FORM – 1

RESIDENTIAL PROJECT

At

Plot bearing Gut No. 45/2, 46/2, 47, 48, 49/9, 49/10, 49/11, 49/12, 49/13, 49/14, 50, near MIDC, Village Mankivali, Badlapur

By

M/s. Panvelkar Infrastructures Pvt. Ltd.

2nd Floor, Nandi Commercial Complex, Shivdham, Opp. DNS Bank, Ambernath (East)

APPENDIX - I
(See paragraph - 6)
FORM 1

(I) Basic Information

Sr.	Item	Details
1.	Name of the project/s	**Residential development** at Badlapur
2.	S. No. in the schedule	8 (B2)
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	**Total Plot Area: 36495** Sq. mt. **Deductions: 5762.19** Sq. mt. **Net Plot Area: 30732.81** Sq. mt. **Built-up Area as per FSI: 59760.36** Sq. mt. **Total Construction Built -up Area: 76703.25** Sq. mt. **Project Proposal: Total 16 Nos. of Residential Buildings** **2 nos. of Buildings:** Ground + 7 floors each — Flats: 1736 nos. **14 Nos. of buildings:** Ground/Stilt + 10 floors each
4.	New/Expansion/Modernization	New
5.	Existing Capacity/ Area etc.	Not Applicable
6.	Category of project i.e.' A' or 'B'	8 (B2)
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	Badlapur
	Plot/Survey/Khasra No.	Gut No. 45/2, 46/2, 47, 48, 49/9, 49/10, 49/11, 49/12, 49/13, 49/14, 50
	Village	Mankivali
	Tehsil	Ambarnath
	District	Thane
	State	Maharashtra
10.	Nearest railway station Nearest airport	Badlapur Railway Station : Approx. 2 within km (Road distance) Mumbai Chhatrapati Shivaji International Airport: Approx. within 53.00 km (Road distance)
11.	Nearest Town, city, District headquarters along with distance in kms.	Badlapur
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal address with telephone nos. to be given)	Kulgaon Badlapur Municipal Corporation (KBMC)
13.	Name of the applicant	**M/s. Panvelkar Infrastructures PVT. LTD.**
14.	Registered Address	2nd Floor, Nandi Commercial Complex, Shivdham Society, Opp. DNS Bank, Station road, Ambernath (East) - 421501
15.	Address for correspondence	2nd Floor, Nandi Commercial Complex, Shivdham Society, Opp. DNS Bank, Station road, Ambernath (East) - 421501
	Name	Mr. Rahul V. Panvelkar
	Designation(Owner/Partner/ CEO)	Director
	Address	2nd Floor, Nandi Commercial Complex, Shivdham Society, Opp. DNS Bank, Station road, Ambernath (East) - 421501
	Pin Code	421501
	E-mail	rahulpanvelkar84@yahoo.com

Sr.	Item	Details
	Telephone No.	0251-2600031/34, 0251-2606214, 0251-2606414
	Fax No.	--
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.	
a)	The Forest (Conservation) Act, 1980?	Not Applicable
b)	The Wildlife (Protection) Act, 1972?	Not Applicable
c)	The C.R.Z Notification, 1991?	Not Applicable
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	Not Applicable
23.	Forest land involved (hectares)	Not Applicable
24.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Order /directions of the Court, if any and its relevance with the proposed project.	Not Applicable

(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.)

Sr. No.	Information/Checklist confirmation	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)	No	Site is an open land and will be developed into Residential development
1.2	Clearance of existing land, vegetation and building?	No	--
1.3	Creation of new land uses?	No	--
1.4	Pre-construction investigation e.g. bore houses, soil testing?	Yes	Geotechnical Investigation shall be carried out
1.5	Construction works?	Yes	Residential development
1.6	Demolition works?	No	--
1.7	Temporary sites used for construction works or housing of construction workers?	No	--
1.8	Above ground building, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavated earth shall be partly reused on site and partly disposed to authorized landfill site with permission of KBMC.

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
			Construction waste generated during construction activity shall be partly reused on site and partly disposed to authorized landfill site with permission of KBMC.
1.9	Underground works including mining or Tunneling?	No	--
1.10	Reclamation works?	No	--
1.11	Dredging?	No	--
1.12	Offshore structures?	No	--
1.13	Production and manufacturing processes?	No	--
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage facilities to store the construction raw material
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	• STP for treatment of sewage • Solid waste will be segregated into non biodegradable and biodegradable garbage • Biodegradable waste will be treated in Organic Waste Converter and the non-biodegradable waste will be segregated into recyclable & non recyclable. Non-Recyclable waste will be handed over to KBMC and recyclable waste will be handed over to recyclers • Dried sludge from STP will be used as manure
1.16	Facilities for long term housing of operational workers?	No	--
1.17	New road, rail, or sea traffic during construction or operation?	No	--
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	--
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic Movements?	No	--
1.20	New or diverted transmission lines or pipelines?	No	--
1.21	Impoundment, damming, culverting, realignment or other change to the hydrology of watercourses or aquifers?	No	--
1.22	Stream crossings?	No	--
1.23	Abstraction or transfers of water from ground or surface waters?	No	--
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	By considering the runoff prior to development and runoff after development there is some increment in runoff of storm water. Incremental Runoff = 0.39 m^3/sec
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transport of construction materials. Precautions taken to reduce the impact of the vehicular movement by trying to avoid the vehicular trips during peak hours.

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.26	Long-term dismantling or decommissioning or restoration works?	No	--
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	--
1.28	Influx of people to an area in either temporarily or permanently?	Yes	There will be influx of 8680 persons
1.29	Introduction of alien species?	No	--
1.30	Loss of native species or genetic diversity?	No	--
1.31	Any other actions?	No	--

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):

<table>
<tr><th>Sr. No.</th><th>Information/checklist confirmation</th><th>Yes / No</th><th>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</th></tr>
<tr><td>2.1</td><td>Land especially undeveloped or agricultural land (ha)</td><td>No</td><td>The land is in developed infrastructure area.</td></tr>
<tr><td>2.2</td><td>Water (expected source & competing users) unit : KLD</td><td>Yes</td><td>During Construction Phase –
For Workers : From KBMC: 23 KLD
For Construction: From Water tankers: 20 - 30 KLD (Depending upon the activity)

During Operational Phase –
Fresh water from KBMC (Domestic): 781 KLD</td></tr>
<tr><td>2.3</td><td>Minerals (MT)</td><td>No</td><td>--</td></tr>
<tr><td>2.4</td><td>Construction material – stone, aggregates, and / soil (expected source – MT)</td><td>Yes</td><td>Quantity : As per requirement
Stone aggregates demand will be met from the clay/soil generated after excavation and from open market
Sources: The material required for construction activities shall be procured from company’s authorized / approved vendors only. The vendor’s performance will be monitored periodically. In case of urgency or non-availability of materials from authorized/approved vendors, it will be procured from the open market.</td></tr>
<tr><td>2.5</td><td>Forests and timber (source – MT)</td><td>Yes</td><td>Timber required for doors sourced from local suppliers.</td></tr>
<tr><td>2.6</td><td>Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)</td><td>Yes</td><td>During Construction Phase -
Maharashtra State Electricity Distribution Company Ltd. (MSEDCL) :100 KW

During Operational Phase –
Source: Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
<table>
<tr><td>Connected load</td><td>7337 KW</td></tr>
<tr><td>Maximum demand</td><td>4769 KW</td></tr>
<tr><td>D.G sets (In case of emergency backup during power failure)</td><td>1 no. D.G sets of capacity 150 kVA each</td></tr>
</table></td></tr>
</table>

Sr. No.	Information/checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.7	Any other natural resources (use appropriate standard units)	No	--

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.

Sr. 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)	No	--
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	--
3.3	Affect the welfare of people e.g. by changing living conditions?	No	--
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	--
3.5	Any other causes	No	--

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

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	--
4.2	Municipal waste (domestic and or commercial wastes)	Yes	The total quantity of solid waste: 3906 Kg /day. (Biodegradable and Non biodegradable)
4.3	Hazardous wastes (as per Hazardous waste Management Rules)	Yes	Waste oil generated from D.G. shall be stored at separate location duly marked and will be sold to the authorized recyclers.
4.4	Other industrial process wastes	No	--
4.5	Surplus product	No	--
4.6	Sewage sludge or other sludge from effluent treatment.	Yes	Dried sludge from STP will be used as manure for plants within the premises.
4.7	Construction or demolition wastes.	Yes	Construction waste generated during construction activity shall be partly reused on site and partly disposed to authorized landfill site with permission of KBMC.
4.8	Redundant machinery or equipment.	No	--
4.9	Contaminated soils or other materials.	No	--
4.10	Agriculture wastes.	No	--
4.11	Other solid wastes.	No	--

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

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	CPCB approved D.G. Sets will be used during power failure.

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.2	Emissions from production processes	No	--
5.3	Emissions from materials handling including storage or transport	Yes	Fugitive dust emission due to handling and loading-unloading activities is envisaged during construction. Frequent water sprinkling will be done to minimise the fugitive emissions.
5.4	Emissions from construction activities including plant and equipment	Yes / Marginal	The project may cause rise in dust levels during construction phase. Precautions would be taken to reduce dust generation: • Water sprinkling at regular intervals to reduce control of dust generation
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust generation will be controlled as described above. For odour control: Proper ventilation shall be provided around STP and SWM area.
5.6	Emissions from incineration of waste	No	--
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	--
5.8	Emissions from any other sources	No	--

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

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers.	Yes but negligible	For control of noise following measures shall be adopted: • Properly maintained equipment with mufflers will be used. • High noise generating construction activities would be carried out only during day time. • Workers working near high noise construction machinery would be supplied with ear muffs/ear plugs.
6.2	From industrial or similar processes.	No	--
6.3	From construction or demolition.	Yes	Noise levels may increase due to operation of machinery as well as transportation vehicles. This may cause nuisance to the nearby area. Following precautions shall be taken to control noise pollution: • High noise generating construction activities would be carried out only during day time • Installation, use and maintenance of mufflers on equipment • Workers working near high noise construction machinery would be supplied with ear muffs/ear plugs. • Provision of barricades along the periphery of the site • Plantation of trees • Acoustic enclosure for DG sets

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
6.4	From blasting or piling.	No	--
6.5	From construction or operational traffic.	Yes	**During Construction phase:** Transport of materials for construction work. Precautions will be taken to reduce the impact of the vehicular movement such as vehicular trips will not be at peak traffic hours. **Operation Phase :** The vehicular parking will be restricted only in the adequate parking area provided, which would help in reducing noise pollution due to traffic congestion. Tree plantation will also help to reduce the noise level and also will enhance air quality.
6.6	From lighting or cooling systems.	No	--
6.7	From any other sources.	No	--

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

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials.	No	--
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge).	No	The treated sewage will be reused for flushing and gardening within the premises. Excess treated sewage shall be disposed to proposed sewer line
7.3	By deposition of pollutants emitted to air into the land or into water.	No	Dust will be generated during construction phase from earthworks and movement of vehicles. Appropriate fugitive dust control measures, including watering, water sprinkling of exposed areas and dust covers for trucks, will be provided to minimize any impacts. DG exhaust will be discharged at stipulated height by providing adequate stack height to the DG sets.
7.4	From any other sources.	No	--
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	--

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

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	--
8.2	From any other causes.	No	--
8.3	Could the project be affected by	--	Landslides are not expected in the area.

	natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, and cloudburst)?		Management plan for flood and earthquake is as follows : **Flood :** • Minimizing the incremental runoff from the site with the help of rain water harvesting tank • Proper management of channelization of storm water from site by using proper internal SWD system and discharge points of adequate capacity • Use of screens and silt traps to SWD • Proper maintenance of storm water drainage to avoid choking of drains and flooding on site • Ensure discharge of storm water from the site is clear of sediment and pollution **Earthquake :** The structure of the building is designed as per IS codes for zone III. Disaster Management Plan is attached as **Enclosure 1**

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:

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:		
	•Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	No	Supporting infrastructure is already in existence.
	• housing development • extractive industries • supply industries • other	Yes	Residential development
9.2	Lead to after-use of the site, which could have an impact on the environment	No	--
9.3	Set a precedent for later developments	Yes	Will create job opportunity in construction and operation phase with support staff like security, maintenance, household workers, shop keepers etc.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	Yes	Impacts on water availability, storm water drainage, availability of electricity, traffic congestion etc.

(III) Environmental Sensitivity

Sr. 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	Hajimalang Darga	Approx. 7.00 Km
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Ulhas river	Approx. 1.00 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	Kondeshwar lake Badlapur gaon lake GIP railway dam Lotus pond Gaodevi lake Katrap lake Barvi lake/Dam Mahalaxmi Park Tank Chilkoli Dam Ulhas river	Approx. 3.00 Km Approx. 3.00 Km Approx. 6.00 Km Approx. 4.00 Km Approx.: 2.00 Km Approx. 3.00 Km Approx. 11.00 Km Approx. 2.00 Km Approx. 4.00 Km Approx. 1.00 Km
5	State, National boundaries	None	---
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Kalyan – Badlapur Road	Approx. 500 mt.
7	Defence installations	No	--
8	Densely populated or built-up area	Badlapur	--
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Badlapur	--
10	Areas containing important, high quality or scarce resources (Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	--
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	--
12	Areas susceptible to natural hazard which could cause the	No	--

Sr. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) from Proposed project location boundary
	project to present environmental problems (Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)		

(IV) Proposed Terms of Reference for EIA studies: Not applicable

" 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: 10.09.2016

Place: Ambernath

For Panvelkar Infrastructures Pvt. Ltd.

Panvelkar Infrastructures Pvt. Ltd. Ambarnath

Signature of the applicant
With Name and Full Address
(Project proponent/s Authorized Signatory)