near the proposed project site)	No, the proposal won't involve alteration of natural drainage systems.
1.6	What are the quantities of earthwork involved in the construction activity-cutting, filling, reclamation etc. (Give details of the quantities of earthwork involved, transport of fill materials from outside the site etc.)	Excavation top soil - For Landscaping Excavation lower layer -For Back filling
1.7	Give details regarding water supply, waste handling etc during the construction period	Potable water shall be arranged and supplied as per requirement. Solid waste will be handed over to authorised contractor & Mobile site sanitation.
1.8	Will the low lying areas & wetlands get altered? (Provide details of how low lying and wetlands are getting modified from the proposed activity)	No
1.9	Whether construction debris & waste during construction cause health hazard? (Give quantities of various types of wastes generated during construction including the construction labour and the means of disposal)	No
2	WATER ENVIRONMENT	

2.1	Give the total quantity of water requirement for the proposed project with the breakup of requirements for various uses. How will the water requirement met? State the sources & quantities and furnish a water balance statement	<table border="1" data-bbox="647 255 1436 398"> <thead> <tr> <th>Use</th> <th>Quantity m³/ day</th> <th>Source</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>554</td> <td>PMC</td> </tr> <tr> <td>Flushing/Utility</td> <td>277</td> <td>Recycled</td> </tr> <tr> <td>Gardening</td> <td>14</td> <td>Recycled</td> </tr> </tbody> </table> 	Use	Quantity m ³ / day	Source	Domestic	554	PMC	Flushing/Utility	277	Recycled	Gardening	14	Recycled
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Domestic	554	PMC												
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2.2	What is the capacity (dependable flow or yield) of the proposed source of water?	Assured Supply of 554 m ³ /day from PMC.												
2.3	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)	Drinking water quality of Class A as per Indian Standard: (10500, 2012) from local authority.												
2.4	How much of the water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)	Total treated water available for recycled water 291 m ³ / day Secondary requirements met: <ul style="list-style-type: none"> • Flushing- 277 m³/ day • Gardening-14 m³/ day • Excess treated waste water 456 m³/day shall be disposed off to sewer line. 												
2.5	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												
2.6	What is the incremental pollution load from wastewater generated from the proposed activity? (Give details of the quantities and composition)	No increase in pollution load as wastewater shall be treated to MPCB standards. Table No.12: Untreated & Treated Sewage Quality <table border="1" data-bbox="647 1966 1436 2036"> <thead> <tr> <th rowspan="2">SR. NO.</th> <th rowspan="2">DETAILS</th> <th colspan="2">VALUES</th> <th rowspan="2">UNITS</th> </tr> <tr> <th>UNTREATED</th> <th>TREATED</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	SR. NO.	DETAILS	VALUES		UNITS	UNTREATED	TREATED					
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2.7	Give details of the water requirements met from water harvesting? Furnish details of the facilities created.	Water harvesting system will be installed and the harvested water will be used to recharge the ground water.																									
2.8	What would be the impact of the land use changes occurring due to the proposed 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?	<p>Total Runoff from the project site: Prior to Development = 104.01 m³/sec Total Runoff from the project site: After Development = 319.76 m³/sec Hence Incremental Run off = 215.75 m³/sec Capacity of external storm water drains is sufficient to take the runoff from the site. Management plan for Flood is as follows :</p> <ul style="list-style-type: none"> Storm water drain shall be cleaned at regular interval. Mapping the areas within or leading to or out of the buildings that will be water logged, flooded or isolated due to the flood. <p>The areas will be marked after completion of the project (as final ground levels etc. will be available after completion).</p>																									
2.9	What are the impacts of the proposal on the ground water? (Will there be tapping of ground water; give the details of ground water table, recharging capacity, and approvals obtained from competent authority, if any)	<ul style="list-style-type: none"> Ground water table will increase due to proposed recharge pits/Bores. There will not be ground water tapping. 																									
2.10.	What precautions/measures are taken to prevent the run-off from construction activities polluting land & aquifers? (Give details of quantities and the measures taken to avoid the adverse impacts)	<ul style="list-style-type: none"> Proper material stacking and storage will be maintained during rainy season Proposed to channelize the run off in to impervious pit for storage and use. During heavy rainfall, run-off will be drained to the nearest storm water drain. 																									
2.11	How is the storm water from within the site	Internal storm water drains will be constructed strictly in accordance to the governing authority regulations. The storm																									

	managed?(State the provisions made to avoid flooding of the area, details of the drainage facilities provided along with a site layout indication contour levels)	water collected through the storm water drains will be diverted to recharge pits.
2.12	Will the deployment of construction labourers particularly in the peak period lead to unsanitary conditions around the project site (Justify with proper explanation)	<ul style="list-style-type: none"> • During construction phase, temporary toilets with connection to municipal sewers shall be used. Hence there will not be unsanitary conditions around the project site. • Regular segregation and disposal of solid waste generated by these workers shall be as per municipal corporation's practices. • First aid and medical facilities will be provided to all the concerned people working on the site. <p>Proper housekeeping will be maintained throughout the premises.</p>
2.13	What on-site facilities are provided for the collection, treatment & safe disposal of sewage? (Give details of the quantities of wastewater generation, treatment capacities with technology & facilities for recycling and disposal)	<ul style="list-style-type: none"> • Sewage generated:747m³/ day • Treatment capacities: 560 m³& 210 m³ • technology: MBBR • Facilities for recycling: Flushing, Gardening • Disposal: • Surplus Treated waste water: 456m³/ day, Disposed off as per SPCB norms.
2.14	Give details of dual plumbing system if treated waste used is used for flushing of toilets or any other use.	Recycling of treated sewage for flushing with dual plumbing and gardening. Color coding for dual plumbing system shall be done as per standard practices.
3.	VEGETATION	
3.1	Is there any threat of the project to the biodiversity? (Give a description of the local ecosystem with it's unique features, if any)	There is no threat to the biodiversity due to the project under reference.
3.2	Will the construction involve extensive clearing or modification of vegetation? (Provide a detailed account of the trees & vegetation affected by the project)	No
3.3	What are the measures proposed to be taken to minimize the likely impacts on important site features (Give details of proposal for tree plantation, landscaping, creation of water bodies etc along with	There are existing trees which are going to be retained. Project proponents have proposed indigenous species plantation on ground and on the periphery of the project site.

	a layout plan to an appropriate scale)									
4.	FAUNA									
4.1	Is there likely to be any displacement of fauna-both terrestrial and aquatic or creation of barriers for their movement? Provide the details.	No								
4.2	Any direct or indirect impacts on the avifauna of the area? Provide details	No								
4.3	Prescribe measures such as corridors, fish ladders etc to mitigate adverse impacts on fauna	Not Applicable								
5	AIR ENVIRONMENT									
5.1	Will the project increase atmospheric concentration of gases & result in heat islands? (Give details of background air quality levels with predicted values based on dispersion models taking into account the increased traffic generation as a result of the proposed constructions)	<p style="text-align: center;">AVERAGE AMBIENT AIR QUALITY AT THE PROJECT SITE Period: May 2016 Table No.14: Average Ambient Air Quality at the Project Site</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Monitoring Station</th> <th style="text-align: center;">RSPM µg/m³</th> <th style="text-align: center;">SO₂ µg/m³</th> <th style="text-align: center;">NO_x µg/m³</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Base station: Project Site</td> <td style="text-align: center;">72.0</td> <td style="text-align: center;">19.3</td> <td style="text-align: center;">18.1</td> </tr> </tbody> </table>	Monitoring Station	RSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³	Base station: Project Site	72.0	19.3	18.1
Monitoring Station	RSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³							
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5.2	What are the impacts on generation of dust, smoke, odorous fumes or other hazardous gases? Give details in relation to all the meteorological parameters	<p>During construction phase, air borne dust, is the main pollutant, which may be generated during construction activities. Other emissions, SO₂NO_x and CO, due to vehicular movement, construction machinery, etc are expected. However, it will be temporary.</p> <p>Proper upkeep and maintenance of vehicles, sprinkling of water on roads and construction site are some of the measures that would reduce the impact of dust during construction phase.</p> <p>Sources of Air pollution during Operational phase :</p> <ul style="list-style-type: none"> • The gaseous emissions from vehicles. • Emissions from DG set <p>Mitigation Measures:</p> <ul style="list-style-type: none"> • The traffic congestion will be avoided by proper parking arrangement. • Regular PUC checkup for vehicles. <p>CPCB specs DG sets with tall stack. DG set will be maintained properly.</p>								
5.3	Will the proposal create shortage of parking space for vehicles? Furnish details of the present level of transport infrastructure	No. Off Street Parking within Project Site will propose as per Prevailing Development Control Regulations. Project is abutting to 30 mt. wide DP road.								

	and measures proposed for improvement including the traffic management at the entry & exit to the project site	
5.4	Provide details of the movement patterns with internal roads, bicycle tracks, pedestrian pathways, footpaths etc., with areas under each category	Refer master layout indicating Traffic Movement Plan.
5.5	Will there be significant increase in traffic noise & vibrations? Give details of the sources and the measures proposed for mitigation of the above	Insignificant increase in noise level during construction period is expected but it will be for short duration. Post construction, no increase in Noise level is expected.
5.6	What will be the impact of DG sets & other equipment on noise levels & vibration in & ambient air quality around the project site? Provide details	D.G. Sets with inbuilt acoustic enclosures and roof top discharge meeting CPCB specs will be installed. Hence no increase in Noise or vibration is expected. Tree plantation would act as noise barrier and will reduce the noise level.
6.	AESTHETICS	
6.1	Will the proposed constructions in any way result in the obstruction of a view, scenic amenity or landscapes? Are these considerations taken into account by the proponents?	No
6.2	Will there be any adverse impacts from new constructions on the existing structures? What are the considerations taken into account?	No
6.3	Whether there are any local considerations of urban form & urban design influencing the design criteria? They may be explicitly spelt out	No, there are no such local considerations.
6.4.	Are there any anthropological or archaeological sites or artifacts nearby? State if any other significant features in the vicinity of the proposed site have been considered.	No such site in the vicinity

7.	SOCIO-ECONOMIC ASPECTS	
7.1	Will the proposal result in any changes to the demographic structure of local population? Provide the details.	Yes, Expected Population: 6150 Nos. Will give rise to enhancement in economic structure of the area.
7.2	Give details of the existing social infrastructure around the proposed project.	School - The Orbis School – 1.42 Km College - NowrosjeeWadia College - 6.20 Km Hospital - Medi-point Hospital – 3.0 Km
7.3	Will the project cause adverse effects on local communities, disturbance to sacred sites or other cultural values? What are the safeguards proposed?	No
8.	BUILDING MATERIALS	
8.1	May involve the use of building materials with high-embodied energy. Are the construction materials produced with energy efficient processes? (Give details of energy conservation measures in the selection of building materials and their energy efficiency)	No, Pozolona Portland Cement shall be used which contains 15% Fly ash. Construction materials from nearest source are chosen to minimize energy consumption for transportation.
8.2	Transport and handling of materials during construction may result in pollution, noise & public nuisance. What measures are taken to minimize the impacts?	<ul style="list-style-type: none"> • The construction material will be carried in properly covered vehicles. • All the contractors / Vendors will be instructed to use vehicles having PUC certificates. • Security staff presents at site will supervise loading and unloading of material at site. • Construction material will be stored at identified site/ temporary godowns at site. • Internal roads will be maintained in good conditions with regular sprinkling of water 5-meter high tin sheets will barricade the periphery of the plot.
8.3	Are recycled materials used in roads and structures? State the extent of savings achieved?	Yes, Excavated earth and debris will be used as base for road.
8.4	Give details of the methods of collection, segregation & disposal of the garbage generated during the operation phases of the project	<ul style="list-style-type: none"> • Segregation of biodegradable and non biodegradable shall be done at source by means of provision of two garbage bins with different color. • The non biodegradable garbage shall be put into separate bins and shall be handed over to Authorized Agency. • Biodegradable garbage shall be treated in common solid

		waste management plant.
9.	ENERGY CONSERVATION	
9.1	Give details of the power requirements, source of supply, backup source etc. What is the energy consumption assumed per square foot of built-up area? How have you tried to minimize energy consumption?	<p>Power Requirement load 5459 KW</p> <ul style="list-style-type: none"> ● Source: MSEDCL ● Back-Up Source :- 2 DG Sets of 180 KVA (1 nos.) 160 KVA (1 nos.) will be provided <ul style="list-style-type: none"> ▪ Energy Saving Measures ▪ Use of LED & CFL in Parking area, lift-lobby and stair-case. ▪ & Landscape lights with LED lamps. ▪ Using V3F drive for all lifts. ▪ As per MSEDCL requirements, we have planned to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms. ▪ We are planning to attain power factor of the installation near unity. ▪ LED & CFL types of light source are proposed for common Lobby, Lounge, and Staircase area. ▪ Automatic time based controls are proposed for all outside lighting to save power by avoiding manual switching ON & OFF the lights.
9.2	What type of, and capacity of, power back-up to you plan to provide?	<ul style="list-style-type: none"> ● 2 DG Sets of 180 KVA (1 nos.) 160 KVA (1 nos.) ● DG set based as per CPCB Norms.
9.3	What are the characteristics of the glass you plan to use? Provide specifications of its characteristics related to both short wave and long wave radiation?	Single glazed glass will be used.
9.4	What passive solar architectural features are being used in the building? Illustrate the applications made in the proposed project.	Maximize the use of natural lighting through design. Roof insulation for all the spaces. The recommended U-factor for roof shall be 0.409 W/m ² °C.
9.5	Does the layout of streets & buildings maximize the potential for solar energy devices? Have you considered the use of street lighting, emergency lighting and solar hot water systems for use in the building complex? Substantiate with details.	No
9.6	Is shading effectively used to reduce cooling/heating loads? What principles	Design is based on Passive Architectural Considerations.

	have been used to maximize the shading of Walls on the East and the West and the Roof? How much energy saving has been effected?	
9.7	Do the structures use energy-efficient space conditioning, lighting and mechanical systems? Provide technical details. Provide details of the transformers and motor efficiencies, lighting intensity and air-conditioning load assumptions? Are you using CFC and HCFC free chillers? Provide specifications.	<p>Yes</p> <p>Following Energy conservation measures are proposed for Energy Saving:</p> <ul style="list-style-type: none"> ▪ Use of LED & CFL in Parking area, lift-lobby and stair-case. ▪ Using V3F drive for all lifts. ▪ As per MSEDCL requirements, we have planned to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms. ▪ We are planning to attain power factor of the installation near unity. ▪ LED & CFL types of light source are proposed for common Lobby, Lounge, and Staircase area. ▪ Automatic time based controls are proposed for all outside lighting to save power by avoiding manual switching ON & OFF the lights.
9.8	What are the likely effects of the building activity in altering the micro-climates? Provide a self assessment on the likely impacts of the proposed construction on creation of heat island & inversion effects?	No impact anticipated on micro-climate. No inversion or heat island effect expected.
9.9	What are the thermal characteristics of the building envelope? (a) roof; (b) external walls; and (c) fenestration? Give details of the material used and the U-values or the R values of the individual components.	<ul style="list-style-type: none"> • Roof insulation for all the spaces. • The U-factor for roof shall be 0.409W/m²-°C and 0.44 W/m²-°C for walls
9.10	What precautions & safety measures are proposed against fire hazards? Furnish details of emergency plans	<ul style="list-style-type: none"> ➤ As per the regulations of CFO NOC ➤ Provision of Fire Protection System. ➤ Provision of Fire Alarm System as per I.S code. ➤ Provision of Fire detection system. ➤ Provision of Wet risers, Fire hydrants, Fire pumps, booster pumps, sprinkler pumps: Electric, supply independent circuit & fire hydrant line. ➤ Provision of portable fire extinguishers of IS specification. ➤ Provision of Automatic sprinkler system. ➤ Provision of refuge area. ➤ Adequate underground and overhead separate water storage tanks.

9.11	If you are using glass as wall material provides details and specifications including emissivity and thermal characteristics.	No, Glass shall be used only for glazing work- for windows Only.						
9.12	What is the rate of air infiltration into the building? Provide details of how you are mitigating the effects of infiltration	Design is based on Passive Architectural Considerations and Features.						
9.13	To what extent the non-conventional energy technologies are utilized in the overall energy consumption? Provide details of the renewable energy technologies used.	Provision of Solar for common area lighting will reduce 21% of Overall Energy Consumption.						
10.	<p>ENVIRONMENT MANAGEMENT PLAN</p> <p>The Environment Management Plan would consist of all mitigation measures for each item wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of 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 site including fire.</p> <p>The Environment Management Plan would consist of all mitigation measures for each activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of 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 site including fire.</p> <p style="text-align: center;">ENVIRONMENTAL IMPACTS AND MANAGEMENT PLAN</p> <p>EMP for Construction Phase</p> <table border="1"> <thead> <tr> <th>Attribute</th> <th>Construction Phase</th> </tr> </thead> <tbody> <tr> <td>1. Water Regime</td> <td> <ul style="list-style-type: none"> • Install water meters, take readings routinely, record in the register and check to avoid water wastage. If wastage is more report to the management for caution & correct • To provide septic tanks to the construction workers and staff on site and to look after its operational & maintenance, take periodical sample to assess the quality, record & report for any abnormality & rectification. • Potable water will be provided for workers and staff. • Keep a daily watch to avoid sanitation / drains, & good housekeeping. • Sedimentation of outside drains avoided by using screens and silt traps. • To examine proper management of channelization of water to avoid water logging at site. </td> </tr> <tr> <td>2. Air</td> <td> <ul style="list-style-type: none"> • Ensure water sprinkling for dust suppression will be used during excavation and the record for the same </td> </tr> </tbody> </table>		Attribute	Construction Phase	1. Water Regime	<ul style="list-style-type: none"> • Install water meters, take readings routinely, record in the register and check to avoid water wastage. If wastage is more report to the management for caution & correct • To provide septic tanks to the construction workers and staff on site and to look after its operational & maintenance, take periodical sample to assess the quality, record & report for any abnormality & rectification. • Potable water will be provided for workers and staff. • Keep a daily watch to avoid sanitation / drains, & good housekeeping. • Sedimentation of outside drains avoided by using screens and silt traps. • To examine proper management of channelization of water to avoid water logging at site. 	2. Air	<ul style="list-style-type: none"> • Ensure water sprinkling for dust suppression will be used during excavation and the record for the same
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		<p>will be keep and report will be submitted to management.</p> <ul style="list-style-type: none"> • Ensure the use of covering sheets, on the material being transported incoming or outgoing or stored. Make adequate arrangement for such sheets by anticipations. • Arrange use of ready mix concrete (RMC) through concrete batching at a place secluded, barricaded by trees and precautions taken of dust suppression by sprinkling. Logbooks to be maintain for journey of the RMC trucks. When the trucks are washed, ensure that the waste water send for reuse or treatment. • For use as backup power DG sets to be procured from renowned suppliers with acoustic enclosures and foundation is to be laid as per suppliers specification as per CPCB norms for its stack height. • Adequacy of parking provision will be provided near project site and proper traffic arrangement for the construction vehicles including instance of their PUC. • Labour camp will be arranged away from project site and to be instructed that open burning of solid waste will be prohibited. • Prepare in consultation with sub contractors, a list for regular weekly checkup of the workers and keep its record including any remediation steps if necessary. • Use of the standard personal protective equipments like -mask and other personnel gazettes like goggles, gum boots & helmets for workers.
	3. Solid Waste	<ul style="list-style-type: none"> • Segregated garbage will be handed over to Authorized contractor. Of PMC • Proper covering for to prevent damages due to water seepages at godowns especially Cement, Plywood etc • The contractors should collect the empty drums of paints, pesticides & tubes at one place & send to authorized CHWTSDF site. Include this condition in the agreement to be signed as it is his responsibility.
	4. Noise	<ul style="list-style-type: none"> • Location for Noise level monitoring will be done as per MPCB norms • Noise level monitoring will be done daily. • To make provision of ear plugs for construction labour and staff & insist its use. • There shall be no noisy work in night shift. • To ensure Provision of barricades along the periphery of the site • To obtain guidance from the suppliers & maintain acoustic enclosure for DG sets.
	5. Soil & Greening	<ul style="list-style-type: none"> • Anticipate where the excavation is going to commence and in advance take a laboratory test of its top soil to ensure whether it is capable to support tree plantation.

		<ul style="list-style-type: none"> • The excavated material will kept at project by covering polyethylene sheets. • Avoid excavation during high windy and heavy monsoon day. • Make proper calculation as to where this excess excavation should be used either within the premises or off site or as disposal. This to be quantified in consultation with subcontractor in advance. • Anticipate the rains and see that no water logging takes place as also a need to keep traps on storm water drain. • Sapling will be purchase from nursery and planted along project site boundary. Regular watering will be done.
6.	Socio Economics	<ul style="list-style-type: none"> • During Initial Phase of the project ,information regarding the proposed development plan should be communicated to the local community in the form of booklets and posters on road at various location of Pune city • Provision of adequate drinking water, toilet and bathing facilities should be made available on project site for construction labours. • Water shall be sprinkle/spread to suppress dust during construction phase to control air pollution and thereby avoid adverse health impact • Proper living condition with appropriate facilities for residential labours should be provided • Proper Training and awareness programme should be carried out so that the workers understand the importance of wearing the personal protective equipment's. • First aid and medical facilities • Arrangement of Day care facility/crèche • Proper precaution to prevent any accident. • Provision of mask to workers that can prevent inhalation of dust.

Note: Environmental monitoring plan will be prepared based on Environmental Management All environmental parameters will be studied as and when required and based on analysis mitigation measures will be implemented.

Environmental Management Plan for Hazardous Waste Generation

Construction Phase:

Sr. No.	Source of Hazardous Waste Generation	Mitigation Measures
1	Leakages and spillage oil or fuel	<ul style="list-style-type: none"> * Contaminated soil if any shall be disposed off to Authorized Disposal Site. * Bituminous materials /any other chemicals shall not be allowed to leach into the soil.

Operational Phase:

1	Residual Paints/Solvents	--do--
2	Waste Oil from D.G Sets	Waste oil will be handed over to authorized recyclers.
Other hazardous wastes, if any, shall also be handled in the similar way through authorized dealers only.		