

**FORM-1**

**(I) Basic Information**

| Sl. No. | Item  | Details  |
|---------|---|--|
| 1       | Name of the project/s   | <b>Sumadhura Eden Gardens.</b> Residential Project<br>M/s. Sumadhura Infracon Pvt. Ltd   |
| 2       | Sl.No. in the schedule  | 8(a)   |
| 3       | Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled | Plot Area:11.19 Acres<br>i. e 45286.5Sqm<br>No. of units- 840<br>There will be no drilling of bore well                            |
| 4       | New/Expansion/Modernization   | New  |
| 5       | Existing Capacity/ Area etc.  | New project is proposed in a plot area of 11.19 Acres  |
| 6       | Category of Project i.e. 'A' or 'B'   | B2   |
| 7       | Does it attract the general condition? If yes, Please specify.  | No   |
| 8       | Does it attract the specific condition? If yes, Please specify.   | No   |
| 9       | Location  | Latitude: 13° 01'38.54" N<br>Longitude: 77° 45'04.11" E  |
|         | Plot/Survey/ Khatha No.   | Sy.Nos:8/2, 8/3, 8/5, 9/1, 9/2, 9/3, 10, 113/2,  |
|         | Village   | Doddabanahalli village   |
|         | Tehsil  | Bangalore East Taluk   |
|         | District  | Bangalore  |
|         | State   | Karnataka 560067   |
| 10      | Nearest Railway station / airport along with distance in kms.   | Nearest railway station is white field.<br>Distance : 3 Km (S)<br>Kempegowda International Airport : 19 Km (NW)                    |
| 11      | Nearest town, city, District headquarters along with distance in kms.                                     | Project site falls in Bangalore City limits.   |
| 12      | Name of the applicant   | Mr. Madhusudhan. G   |
| 13      | Registered Address  | M/s. Sumadhura Infracon Pvt. ltd<br>Site No.43, C.K.B.Plaza,2 <sup>nd</sup> floor, Varthur main road, Marthahalli,Bengaluru.560037 |
| 14      | Address for correspondence :  |  |
|         | Name  | Mr. Madhusudhan.G  |
|         | Designation (Owner/Partner/CEO)   | Developer  |
|         | Address   | Site No.43, C.K.B.Plaza, 2 <sup>nd</sup> floor, Varthur  |



|    |  |  |
|----|--|--|
|    |  | main road, Marthahalli, Bengaluru.                         |
|    | Pin Code   | 560037   |
|    | E-mail   | cmd@sumadhuragroup.com                                     |
|    | Telephone No.  | 080 42161470   |
|    | Fax No.  | ----   |
| 15 | Details of Alternative Sites examined, if any.<br>Location of these sites should be shown on a topo sheet.   | Nil  |
| 16 | Interlined Projects  | Nil  |
| 17 | Whether separate application of interlined project has been submitted  | Nil  |
| 18 | If yes, date of submission   | Not Applicable   |
| 19 | If no, reason  | As proposed site founds to be suitable in all the aspects. |
| 20 | Whether the proposal involves approval/<br>clearance under:<br>(a) The Forest (Conservation) Act, 1980<br>(b) The Wildlife (Protection) Act, 1972<br>(c) The C.R.Z Notification, 1991  | Nil  |
| 21 | Whether there is any Government order / policy relevant /relating to the site  | Nil  |
| 22 | Forest land involved (hectares)  | Nil  |
| 23 | Whether there is any litigation pending against the project and/or land in which the project is propose to be set up<br>(a) Name of the Court<br>(b) Case No.<br>(c) Orders/directions of the Court, if any and its relevance with the proposed project. | Nil  |

**(II) Activity**

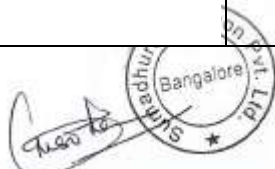
- 1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**



| Sl.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) | Yes     | Residential Apartment being developed on a plot of land measuring about 11.19 Acres. current land use pattern as per the City development plan the site is falling under Commercial zone, the land have been converted to residential, hence After the construction of the project the Land use will change permanently to residential. |
| 1.2    | Clearance of existing land, vegetation and buildings?   | No      | Proposed site is devoid of vegetation, hence no clearance is land required.   |
| 1.3    | Creation of new land uses?  | No      | Project site falls in Bangalore City limits; the existing land use is Commercial zone as per CDP, Land use will change permanently to residential.  |
| 1.4    | Pre-construction investigations e.g. bore houses, soil testing?   | Yes     | Carried out as part of the study for the project.   |
| 1.5    | Construction works?   | Yes     | Excavation, concreting, erection of structures/buildings are required for proposed project.   |
| 1.6    | Demolition works?   | No      | No demolition works is required/involved.   |
| 1.7    | Temporary sites used for construction works or Housing of construction workers?   | No      | There will be no settlement of construction labourers inside the project site.  |
| 1.8    | Above ground buildings, structures or Earthworks including linear structures, cut and fill or excavations   | Yes     | Excavation work will be undertaken for the foundation of the building. The excavated earth will be used for internal road works, footings and top soil shall be preserved and used for Gardening.   |
| 1.9    | Underground works including mining or tunneling?  | No      | Not Applicable  |
| 1.10   | Reclamation works?  | No      | Nil   |
| 1.11   | Dredging?   | No      | Not applicable  |
| 1.12   | Offshore structures?  | No      | Nil   |



|      |  |            |  |
|------|--|------------|--|
| 1.13 | Production and manufacturing processes?  | <b>No</b>  | Not Applicable   |
| 1.14 | Facilities for storage of goods or materials?  | <b>No</b>  | Nil  |
| 1.15 | Facilities for treatment or disposal of solid waste or liquid effluents?   | <b>Yes</b> | As per feasibility report attached in EMP.   |
| 1.16 | Facilities for long term housing of operational workers?   | <b>No</b>  | No facilities planned for housing of operational workers   |
| 1.17 | New road, rail or sea traffic during construction or operation?  | <b>No</b>  | The proposed project is well connected by road network & the same existing facilities will be made use for the transportation.                                     |
| 1.18 | New road, rail, air, waterborne or other transport infrastructure including new or altered routes & stations, ports, airports etc? | <b>No</b>  | Existing facilities will be made use for the transportation.   |
| 1.19 | Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?                       | <b>No</b>  | Nil  |
| 1.20 | New or diverted transmission lines or pipelines?   | <b>No</b>  | Nil  |
| 1.21 | Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?                       | <b>No</b>  | Nil  |
| 1.22 | Stream crossings?  | <b>No</b>  | Nil  |
| 1.23 | Abstraction or transfers of water form ground or surface waters?   | <b>No</b>  | Nil  |
| 1.24 | Changes in water bodies or the land surface affecting drainage or run-off?   | <b>No</b>  | Nil  |
| 1.25 | Transport of personnel or materials for construction, operation or decommissioning?  | <b>Yes</b> | Transport of construction materials will be made mainly through trucks. Local construction laborers will be employed, hence Transport of personnel not applicable. |
| 1.26 | Long-term dismantling or decommissioning or restoration works?   | <b>No</b>  | Nil  |
| 1.27 | Ongoing activity during decommissioning which could have an impact on the environment?   | <b>No</b>  | Nil  |



|      |   |            |   |
|------|---|------------|---|
| 1.28 | Influx of people to an area in either temporarily or permanently? | <b>Yes</b> | <p><u>Construction Phase:</u><br/>Temporary influxes of people of around 150 laborers are expected at the site during construction phase from the nearby area.</p> <p><u>Operation phase:</u><br/>The total of 4170 numbers of occupants will reside in the proposed residential project.</p> |
| 1.29 | Introduction of alien species?                                    | <b>No</b>  | Nil   |
| 1.30 | Loss of native species or genetic diversity?                      | <b>No</b>  | Nil   |
| 1.31 | Any other actions?  | <b>Yes</b> | Rainwater harvesting & storm water management proposed  |

**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):**

| Sl.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 land (ha)   | <b>No</b>  | Agricultural land converting in to residential.   |
| 2.2    | Water (expected source & competing users) unit: KLD   | <b>Yes</b> | Source: Gram panchayat<br>Total Water Requirement: 455 KLD  |
| 2.3    | Minerals (MT)   | <b>No</b>  | Nil   |
| 2.4    | Construction material - stone, aggregates, sand/soil (expected source - MT)                   | <b>Yes</b> | Construction materials for built-up area of 112787.9 Sqm From nearby sources.                           |
| 2.5    | Forests and timber (source - MT)  | <b>Yes</b> | Re Cycled Timber will be used for doors.  |
| 2.6    | Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW) | <b>Yes</b> | 5324 KVA/day from BESCO   |
| 2.7    | Any other natural resources (use appropriate standard units)                                  | <b>No</b>  | Nil   |



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) | Yes     | Spent oil from DG sets will be stored and disposed by Authorized Recyclers                             |
| 3.2     | Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)   | No      | Nil  |
| 3.3     | Affect the welfare of people e.g. by changing living conditions?   | Yes     | Socioeconomic status will improve.   |
| 3.4     | Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,                           | No      | Nil  |
| 3.5     | Any other causes   | No      | Nil  |

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      | Nil  |
| 4.2     | Municipal waste (domestic and or commercial wastes)        | Yes     | 1.2Mt/d will be handled in an eco-friendly manner  |
| 4.3     | Hazardous wastes (as per Hazardous Waste Management Rules) | Yes     | Only used oil from DG sets will be disposed through authorized dealers.                                |
| 4.4     | Other industrial process wastes                            | No      | Not Applicable   |
| 4.5     | Surplus product  | No      | Nil  |



|      |   |     |  |
|------|---|-----|--|
| 4.6  | Sewage sludge or other sludge from effluent treatment | Yes | Only Domestic sewage sludge which will be dried and used as organic compost for landscaping. |
| 4.7  | Construction or demolition wastes                     | Yes | Construction wastes used for back filling, remaining will be sold to scrap dealers           |
| 4.8  | Redundant machinery or equipment                      | No  | Nil  |
| 4.9  | Contaminated soils or other materials                 | No  | Nil  |
| 4.10 | Agricultural wastes                                   | No  | Nil  |
| 4.11 | Other solid wastes                                    | No  | Nil  |

**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     | DG sets will use Low sulfur HSD when in operation.  |
| 5.2     | Emissions from production processes  | No      | Nil it's a Residential project  |
| 5.3     | Emissions from materials handling including storage or transport                           | Yes     | Fugitive dust is envisaged during movement of vehicles carrying construction materials, handling and unloading of construction materials.<br><br>Water sprinkling & Tarpaulin cover will be provided to prevent dust emissions. |
| 5.4     | Emissions from construction activities including plant and equipment                       | Yes     | Emissions from DG sets, graders, levelers etc. only   |
| 5.5     | Dust or odours from handling of materials including construction materials, sewage & waste | Yes     | Will be minimized - As per EMP  |
| 5.6     | Emissions from incineration of waste   | No      | Not applicable  |
| 5.7     | Emissions from burning of waste in open air (e.g. slash materials, construction debris)    | No      | Nil   |
| 5.8     | Emissions from any other sources   | No      | Nil   |



**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     | The machinery which will be used for construction will be of highest standard of reputed make and will adhere to international standard. Hence insignificant impacts due to construction machinery are envisaged. Apart from this the construction activities will be restricted to daytime only. Source of noise in the operational phase will be generator sets and vehicular sources only. The generator sets will be in operation during power failure only. Moreover, the generator set comes with acoustic measures as per norms. |
| 6.2     | From industrial or similar processes                                  | No      | Nil it's a Residential Apartment project  |
| 6.3     | From construction or demolition                                       | Yes     | <p>Due to various construction activities, there will be short-term noise impacts in the immediate vicinity of the project site.</p> <p>Overall, the impact of noise generated on the environment is likely to be insignificant, reversible and localized in nature and mainly confined to the daytime.</p> <p>Suitable mitigation measures will be adopted.</p>  |
| 6.4     | From blasting or piling   | No      | Nil   |
| 6.5     | From construction or operational traffic                              | Yes     | As in EMP   |
| 6.6     | From lighting or cooling systems                                      | No      | Nil   |
| 6.7     | From any other sources  | No      | Nil   |





**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      | Nil it's a Residential Apartment project   |
| 7.2     | From discharge of sewage or other effluents to water or the land (expected mode and place of discharge) | No      | STP is designed to treat water to acceptable standards for utilization for use as Gardening and flushing. Hence no risk anticipated. |
| 7.3     | By deposition of pollutants emitted to air into the land or into water                                  | No      | Nil  |
| 7.4     | From any other sources  | No      | Nil  |
| 7.5     | Is there a risk of long term build up of pollutants in the environment from these sources?              | No      | Nil  |

**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      | This is a residential project where only LPG, cylinders will be used. Adequate safety precautions will be taken.   |
| 8.2     | From any other causes   | No      | Firefighting system in the proposed project consists of fire detection system and firefighting system as per IS: 2189.<br><br>Automatic fire detection Firefighting System and alarms with adequate supply has been introduced to the implement with the specification attached. |



|     |   |    |  |
|-----|---|----|--|
|     |   |    | <p>The control room / security room with communication system to all floors is provided and facility for receiving messages from different floors shall be provided at entrance on ground floor.</p> <p>The materials used for construction of the building shall be of non-combustible.</p> <p>Non-combustible materials shall only be used for the construction / erection of false ceiling including all fixtures and used for its suspension / erection etc. and shall be of low flame rating.</p> <p>The standby electric generator shall be installed to supply power to staircase and corridor lighting circuit, ventilation and smoke extraction system, lifts, exit signs and fire pump in case of failure of normal electric supply.</p> |
| 8.3 | Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)? | No | <p>The study area falls in Zone-II, as per the Indian Standard Seismic Zoning Map.</p> <p>Suitable seismic consideration will be adopted while designing the structures to mitigate the seismic impacts. There are no chances of floods and landslide.</p>   |

**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.:<br><ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul> | Yes | Expected increase in traffic due to the project is very minimal, which can be easily handled by the existing infrastructure to the project.<br>A detailed survey of Traffic density has been conducted and the report enclosed as <b>Annexure.3</b> |
| 9.2 | Lead to after-use of the site, which could have an impact on the environment  | No  | Nil   |
| 9.3 | Set a precedent for later developments  | Yes | Not possible to accurately project at the present time  |
| 9.4 | Have cumulative effects due to proximity to other existing or planned projects with similar effects   | Yes | This project will provide quality jobs, entertainment, convenient lodging & boarding facility to the people   |

### (III) Environmental Sensitivity

| Sr. No. | Areas  | Name/ Identity | Aerial distance (within 15 km.) Proposed project location boundary  |
|---------|--|----------------|---|
| 1       | Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value            | No             | Nil   |
| 2       | Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests | Yes            | Yellamallappachetty Kere :2.0 km (W)<br>Hoskote Kere : 4.0 km (NE)<br>Bommanahalli Ker: 5.5 km(NW)<br>Krishnaraja kere:5.5 km (SW)<br>Rampura Kere :7.0 km(NW)<br>Hancharhalli Kere :7.5 km (N)<br>Gundururu Kere:7.5 (NW)<br>Varthur kere : 8.0 km (S)<br>Doddanekkundi kere: 9.0 (SW) |



|    |   |     |   |
|----|---|-----|---|
| 3  | Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration   | Yes | Marasandra Reserve Forest : 8.0 km (NW)<br>Jadigenhalli State Reserve Forest : 8.0 km (NE)  |
| 4  | Inland, coastal, marine or underground waters   | No  | Nil   |
| 5  | State, National boundaries  | No  | Nil   |
| 6  | Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas  | No  | Kundalahalli Gate Road - 700 Mts (N)<br>SH-35- 800 Mts ( E )  |
| 7  | Defence installations   | No  | Nil   |
| 8  | Densely populated or built-up area  | Yes | Project site falls in Bangalore City limits<br>Kannamangala, Seegahalli and Hope farm junction is the nearest densely populated area. |
| 9  | Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )   | Yes | Project site falls in Bangalore City limits,<br><br>All community facilities are surrounded within 2-3 Kms from Project Site.         |
| 10 | Areas containing important, high quality or scarce resources ( <i>Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )  | No  | Nil   |
| 11 | Areas already subjected to pollution or environmental damage. ( <i>those where existing legal environmental standards are exceeded</i> )  | No  | Nil   |
| 12 | Areas susceptible to natural hazard which could cause the project to present environmental problems ( <i>Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i> ) | No  | Nil   |




(IV). Proposed Terms of Reference for EIA studies - Not Applicable

I hereby given 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: 07.10.2016

Place: Bangalore

Signature of the Applicant with name and full address



**Mr. G.Madhusudhan.**

**CMD**

**M/s.Sumadhura Infracon Pvt. Ltd**

Site No.43, C.K.B.Plaza, 2<sup>nd</sup> floor,

Varthur main road, Marthahalli,

Bengaluru.560037

