APPENDIX I

(See Paragraph-6)

CATEGORY - B

Note : If space provided against any parameter is inadequate,Kindly upload supporting document under 'Additional Attachments if any' at the last part of the Form1. Please note that all such Annexures must be part of single pdf document.

(I)Basic Informations

S.No.	Item	Details
	Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 and read with amendment vide notification dated 08.03.2018. ?	No
1.	Name of the Project	Environment Clearance of Terms of Reference for Amendment in "Acme Ozone" Residential cum Commercial project under Rental Housing Scheme at Land bearing Gut. No. 61/1/1, Gut. No. 61/1/2, 3, 4, 61/2/1, 2, 3, Village - Chitalsar-Manpada, Tal. & Dist. Thane, by M/s. Acme Housing India Pvt. Ltd.
2.	Project Sector	New Construction Projects and Industrial Estates
3.	Location of the project	Village - Chitalsar-Manpada, Tal. & Dist. Thane
4.	Shape of the project land	Block (Polygon)
	Uploaded GPS file	Annexure-GPS file
	Uploaded copy of survey of India Toposheet	Annexure-Survey of india toposheet
5.	Brief summary of project	Annexure-Brief summary of project
6.	State of the project	Maharashtra

Details of State of the project

S.no	State Name	District Name	Tehsil Name
(1.)	Maharashtra	Thane	Thane

7.	Town / Village	Village Chitalsar, Manpada, Thane
8.	Plot/Survey/Khasra No.	Land bearing Gut. No. 61/1/1, Gut. No. 61/1/2, 3, 4, 61/2/1, 2, 3, Village - Chitalsar-Manpada, Tal. & Dist. Thane
9.	S. No. in the schedule	8(b) Townships and Area Development projects.
10.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled	361836.04 ha.
11.	New/Expansion/Modernization	New
12.	Category of project	B
13.	Does it attract the general condition? If yes, please specify	No
15.	Does it attract the specific condition?	No

16.	Is there any litigation pending against the project?	No
17.	Nearest railway station along with distance in kms.	Thane Railway Station, 2.80 km
18.	Nearest airport along with distance in kms	Chhatrapati Shivaji Maharaj International Airport, 17.83 km
19.	Nearest Town/City/District Headquarters along with distance in kms	TMC , 5.50 km
20.	Distance of the project from nearest Habitation	0.06 , 0.06 km
21.	Details of alternative sites examined shown on a toposheet	No
22.	Whether part of interlinked projects?	No
23.	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980?	No
24.	Whether the proposal involves approval/clearance under the wildlife (Protection)Act,1972?	No
25.	Whether the proposal involves approval/clearance under the C.R.Z notification,2011?	No
26.	Whether there is any Government Order/Policy relevent/relating to the site?	No
27.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up?	No
28.	Project Cost(in lacs)	895

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 there of (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 project is for expansion. There will be no change in the land use. The planning is as per local land use plan.
1.2	Clearance of existing land, vegetation and buildings?	No	Total number of trees to be planted: 633 no's
1.3	Creation of new land uses?	No	NA
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Geo technical investigations have

			been carried out.
1.5	Construction works?	Yes	construction work is done as per EC received
1.6	Demolition works?	No	NA
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	• During the construction phase about 70 to 80 no's of Labors will be provided with temporary housing facilities. • The site will have temporary sheds during construction phase, which will be later dismantled.
1.8	Above ground buildings, structures or earthworks including linear structures,cut and fill or excavations and fill or excavations	Yes	Building Name & number Number of floors Height of the building (Mtrs) Plot A - Alpinia building no 1 3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor 91.80 Plot A - Basilia building no 2 3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor 91.80 Plot A - Centilia builiding no 3 3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor 91.80 Plot A - Dandelia building no 4 3 lvl Podium (Gr.+2P)+Stilt+FAS+1st -26th Floor 91.80 Plot A - Eucalyptia building no 5 2 lvl Basement + 3lvl Podium(Gr.+2P)+Sti
1.9	Underground works including mining or tunneling?	Yes	No underground works including mining / Tunneling is required except minor activities like excavation of earth only for basement, foundation, lay down of pipes, underground storage tank, electric cables, mobile STPs etc.
1.10	Reclamation works?	No	NA
1.11	Dredging?	No	NA
1.12	Offshore structures?	No	NA
1.13	Production and manufacturing processes?	No	NA
1.14	Facilities for storage of goods or materials?	Yes	Separate raw material storage yard will be made, which will be temporary. Construction Phase: • Cement will be separately stored under cover in bales. • Sand will be stacked neatly under tarpaulin cover. • Bricks and steel will be laid in open. Operation Phase: Storage area for Manure and Sludge will be provided.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Construction Phase: Construction waste generated shall be properly disposed off as per the municipal laws. The necessary metal and recyclable waste shall be sold to vendors for recycling. The solid waste generated by the onsite workers shall be handed over to municipal authority for safe disposal.

			Operation Phase: The Total solid waste generation for the entire project will be 10816 kg/day. Dry waste 4380 kg/day Wet waste 6436 kg/day This will be treated/disposed off as per follow
1.16	Facilities for long term housing of operational workers?	No	No, There shall be no facilities for long term housing of operational workers
1.17	New road, rail or sea traffic during construction or operation?	No	There will be no new road and rail.
1.18	New road, rail, air water borne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	NA
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There will be no diversion or closure of the Completed transport routes and infrastructure.
1.20	New or diverted transmission lines or pipelines?	No	There will be no shifting of electrical transmission line. But the project involves construction of new internal pipelines for fresh water, recycled water, rain water harvesting, sewer lines and internal power distribution lines.
1.21	Impoundment, damming, culverting, realignment or other changes 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	Construction Phase: Water requirement in the construction phase will be supplied depending upon construction activity is 25 KLD will be fulfilled by private tanker water. Operation Phase: Domestic water req. shall be served by TMC water supply & flushing and landscaping water requirement shall be done by onsite STP treated water
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in the drainage pattern.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Construction: There will be movement of personnel's, materials and machineries during the construction phase. The impact due to the same will be negligible as local people will be deployed and the construction material and machinery required will be mobilized from the local area. Thus there will be contribution of marginal noise & vehicular emissions. Post Construction: During commissioning, there will be transportation of personnel's and materials in and out of the project regularly. The Com
1.26	Long-term dismantling or decommissioning or restoration works?	No	Restoration works for the project on long term will be an ongoing activity

			which will not have any impact on physical environment.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	There is no decommissioning activity.
1.28	Influx of people to an area in either temporarily or permanently?	Yes	Construction Phase During the construction phase about 70 to 80 no's Labors will be provided with housing facilities which will be purely in temporary basis and during peak hours remaining will be deployed from nearby places. Operation Phase On completion of the project, there will be regular movement of residents, visitors, staff and related personals. Plot A = 7693, Plot B = 2300 , MMRDA = 12504 (12534-30_6flats min) Total: 22399 No's
1.29	Introduction of alien species?	No	Indigenous or Natural species will be planted.
1.30	Loss of native species or genetic diversity?	No	NA
1.31	Any other actions?	No	NA

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	The plot land is non agricultural type.
2.2	Water (expected source & competing users) unit: KLD	Yes	Construction Phase: It is expected to house about 70 to 80 labours at site. Operation phase: The water requirement will be met by the TMC/Recycled water from STP Total • Fresh water: 1980 KLD • Source: TMC • Recycled water: Total: 3116 KLD Flushing: 1062 KLD, Gardening: 72 KLD
2.3	Minerals (MT)	No	
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	The construction materials, which will be used in the project site, will be procured from authorized local dealer
2.5	Forests and timber (source – MT)	Yes	For Apartments timber doors will be used. Certified wood to be used.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT),energy (MW)	Yes	Power requirement: (a) Construction Phase: 100 kVA (b) Operation Phase: • Connected load : Plot A: 28176 kW, Plot B: 2833 kW, MMRDA: 14955 kW Total Connected

			load: 45964 kW • Demand load: Plot A: 9735 kW, Plot B: 1503 kW, MMRDA: 5144 kW Total Connected load: 16382 kW • Fuel used: HSD • Common area lighting, street lighting and landscape lighting on LED • Use of electronic ballast instead of copper ballast • Providing timers for common area lighting • Use of hydro- pneuma
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

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	Each DG set shall be provided with proper acoustic enclosure. Oil spillage from construction machinery & vehicles, discarded containers of paints solvents etc, tarpaulins, etc. Hazardous waste will be management as per the rules.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	During the entire construction phase adequate precaution will be taken to avoid stagnation of water giving rise to mosquito breeding. Further, storm water network will be well designed to leave no stagnant water pockets, at any point of time. The storm water line will not cross wastewater line. Proper housekeeping practices will be adopted.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Positive impact due to enhanced and hygienic living conditions. Aesthetic value of area will be improved. It will provide employment opportunities to the local people in terms of skilled and unskilled labour during construction and service personnel during operational phase.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	There are no vulnerable areas within 1.0 km from the site.
3.5	Any other causes	No	No other causes identified.

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) with source of information data
4.1	Spoil, overburden or mine wastes	No	There is no activity which may generate spoil, overburden & mine waste.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	The solid waste management facility will be proposed as per MSW rules. Garbage will be collected manually from each of the building in the garbage collection room. The garbage collected from area will be segregated into wet and dry garbage. Operation Phase: Dry waste 4380 kg/day Wet waste 6436 kg/day Treatment & Disposal : • The biodegradable waste will be processed in OWC. • Non-Biodegradable waste will be handed over to recyclers. Dry sewage sludge will be used as manure for
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Used oil from DG set will be stored carefully at separate location duly marked and will be sold to CPCB authorized recyclers. The mercury containing lamps will not be used in the post construction phase. However, the other hazardous waste such as waste tube lights, CFL's, batteries (inverters), will be generated and will be sold to the registered actual users.
4.4	Other industrial process wastes	No	NA
4.5	Surplus product	No	NA
4.6	Sewage sludge or other sludge from effluent treatment	Yes	Dewatered / dried sludge from STP 122 kg/day will be used as manure for gardening/ landscaping.
4.7	Construction or demolition wastes	Yes	Solid waste during the construction phase would comprise mainly of excavated earth, concrete debris, steel scrap, scrap from insulation material for air-conditioning and packaging material. Cement bags, waste paper and cardboard packing material will be sold off to recyclers. Unusable steel scrap will also be collected at site and sold to recyclers. Excavated soil and rubble will be used for back filling and remaining material will be disposed by Covered trucks to the authorized sites.
4.8	Redundant machinery or equipment	No	All equipment used for the construction will be maintained on regular basis.
4.9	Contaminated soils or other materials	No	No contaminated soil found

4.10	Agricultural wastes	No	No
4.11	Other solid wastes	No	No

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	• Exhaust emission generated from Auto mobiles will be checked by proper PUC certificate. • Stationary machine like DG set will be properly maintained to reduce air pollution.
5.2	Emissions from production processes	No	There is no production as the proposed project is residential cum commercial complex.
5.3	Emissions from materials handling including storage or transport	Yes	• Emissions will be generated, while handling and transportation of materials like cement, sand etc. to site, will be temporary in nature. • Regular water sprinkling & tarpaulin covers will be provided to cover dust emissions.
5.4	Emissions from construction activities including plant and equipment	Yes	The project may cause rise in dust levels during construction phase. Precautions will be taken to reduce dust generation during construction phase. • Mixed use will eliminate the handling of cement, sand and concrete thus dust emission will be minimized. • Mixed use will also reduce the trucks trips. • Tarpaulins will be used to cover trucks carrying debris. • Water sprinkling will be done 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	Construction Phase: Dust and odour generation due to • Movement of vehicles • Material handling and storage. • Solid waste disposal. • Black water disposal. Mitigation measures: • Sprinkling water on unpaved roads. • Covering materials storage shed with tarpaulin sheet or G.I metal sheets to reduce dissipation of dust to surrounding. • Solid waste shall be collected at a designated location away from the working area for disposal and collection by municipal authority. • The liquid wa
5.6	Emissions from incineration of waste	No	Not Applicable.
5.7	Emissions from burning of waste in open air (e.g. slash	No	No such practices shall be

	materials, construction debris)		entertained.
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	Noise generation from construction equipment's used for drilling, cutting operations. During Operation Phase, Noise will be generated due to operation of DG sets. For control of noise following measures shall be adopted: • Properly maintained equipment's 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 provided with ear muffs/ear plugs.
6.2	From industrial or similar processes	No	NA
6.3	From construction or demolition	Yes	The construction noise will be localized, intermittent in nature. The construction activities will include the following noise generating activities ; 1. Excavation activities etc. 2. Concreting and mixing. 3. Heavy vehicle movement. 4. Operation of D.G sets. 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
6.4	From blasting or piling	Yes	Piling foundation is proposed
6.5	From construction or operational traffic	Yes	Construction phase: There will be 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. • Local native plants will be used in plantation which will help to reduce the impact of air and noise pollu

6.6	From lighting or cooling systems	No	NA
6.7	From any other sources	No	NA

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	NA
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	The total waste water generated will be 2445 KLD
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 dust control measures, including 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	No
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	No

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	No	Each DG set shall be provided with proper acoustic enclosure. Fire Fighting System will be provided.
8.2	From any other causes	Yes	There is a risk of accident during construction however proper safety measures will be taken.
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 zone-III as per IS1893 (Part-1):2002. The structural design shall be accordingly performed. Hence, no risk due to natural hazards is envisaged.

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
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	Supporting and ancillary development will take place. Internal Roads, Rainwater Harvesting, STP etc. will be provided. The project provides well residential housing area for the occupants
9.2	Lead to after-use of the site, which could have an impact on the environment	No	NA
9.3	Set a precedent for later developments	Yes	This will create job opportunity for support staff like security, maintenance, household workers 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

S.No	Areas	Name/Identity	Aerial distance (within 15km.) 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	No	NIL
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	NIL
4	Inland, coastal, marine or underground waters	No	NIL
5	State, National boundaries	No	The project is located within Municipal limits.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	Not Applicable.
7	Defence installations	No	No defense installation in the neighborhood.
8	Densely populated or built-up area	No	Residential, Commercial area all around the site. As per the provision of DCR
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Schools, hospitals and small temples are observed in 10 km

			radius. Site Distance from the proposed project (KM/Aerial KM) Railway Station Thane Railway station. 5.8 km Bus Station Manpada Bus Station 0.41 km Hospital Metro Hospital 0.42 km School Vasant Vihar High School & Jr. College 1.28 km College N G Bedekar College of Commerce 0.81 km
10	Areas containing important, high quality or scarce resources. (ground water resources,surface resources,forestry,agriculture,fisheries,tourism,minerals)	No	The project will meet water from TMC for its use after proper permissions are obtained.
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	All parameters of Air, water and Noise etc. will be maintained within the permissible limit
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) similar effects	No	This area is generally plain& come under seismic zone –III according to Indian Standard Seismic zoning map.

(IV) PROPOSED TERMS OF REFERENCE FOR EIA STUDIES

1	**Uploaded Proposed TOR File**	Annexure-TOR file
2	**Uploaded scanned copy of covering letter**	Annexure-scanned copy of covering letter
3	**Uploaded Pre-Feasibility report(PFR)**	Annexure-PFR
4	**Uploaded additional attachments(only single pdf file)**	Annexure-Additional attachments
5	**Uploaded Form-1A**	Annexure-Form-1A
6	**Uploaded Conceptual Plan**	Annexure-Conceptual Plan

Essential Details Sought			
S. No.	**EDS Sought Date**	**EDS Sought**	**Letter**
NO Record			

(V) Undertaking

The aforesaid application and documents furnished here with are true to my knowledge

V. (i)	Name	M/S. ACME HOUSING INDIA PVT. LTD.
	Designation	Owner
	Company	M/S. ACME HOUSING INDIA PVT. LTD.
	Address	Building 10,5th floor, solitaire Corporate park, Guru Hargovindji Road, Chakala, Andheri East,Mumbai