

**“Proposed Panvel Township”
at Village Vardoli Panvel Raigad Maharashtra by
M/s Wadhwa Construction & Infrastructures Pvt. Ltd.**

May 2017



FORM 1

Proposed Panvel Township at Panvel, Raigadh,
Maharashtra
Sector 8 (B1) Category Project

Submitted to

Expert Appraisal Committee (EAC), Mumbai Maharashtra

Environmental Consultant



Building Environment (India) Pvt. Ltd
Dakshina Building, Office No-401,4th Floor,
Beside Raigadh Bhavan, Sakal Bhavan Rd,
Sector 11, CBD Belapur,
Navi Mumbai, Maharashtra 400614

Web: www.beipl.co.in

Submitted by

**M/s Wadhwa Construction and
Infrastructure Pvt Ltd**

3rd Floor, Platina, BKC,
Mumbai – 400051,
Maharashtra (India)

May 2017

FORM 1**(I) Basic Information**

S. No.	Item	Details
1.	Name of the project/s	Proposed Wadhwa Panvel Integrated Township by M/s Wadhwa Construction and Infrastructure Pvt Ltd at in Village Vardoli of Panvel, Raigad, Maharashtra.
2.	S. No. of the schedule	8 (B1)
3.	Proposed capacity/ area/ length/ tonnage to be handled/ command area/ lease area/ lease area/ number of wells to be drilled	Total Plot Area: 113157.80 Sq. m Construction BUA: 425117.93Sq.m The Prevailing FSI Rules will be complied with.
4.	New/ Expansion/ Modernization	New Project
5.	Existing Capacity/ Area etc.	Not Applicable (NA)
6.	Category of Project i.e. 'A' or 'B'	8 (B1)
7.	Does it attract the general condition? If yes please specify	Not Applicable
8.	Does it attract the specific condition? If yes please specify	Not Applicable
9.	Location	The subject property is located in Village Vardoli Panvel, Raigad, Maharashtra. It falls out of the municipal limits of Panvel town in Raigad RP boundary. It is located adjacent to Panvel – Matheran Road at a distance of around 5.46 km. Key map showing the location for the proposed development is attached as Annexure I . The geographical coordinates of the site are given below: Latitude: 18°57'27.87"N Longitude: 73°11'30.84"E
	Village	Village Vardoli
	Tehsil	Panvel
	District	Raigad
	State	Maharashtra
10.	Nearest Railway Station/ Airport alongwith distance in kms.	<ul style="list-style-type: none"> } Panvel Railway Station at a distance of about 8 km. } Mohape Railway Station at distance of about 1.38 km. } Rasayani Railway Station at distance of about 6.7 km
11.	Nearest Town, city, District Headquarters	} Panvel lies at a distance of ~8 km



	along with distance in kms.	
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Panvel Municipal Corporation Panvel, Navi Mumbai, Maharashtra 410206
13.	Name of the Applicant	M/s Wadhwa Construction & Infrastructures Pvt. Ltd.
14.	Registered Address	M/s Wadhwa Construction & Infrastructures Pvt. Ltd. 3rd Floor, Platina, Plot C-59,G-Block, BKC, Bandra (East) Mumbai-400051
15.	Address for correspondence	M/s Wadhwa Construction & Infrastructures Pvt. Ltd. 3rd Floor, Platina, Plot C-59,G-Block,BKC,Bandra (East)Mumbai-400051
	Name	Mr. Gurudatta Deshmukh
	Designation (Owner/ Partner/ CEO)	Head Infrastructure
	Address	M/s Wadhwa Construction & Infrastructures Pvt. Ltd. 3rd Floor, Platina, Plot C-59,G-Block,BKC,Bandra (East)Mumbai-400051
	Pin Code	400 051
	E-mail	gurudatta.deshmukh@thewadhwagroup.com
	Telephone No.	022-67308400
	Fax No.	022-67308401
16.	Details of alternative Sites examined, if any Location of these sites should be shown on a topo sheet	Not Applicable
17.	Interlinked Projects	Not Applicable
18.	Whether separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	Not Applicable
21.	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. (i) The Forest (Conservation) Act, 1980. (ii) The wildlife (Protection) Act, 1972 (iii) The C.R.Z. Notification, 1991	Part of the project plot area lies in Forest Zone. Total 0.8 Ha of Forest Land will be utilized for project purpose. Necessary NOC will be obtained from Forest department.
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	No
23.	Forest Land involved (hectares)	Total 0.8 Ha of Forest Land will be utilized for project purpose. Necessary NOC will be obtained from Forest department.
24.	Whether there is any litigation pending	--



	<p>against the project and/ or land in which the project is propose to be set up?</p> <p>(a) Name of the court</p> <p>(b) Case No.</p> <p>(c) Orders/ directions of Court, if any and its relevance with the proposed project.</p>	
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(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No.	Information/ Checklist	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	<p>The site almost flat and has slightly hilly terrain on east side. After the development there will be permanent change in land use. There will be commercial, residential buildings, educational and Hospital Buildings, sports complex along with recreational development. Hence the land use pattern will change.</p> <p>There will be changes in the topography as the natural topography would be used for the development to the extent possible.</p> <p>Proposed master plan is attached as Annexure II.</p>
1.2	Clearance of existing land, vegetation and buildings?	Yes	Tree cutting will be occurred and only few structures on site are expected to demolish.
1.3	Creation of new land uses?	Yes	The project will create new land uses for the site. There will be commercial, residential buildings, educational, sports complex and Hospital Buildings along with recreational development.
1.4	Pre-Construction investigations e.g. bore houses, soil testing?	Yes	Planned to carry out necessary geotechnical investigations including borelogs, soil test etc. in the proposed site.
1.5	Construction works?	Yes	The proposed Township development involves Towers (Commercial and Residential), Hospitals, College, Senior Living Community Hall, Schools, Sports Academy, Railway station.
1.6	Demolition works?	Yes	Only few structures on site are expected to demolish.
1.7	Temporary sites used for construction or housing of construction works?	Yes	The proposed development will have site office on the site itself. Local labor from surrounding villages will be employed for the proposed development. Still temporary labour camps will be created during peak construction activity.



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
1.8	Above ground buildings, structures, cut or fill or excavations	Yes	Cutting and filling shall be done as site is little undulating on East side. Rest of the project plot is almost flat. All the excavated materials shall be used on the site itself. No external material is envisaged for any filling purpose.
1.9	Underground works including mining or tunneling?	No	Not Applicable
1.10	Reclamation works?	No	Not Applicable
1.11	Dredging?	No	Not Applicable
1.12	Offshore Structures?	No	Not Applicable
1.13	Production and manufacturing processes?	No	No production and manufacturing processes are involved since it is a construction/development project.
1.14	Facilities for storage of goods or materials?	Yes	A temporary shed will be provided for the storage of materials during construction as per the requirement for the goods, which cannot be stored in open space.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>WASTEWATER: Total 6174 KLD Wastewater is expected from the Township development (Residential) which will be treated in Sewage Treatment Plant (STP) of suitable technology at plot levels Total treated waste water of 18,758 KLD is expected which will be reused and recycled for non potable purpose like gardening, flushing and Car washing (and HVAC if proposed).</p> <p>SOLID WASTE: Solid waste generated by the proposed project will comprise of both wet and dry waste.</p> <p>Source segregation is proposed for recyclables (30%) and the other waste would be treated and disposed as per MSW Rules. The solid waste will be treated with the help of suitable technology in compliance with the site conditions.</p> <p>The waste management would focus on segregation of waste at source. Biodegradable fraction of solid waste would be treated by using suitable and feasible technology. The treated solid waste as manure will be used on for horticulture. Non biodegradable waste will be segregated again into inert and recyclable then it will be handed over to local authorized agencies.</p> <p>a. Biodegradables:-61 TPD b. Non-biodegradable waste:27 TPD</p>
1.16	Facilities for long term housing of operational workers?	Yes	It would be an integrated Township with all the facilities.



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
1.17	New road, rail or sea trafficking during construction or operation?	No	Existing rail line at nearest point to site and existing approach road to site will be utilized with required extensions/ modifications and/ or rerouting. New RUB is proposed.
1.18	New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	The integrated township will be developed taking into consideration of all infrastructure components.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The integrated township will be developed taking into consideration of all infrastructure components.
1.20	New or diverted transmission lines or pipelines?	Yes	The integrated township will be developed taking into consideration of all infrastructure components.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of neither watercourses nor aquifers?	No	The site is in the vicinity of water bodies. Minor alterations to the surface hydrology will be carried out without altering inflow or outflow of surface water courses.
1.22	Stream crossings?	Yes	It will involve stream crossing
1.23	Abstraction or transfers of water from ground or surface water?	Yes	The site is in the vicinity of water bodies. Water will be supplied to the city by Maharashtra Jeevan Pradhikaran.
1.24	Changes in water bodies or the land surface affecting drainage or run off?	Yes	The project will involve construction of paved and concrete areas and hence the quantity of runoff will increase due to reduced infiltration. The quality of runoff will improve. It will be collected through a well-designed storm water network planned within the premises of the proposed development. Thus, the project will not materially affect the drainage or runoff in the area. The project design will use the existing water bodies for Rainwater harvesting and storage. Also, the run-off would be mitigated by rainwater recharge pits and drains.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transport of construction materials from nearby sources to construction work area during construction phase of the project.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not envisaged
1.27	Ongoing activity during decommissioning, which could	No	Not Applicable



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
	have impact on the environment?		
1.28	Influx of people to an area in either temporarily or permanently?	Yes	The influx of construction workers will be temporary while during operation phase there will be influx of residents, office staff, workers etc. Estimated population during operation phase would be about 49000 for Special Township and 33534 for residential plots and 4711 for nonresidential plots at Building level.
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not envisaged
1.31	Any other actions?	No	Not Applicable

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply)

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural (ha)	Yes	465622.29sq.m (net plot area) of land have been acquired and will be developed as an Integrated Township.
2.2	Water (expected source & competing users) unit: KLD	Yes	The site is in the vicinity of water bodies. Water will be supplied to the city by Maharashtra Jeevan Pradhikaran. The estimated total water requirement expected for the project would be about 8588KLD at Township level purpose. And 4750KLD at Building level(Residential and Commercial plots)
2.3	Minerals (MT)	Yes	Not Applicable



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data																																				
2.4	Construction material- stone, aggregates, and/ soil (expected source- MT)	Yes	<p>Stone, soil, sand etc. will be sourced from the nearby availability. Approximate quantity will be as following;</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cement</td> <td>Bags</td> <td>1684215</td> </tr> <tr> <td>2</td> <td>Sand</td> <td>cu.m</td> <td>140652</td> </tr> <tr> <td>3</td> <td>Aggregates</td> <td>cu.m</td> <td>209174</td> </tr> <tr> <td>4</td> <td>Steel</td> <td>MT</td> <td>20665</td> </tr> <tr> <td>5</td> <td>Formwork</td> <td>sq.m</td> <td>2302361</td> </tr> <tr> <td>6</td> <td>Concrete</td> <td>cu.m</td> <td>234059</td> </tr> <tr> <td>7</td> <td>Fly Ash (RMC) (% of fly ash in RMC 18-20 %)</td> <td>MT</td> <td>23406</td> </tr> <tr> <td>8</td> <td>Form work (Shuttering material servicable upto 8 times)</td> <td>sq.m</td> <td>287795</td> </tr> </tbody> </table>	Sr. No.	Description	Unit	Quantity	1	Cement	Bags	1684215	2	Sand	cu.m	140652	3	Aggregates	cu.m	209174	4	Steel	MT	20665	5	Formwork	sq.m	2302361	6	Concrete	cu.m	234059	7	Fly Ash (RMC) (% of fly ash in RMC 18-20 %)	MT	23406	8	Form work (Shuttering material servicable upto 8 times)	sq.m	287795
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2.5	Forest and Timber (source –MT)	Yes	Timber shall be used for wooden work in office and in residential buildings which shall be procured from local vendors.																																				
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), Energy(MW)	Yes	<p>MSEDCL will be main source of electricity. The load of 50MW power supply is sanctioned by MSEDCL, Navi Mumbai</p> <p>Power back up facility for emergency services will be proposed with D.G. sets of various capacities.</p>																																				
2.7	Any other natural resources (use appropriate standard units)	No	Not Applicable																																				

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data.
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, Fauna, and water supplies)?	Yes	The Hazardous substances used during different phases of project would be paints, solvents, varnishes and waste oil, paints, cleaners, batteries and pesticides and petroleum products., Asbestos containing Dust, Glass, Plastics, steel are used .The quantity of waste generated would be very low The waste oil generated from DG sets will be stored in sealed containers and will finally be sold to authorized recycling agency. Other hazardous waste will be handled as per



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data.
			Hazardous Waste Handling (2003)rules.
3.2	Changes in occurrence of diseases or affect disease vectors (e.g. insect or waterborne diseases)?	No	Not envisaged
3.3	Affect the welfare of people e.g. by changing living condition?	Yes	The commercial and residential development is expected to gain in substantial manner which is expected to have positive impact on the living conditions of local population.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	Not Applicable
3.5	Any other causes	No	Not Applicable



4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information
4.1	Spoil, overburden or mine wastes	No	Not Applicable.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Inorganic waste generated during the construction phase like waste concrete, mortar, left over aggregate and debris etc shall be recycled for use in the base layers of paved area i.e. parking pavement. The overall impact of waste disposal during construction phase is insignificant. According to estimation, approximately 88 MT of solid wastes would be generated during operational phase of the project.
4.3	Hazardous waste (as per Hazardous Waste Management Rules)	Yes	The Hazardous substances used during different phases of project would be paints, solvents, varnishes and waste oil, paints, cleaners, batteries and pesticides and petroleum products., Asbestos containing Dust, Glass, Plastics, steel are used. The quantity of waste generated would be very low The waste oil generated from DG sets will be stored in sealed containers and will finally be sold to authorized recycling agency. Other hazardous waste will be handled as per Hazardous Waste Handling (2003) rules.
4.4	Other industrial process wastes	No	Not Applicable
4.5	Surplus product	No	Not Applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	1.5 T/day sewage sludge is expected from Special Township and . Sewage sludge from effluent treatment can be used for gardening or can be transported as manure to nearby villages for agriculture land.
4.7	Construction or demolition wastes	No	The construction debris will be collected and suitably used on site for leveling purpose. Some of the debris would be converted into building blocks by using appropriate technology.
4.8	Redundant machinery or equipment	No	Not Applicable
4.9	Contaminated soils or other materials	No	Not Applicable
4.10	Agricultural wastes	No	Not Applicable
4.11	Other solid wastes	No	Not Applicable





5. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/m³):

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	<p>Stationary Source: D.G. sets As per the CPCB standard sulphur content in HSD for commercial use after year 2005 shall be 0.05%. Thus, the sulphur content of HSD is only a conservative value and the sulphur content shall always remain below this limit.</p> <p>Mobile Source: Vehicular movement The major pollutant due to vehicular movement will be CO. The maximum atmospheric concentrations of CO due to the proposed traffic generation on the site with no control measures will be 1.2 PPM.</p>
5.2	Emission from production Process	No	Not Applicable
5.3	Emission from materials handling including storage or transport	Yes	Temporally spatially limited impact of dust emission is anticipated from the construction material movement. Proper safety and control measures will be adopted to avoid any emissions during storage and transport of materials.
5.4	Emission from construction activities including plant and Equipment	Yes	<p>There will be some emission from construction activities. However, these emissions will last for a very short period and the same will be temporary & restricted within the plant boundary.</p> <p>The emissions from construction activities have been estimated using an emission factor of 1.2 ton SPM/month/acre as per AP-42 Section 13.2.3.3 (US EPA, 1995).</p> <p>The overall SPM emission from the area source with no control is expected to be 1.144×10^{-4} g/m²/s.</p>
5.5	Dust or odours from handling of materials including construction materials, Sewage and waste	Yes	<p>Dust emission will be temporary only during construction phase of the project and restricted within the plant boundary. Dust suppression would be carried out during this phase by water spraying.</p> <p>During construction phase, proper sanitation would be provided to the construction workers and during operation phase the STP would be provided. There would be a proper solid waste treatment and disposal facility for municipal waste. All the waste treatment facilities (STP and SWM) will adhere to the CPCB norms for emissions and odor.</p> <p>Odor is not envisaged from any other sources.</p>
5.6	Emissions from incineration of waste	No	Not Applicable



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not Applicable
5.8	Emissions from any other sources	No	Not Applicable

6. Generation of Noise and Vibration, and emissions of Light and Heat:

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	<p>The noise & vibrations will be generated from construction equipments on site. The average noise levels in dB(A) from equipments are as given below:</p> <ul style="list-style-type: none"> i) Earth moving <ul style="list-style-type: none">) Front end loader: 88) Back Hoe: 86.5) Bull Dozer: 96) Roller: 90) Scraper: 96) Grader: <85) Truck: 96) Paver: 101 ii) Material Handling <ul style="list-style-type: none">) Concrete mixer: <85) Concrete Pump: <85) Crane: 100 iii) Power units <ul style="list-style-type: none">) Generators: <85) Compressors: <85 iv) Others <ul style="list-style-type: none">) Power Saw: 88.5) Electric drill: 102 <p>However, all the equipments will be kept in temporary acoustic enclosures which will be as per approved designs of Central Pollution Control Board (CPCB) and hence the noise will be well within permissible standards.</p>
6.2	From industrial or similar processes	No	The proposed development will not involve any industrial process
6.3	From construction or demolition	Yes	Noise generated during the construction will be temporary and it will not exceed 88 dB(A) (noise level for jackhammer). All the construction equipments will be kept in temporary acoustic enclosures which will be as per approved designs of Central Pollution Control Board (CPCB).
6.4	From blasting or piling	No	Not Applicable
6.5	From construction or operational	Yes	The project may contribute traffic growth and thus



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
	traffic		increased noise level associated with it during the construction & operational stage. However, it will not pose significant negative impact because measures for proper traffic management will be followed.
6.6	From lighting or cooling systems	Yes	Noise generation from D.G. sets / lighting and cooling system will be around 75 dB (A).
6.7	From any other sources	No	Not Applicable

7. Risks of contamination of land or water from release of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
7.1	From handling, storage, use or spillage of hazardous materials	No	The significant hazardous material would be the varnishes, paints, solvents, Asbestos products insulation, tiles etc; Tar and Tar Products (bitumen, felt, water proofing compounds), chemicals, admixtures, sealents, adhesives, paints, pigments, dyes and primers, Tarpaulin, Plastics, batteries, electronic parts etc and waste oil from DG sets. However, the hazardous material will be handled as per the Hazardous Waste (Management & Handling) Rules, 2003. Also the waste oil from DG set the waste oil will be stored in sealed containers and will be sold to authorized recycling agents.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	There will be provision of STPs of adequate capacity and suitable technology on the site conditions and requirement to treat the wastewater generated in the operational phase of the project. Treated wastewater will be utilized on site for secondary purposes like flushing and landscaping horticulture purposes. If The extra effluent still remains, it will be supplied to nearby villagers for land irrigation requirement.
7.3	By deposition of pollutants emitted to air into the land or into the water	Yes	Air pollutants are not envisaged. Only treated sewage meeting MPCB norms will be discharged or as per the EC criteria.
7.4	From any other sources	No	Not Applicable
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	Not Applicable



8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment:

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with the source of information.
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	Due care will be taken to avoid & prevent occurrence of such events.
8.2	From any other causes	No	Proper Environmental, Health & Safety (EHS) measures will be followed at the site for the well being of workers and other people present at the site.
8.3	Could the project be affected by natural disaster causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	The project lies in Seismic zone III. All the construction work will meet the safe structure requirement for this Seismic zone. The project site is safe from floods and landslides.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality:

S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with the source of information.
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:	Yes	The Proposed Project is envisaged to become a City of Opportunity that prides in providing: Employment, Accommodation, Education, Health and Sport Facility.
) Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	Yes	Proposed project will lead to enhancement in the infrastructure of the area. It will involve up grading and street lighting of the approach road. It will also lead to enhancement of the communication facilities in the area.
) Housing development	Yes	The proposed development will lead to development of Residential and commercial activities in the area and thus will increase the demand for residential and Commercial units. It will attract developers to come up with new housing and Commercial projects.
) Extractive industries	} Yes	With the proposed development, supporting units may come up in the nearby areas. It would lead to development of hospitality, commercial, retail etc and will also increase the transportation facility in the area.
) Supply industries		
) Other		



S. No.	Information/ Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with the source of information.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not envisaged
9.3	Set up precedent for later developments	Yes	This will definitely set up as a model for later developments in nearby areas because this will be developed as an environment-friendly integrated township. This will be developed with the objective with sustainable development in order to maintain the delicate balance between the social, economic & environmental concerns. Project aims at providing better housing & amenities to people. It will set an example for other similar projects.
9.4	Have cumulative effects due to proximity to other existing or planned projects which similar effects	No	Not envisaged



(III) Environmental Sensitivity

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) from Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	Matheran Morbe dam Pali dam Karnala Sanctuary	7 km 6.69km 11.28km 8 km
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Matheran Morbe dam Pali dam Karnala Sanctuary	7 km 6.69km 11.28km 8 km
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	
4	Inland, coastal, marine or underground waters	No	
5	State, National boundaries	No	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	
7	Defense installations	INS, Shivaji, Lonavala	28 km
8	Densely populated or built-up area	Khandala Lonavala	26 km 28 km
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Fire Brigade Panvel	8.13km
		D.D. Vispute College	6.9km
		Change kana thakur school and college	7.43km
		Kendriya Vidyalay ONGC	7.27km
		Dombala college	10.3km
		Panchmukhi shri Hanuman Mandir	8.29km
		Pillais Educational Institute	7.0km
		Dhirubhai ambani Hospital	6.33km
		Kalpatatru child and mother care hospital	5.8km
		Mohpada post office	5.7km
		Panvel post office	8.19 km
		Panvel police	8.9km



S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) from Proposed project location boundary
		station	
		Rasayni Police station	6.72km
		Panvel railway station	7.96km
		Rasayni railway station	6.7km
		Mohape railway station	1.2km
		Chhatrapati Shivaji International Airport	36.71km
		Navi Mumbai international airport	12.14km
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Morbe Dam	6.69km
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	Not Applicable
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	Yes	The site lies in Seismic Zone III and is susceptible to a maximum intensity of around MSK VII.



“I hereby give undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.”

Date:

Place:

