

Group Housing "Orchid Park" situated At Khasra No: 39, 40Ka, 41Ka, 41Ga, 41Gha, 42Kha, 42Ka, 43Ka, 43Kha, 44, 45Kha, 1078, 1080, 1081, 1082 & 1083, Village Mauza Chalang, Pargana Parwa Doon, Distt. Dehradun

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**APPENDIX-I
(See Paragraph-6)
FORM-1**

(I) Basic Information

S. No.	Item	Details
1.	Name of the project/s	Group Housing Project "Orchid Park"
2.	S. No. in the schedule	Category 8 (a)
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	Plot Area = 8,083 sq.m. Built Up Area = 24,052.13 sq.m.
4.	New/Expansion/Modernization	New
5.	Existing Capacity/Area etc.	Nil
6.	Category of Project i.e. 'A' or 'B'	Category A
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 Plot/Survey/Khasra No. Village Tehsil District State	Khasra No: 39, 40Ka, 41Ka, 41Ga, 41Gha, 42Kha, 42Ka, 43Ka, 43Kha, 44, 45Kha, 1078, 1080, 1081, 1082 & 1083 Mauza Chalang, Pargana Parwa Dehradun Dehradun Uttarakhand
10.	Nearest railway station/airport along with distance in kms.	Nearest Railway Station: Dehradun Railway Station (Approx. 9.38 km) (SW) Nearest Airport: Jolly Grant Airport (Approx. 22.56 km) (SE)
11.	Nearest Town, city, District Headquarters along with distance in kms.	The project site is present within the city of Dehradun
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Nagar Nigam Complex opp Doon Hospital, Nardev Shastri Marg, Race Course, Dehradun, Uttarakhand 248001
13.	Name of applicant	Pushpanjali Realms & Infratech Pvt. Ltd.

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14.	Registered Address	NATH HOUSE DEVPURA HARIDWAR Haridwar UR 249401 IN
15.	Address for correspondence : Name Designation (Owner/Partner/CEO) Address Pin Code Telephone No. Fax No. E-mail	Mr. Biplab Patro Signing Authority Bipat2002@gmail.com
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet.	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? (b) The wildlife (Protection) act, 1972? (C) The C.R.Z Notification, 1991?	Not Applicable for project site
22.	Whether there is any Government Order/Policy relevant/relating to the site?	No
23.	Forest land involved (hectares)	No
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) Orders/directions of the Court, if any and its relevance with the proposed project.	No

(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 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	The selected site is earmarked for group centre use as per master plan of Dehradun, 2025. A copy of land document is attached at Annexure 1.
1.2	Clearance of existing land, vegetation and buildings?	No	Project site does not support any vegetation. The construction of project does not require any clearance of existing Land, Vegetation & Building.
1.3	Creation of new land uses?	No	Land has been earmarked for development of group housing as per development Plan of Dehradun, so there will be no creation of new land use.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Soil testing will be done during detailed engineering study
1.5	Construction works?	Yes	All construction activities will be confined within the project premises; there will be no physical changes outside the project boundary.
1.6	Demolition works?	No	Demolition is not required.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	All the construction activity including stocking of raw materials will be confined within the project site only. No temporary labour hutments are proposed. Local labours from nearby area will be hired. Sanitation facilities will be developed at site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavation will be carried out for foundation of buildings. The excavated soil will be used in backfilling and other area development activities.
1.9	Underground works including mining or tunneling?	No	No underground works including mining/tunneling is required except excavation of earth for construction of basement.
1.10	Reclamation works?	No	No reclamation work required.
1.11	Dredging?	No	No dredging required.
1.12	Offshore structures?	No	No offshore structures required.
1.13	Production and manufacturing processes?	No	No production/manufacturing process involved as the project is a building and construction project.
1.14	Facilities for storage of goods or	Yes	Raw material will be stored at site in a

	materials?		covered area. Cement will be separately stored under cover in bales. Sand will be stacked neatly under tarpaulin cover.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p><u>Solid Waste:</u> The solid waste generated from the project will be in the following form:</p> <p><u>Construction Waste:</u> Left over cement and mortars, cement concrete blocks, aggregate, sand and other inorganic material will be recycled and reused as granular subbase (GSB) layer of pavement. Earth rendered surplus from the excavation will be utilized in the embankment works.</p> <p><u>Operational Phase:</u> The solid waste generated from project will be mainly domestic in nature and the quantity of the waste will be 439 kg/day. Solid wastes generated will be segregated into compostable (waste vegetables and foods etc.), recyclable (papers, cartons, thermocol, plastics, glass etc.) and inert components and will be collected in separate bins. The compostable fraction of wastes will be treated inside the premises. Recyclable and inert wastes will be disposed through Govt. approved agency.</p> <p><u>Liquid effluents:</u> Waste water generated from the project will be treated by an onsite STP of 130 KLD capacities.</p> <p>Treated water from STP will be used for horticulture, Flushing purpose at project sites to reduce water demand.</p>
1.16	Facilities for long term housing of operational workers?	No	Local workers will be hired from nearby areas during construction phase. So, there will be no need to create permanent facilities for long-term housing of operational workers.

1.17	New road, rail or sea traffic during construction or operation?	No	Project site is well connected by sector roads/existing roads. So there is no requirement to create new road, rail or sea traffic.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Site is well connected by existing roads. Internal roads & paths will be developed for vehicular movements at project site.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The project shall not affect the existing traffic status during the construction and operational phase.
1.20	New or diverted transmission lines or pipelines?	No	There will not be any new/diverted transmission lines or pipelines around the proposed project.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No impoundment, damming, culverting, realignment or other changes to the hydrology of surface watercourses is proposed.
1.22	Stream crossings?	No	There are no streams running across the site.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	During construction phase required water demand will be met through private water tankers. During operation phase, water will be provided through municipal supply.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	Runoff will increase due to increased paved surface. However, increased runoff will be managed by well-designed rainwater harvesting system and storm water management plan.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During the construction phase, about 10-15 trucks are estimated per week. Adequate parking space within the project site for loading and unloading of materials will be provided.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No Long term dismantling or decommissioning or restoration works will be involved.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	None
1.28	Influx of people to an area in either temporarily or permanently?	No	Local laborers from nearby area will be employed during the construction phase.

			In the operation phase, most of the expected occupants will be from the surrounding areas. Hence, the project will lead to a redistribution of population within the city. Thus, no significant influx of people is envisaged.
1.29	Introduction of alien species?	No	The landscaping will be carried out with mainly local species with a few ornamental varieties of flora that are well suited to the local conditions.
1.30	Loss of native species or genetic diversity?	No	There will be no significant impact on the native species or genetic diversity.
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 land (ha)	No	Project site is earmarked for development of group centre.
2.2	Water (expected source & competing users) unit: KLD	Yes	During construction phase water will be provided by Private Water Tanker. During operation phase, water supply will be provided through the Municipal Supply. About 87 KLD of fresh water will be required during operation phase of the project.
2.3	Minerals (MT)	Yes	Minerals such as sand and aggregates will be required during the construction phase.
2.4	Construction material – stone, aggregates, and / soil (expected source – MT)	Yes	All materials for construction will be arranged through select local suppliers.
2.5	Forests and timber (source – MT)	Yes	All material forests and timber will be provided by selected suppliers. However steel frames etc shall be used to minimize the use of timber.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	The total demand load is estimated 435 kVA. Power will be supplied by State Electricity Board. Power backup for the Group Centre project will be through 2

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			DG sets of total capacity 625 kVA.
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	It is expected that negligible quantity of used/spent oil (Category 5.1) will be generated from the DG sets during operation phase. This will be sold to authorized vendor of CPCB at regular Interval.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Suitable drainage and waste management measures (with frequent spray of insecticides etc.) will be adopted during both the construction and operation phase such that there will be no stagnation of water or accumulation of any type of waste. This will effectively restrict the reproduction and growth of disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Socio-economic standard of people will improve due to increased employment opportunities (direct/indirect) provided by this project. This will lead to better quality of life and will also set a standard for future developments in the area.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	Impacts of this type are not expected.
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/rates, wherever possible)
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			with source of information data
4.1	Spoil, overburden or mine wastes	No	No such spoil, overburden or mine wastes will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	The total municipal (domestic) solid waste to be generated is approx. 439 kg/day.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	The hazardous wastes along with other wastes in the project will be used oil from DG sets, which is classified as per The Hazardous Waste (Category 5.1) as per The Management, Handling & Transboundary Movement Rules, 2008. Used oil from DG sets will be stored in HDPE drums in isolated covered facility. This used oil will be sold to authorized recyclers. Suitable care will be taken so that spills/leaks of used oil from storage is avoided.
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	No	The waste water generated from the project will be treated by an onsite STP of 130 KLD capacity.
4.7	Construction or demolition wastes	Yes	The construction waste will consist of excess earth and construction debris along with cement bags, steel in bits and pieces, insulating and packaging materials etc. Recyclable waste construction materials will be sold to recyclers. Unusable and excess construction debris will be disposed at designated places in tune with the local norms.
4.8	Redundant machinery or equipment	No	Redundant machinery will not be generated.
4.9	Contaminated soils or other materials	No	Contaminated soils or other materials will not be generated.
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/hr).

S. 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	The project does not envisage any major air pollution sources except operation of DG sets during power failure and vehicular movement.
5.2	Emissions from production processes	No	No production processes involved. Hence, there will be no such emissions.
5.3	Emissions from materials handling including storage or transport	Yes	Small quantities of fugitive emissions are envisaged during transport and handling of construction materials. Such emissions will be temporary and controlled by the use of sprinkling and other viable techniques like covering of loose material.
5.4	Emissions from construction activities including plant and equipment	Yes	This will be restricted to the construction phase and the construction site only.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust is anticipated during loading and unloading of construction material and excavation of upper earth surface. These will however be temporary in nature, which will be controlled by providing water sprinklers. Tarpaulin cover will be provided on stored loose materials to reduce the dust emission.
5.6	Emissions from incineration of waste	No	No incineration of wastes is proposed.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Open burning of biomass/other material will be prohibited on site.
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/ rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Source of noise in the operational phase will be DG sets (which will be in operation during power failure only) and pumps & motors. All the machinery will

			be of highest standard of reputed make and will comply with standard i.e. The DG set room will be provided with acoustic enclosure to have minimum 25 dB(A) insertion loss or for meeting the ambient noise standard whichever is on higher side as per E (P) Act, GSR 371 (E) and its amendments. Therefore, no significant impact due to operation of machinery is anticipated.
6.2	From industrial or similar processes	No	No industrial processes will be carried out in the project premises.
6.3	From construction or demolition	Yes	Due to various construction activities, there will be short-term noise impacts in the immediate vicinity of the project site. The construction activities will include the following noise generating activities: <ul style="list-style-type: none"> • Concreting, mixing & operation of DG sets. • Construction plant and heavy vehicle movement.
6.4	From blasting or piling	No	No blasting or mechanized piling will be done.
6.5	From construction or operational traffic	Yes	Some noise will be generated from vehicular movement in the construction and operational phase but that will be mitigated with green belt.
6.6	From lighting or cooling systems	No	No significant noise impact will result from lighting or cooling systems.
6.7	From any other sources	No	Not Applicable

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:

S. 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	The used/spent oil from DG sets will be carefully stored in HDPE drums at isolated storage, and sold to authorized vendor at regular interval. All precautions will be taken to avoid spillage from storage as per The Hazardous Wastes (Management,

			Handling and Transboundary movement) Rules, 2008.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of Discharge)	No	There will be no discharge of untreated waste water/sewage on land or into water body. Waste water will be treated by an onsite STP of 130 KLD capacity.
7.3	By deposition of pollutants emitted to air into the land or into water	No	The DG Sets will be provided with stacks of adequate height as per norms and will be air cooled. Hence dispersion will be achieved and avoid deposition of pollutants in significant concentrations at any single location.
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 source of information data
8.1	From explosions, spillages, fires, etc. from storage, handling, use or production of hazardous substances	Yes	To deal with any fire related accident, fire fighting equipments of single handed hydrant valve, long hose reel, and portable fire extinguisher will be provided.
8.2	From any other causes	No	Not Applicable
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)	No	The project falls under seismic active Zone IV indicating high damage risk zone. The buildings will be designed as earthquake resistant and comply with the required IS specifications.

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 source of information data
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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.: • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • Housing development • Extractive industries • Supply industries • Other	Yes Yes No No No	Appropriate infrastructure like roads, power supply, waste management and waste water treatment will be developed within the project site. Development of the area will be as per the approved Master/ Development Plan. Housing development will take place. Not Applicable Not Applicable Not Applicable
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not Anticipated
9.3	Set a precedent for later developments	Yes	The project will provide good infrastructure and better life style and will set an example for later developments in the areas.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Applicable

(III) Environmental Sensitivity

S. 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	None within 15 km area	None within 15 km area
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Water Bodies Forest	1. Song River Approx. 1.86 km in SE direction 2. Nala Pani Ka Rao approx. 0.60 Km in SE Direction Malsi Reserved Forest approx. 0.88 Km in NW Direction

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3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	None within 15 km area	None within 15 km area
4	Inland, coastal, marine or underground waters	Ground water	The depth of groundwater is 10-14m below the ground level.
5	State, National boundaries	Uttra Khand-U.P. Border	Approx. 21.41 Km in SW direction
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NH- 72 NH-72A Rajpura Road	Approx. 8.72 km in SW Direction Approx. 9.52 Km in SW Direction Approx. 0.61 Km in NW Direction.
7	Defense installations	None	None
8	Densely populated or built-up area	Dehradun	Approx. 9.10 Km in SW Direction
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Hospital School	1. Sakya Hospital Approx. 0.61 km in NW direction 2. Max Super Speciality Hospital, Dehradun Approx. 2.02 Km in SW Direction 1. The Aryan School approx. 1.89 Km in SW Direction 2. Scholars Home School, Dehradun approx. 2.77 Km SW Direction
10	Areas containing important, high quality or scarce resources. (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	None	There are no areas within 15 km containing important, high quality or scarce resources.
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	None	There are no areas within 15 km which are subjected to pollution or environmental damage.
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</i>)	Earthquake s	The site falls under the zone IV as per the Seismic Zone Map of India and is thus prone to high damage risk zone. Adequate measures will be taken during the construction of the

climatic conditions)

project.

"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 at our risk and cost.

Date:

(Authorized Signatory)

Place

Pushpanjali Realms & Infratech Pvt. Ltd.

NOTE:

1. The Projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. and the recommendations of the state Coastal Zone management Authority. Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon."
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/ Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project".