

Form I

Application for

**Prior Environment Clearance under SO1533, dated 14th September, 2006
and further amendments**

for

**Project "Expansion of Residential Project - CANOPY"
Sy. No. 36-06, 36-08, 36-09, 36-10
Bolor Village No.90 B, Urwa Store
Ashoknagar, Mangalore Taluk
Dakshina Kannada District
Karnataka**

Proposed by

**M/s. Mohtisham Complexes Pvt. Ltd.
VII Floor, Empire Building, M.G. Road,
Mangalore, Karnataka**

FORM 1**(I) Basic Information**

Sr. No.	Item	Details
1.	Name of the Project	Expansion (Construction of additional one floor) of residential project 'Canopy'
2.	Serial No. of the Schedule	8(a) Building and Construction Project
3.	Proposed capacity/area/length/tonnage to be handled/command area/ lease area/ number of wells to be drilled	Proposed built up area: 1527.5 sqm. After expansion the built up will be 72762.05 including existing 71234.61 sqm Total of 267 residential flats after expansion
4.	New/Expansion/Modernization	Expansion of Building and Construction Project
5.	Existing capacity/ Area etc	Plot area: 14933.43 sqm
6.	Category of Project i.e. 'A' or 'B'	B
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.	36-06,36-08, 36-09, 36-10
	Village	Bolloor No-90 B
	Tehsil	Mangalore
	District	Dakshina Kannada
	State	Karnataka
10.	Nearest railway station/airport along with distance in kms.	Mangalore Central Railway Station is approx. 4 km* away Bajpe International Airport approx. 8 km* away (*Aerial distance)
11.	Nearest Town, City, District Headquarters along with the distance in kms.	Within the limits of Mangalore City Corporation.

Sr. No.	Item	Details
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Mangalore City Corporation Lalbagh, Mangalore
13.	Name of the applicant	M/s. Mohtisham Complexes Pvt. Ltd. VII th Floor, Empire Building, M.G. Road Mangalore, Karnataka
14.	Registered Address	M/s. Mohtisham Complexes Pvt. Ltd. VII th Floor, Empire Building, M.G. Road Mangalore, Karnataka
15.	Address for correspondence:	M/s. Mohtisham Complexes Pvt. Ltd. VII th Floor, Empire Building, M.G. Road, Mangalore, Karnataka
	Name	Mr. S.M. Arshad
	Designation (Owner/Partner/CEO)	Managing Director
	Address	M/s. Mohtisham Complexes Pvt. Ltd. VII th Floor, Empire Building, M.G. Road, Mangalore, Karnataka
	Pin code	575003
	E-mail	info@mohtisham.com
	Telephone	0824-2420505/ 5277011
	Fax No.	0824-4277015/ 2441474
16.	Details of alternative sites examined, if any. Location of these sites should be shown on a toposheet	No.
17.	Interlinked Projects	No.
18.	Whether separate application of interlinked project has been submitted?	No.
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	

Sr. No.	Item	Details
	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?	No. No. No.
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 Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	No.

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 give, if any to the project will be revoked at our risk and cost.



Signature of Applicant

Date: 29/07/2017

Place: Mangalore

Note:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a CRZ map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. CRZ (at the stage of TOR) and the recommendations of the state Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the CRZ Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by the Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC)
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 authorised signatory only. The authorized signatory should also submit a document in support of his claim of being an authorised signatory for the specific project

(I) 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)	Yes	The project is a joint venture of M/s Manasa Developers (land owner) and Mohtisham Complexes Pvt. Ltd., Mangalore. Land was converted to residential from industrial land use. EC was obtained for the construction of a residential building of 2B+G+16 upper floors (EC dated 21-2-2012 enclosed as Annex VIII). As additional built up can be availed as TDR, additional one floor is proposed. As per the existing building license, permission for construction up to only 14 Floors is obtained and constructed. The permission for additional construction (15th,16th and 17th floor) will be obtained together against obtaining TDR. After expansion, the building will be 2B+G+17+ terrace floor.
1.2	Clearance of existing land, vegetation and buildings?	No	No clearance of vegetation of buildings is involved. The proposed expansion involves addition of one floor in the building under construction.
1.3	Creation of new land uses?	No	The proposed expansion involves addition of one floor in the building under construction.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Preconstruction investigation has been done already.
1.5	Construction works?	Yes	Addition of one extra floor of 1527.5 sq.m in the building under construction.
1.6	Demolition works?	No	Please refer to the explanation given above.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	A labour colony of approx. 150 labours exists at the project site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and	Yes	Only construction of additional floor above 16 th floor of a building construction project.

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
	fill or excavations		
1.9	Underground works including mining or tunneling?	No	Not applicable.
1.10	Reclamation works?	No	Not applicable.
1.11	Dredging?	No	Not applicable.
1.12	Offshore structures?	No	Not applicable.
1.13	Production and manufacturing processes?	No	Not applicable.
1.14	Facilities for storage of goods or materials?	No	Temporary godowns/ temporary storage yards already set for ongoing construction activity and the same facility will be used.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>Construction Phase:</p> <p>1. Solid waste: is segregated and disposed through the facility of MCC. Proper facility for storage of construction wastes is made at Project site. Steel scrap, packaging material etc. are sold to recyclers.</p> <p>2. Liquid waste: The sewage generating from the temporary toilets is connected to underground drainage facility.</p> <p>Operation Phase:</p> <p>1. Solid waste: The solid waste generated will be segregated into bio degradable, non-biodegradable and inert waste. Depending upon the requirement of manure at the site for gardening, the biodegradable waste will be composted and the excess biodegradable waste shall be sent to Common solid waste management facility of MCC along with the non-biodegradable waste. Inert waste (bottles, tins) along with other scrap will be sold to recyclers.</p> <p>2. Liquid waste: The sewage volume of 177 kld will be treated in the STP of 180 kld proposed for the existing building under construction. Treated water will be used for horticulture and flushing.</p>

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.16	Facilities for long term housing of operational workers?	No	Not applicable.
1.17	New road, rail or sea traffic during construction or operation?	No	Temporary/short-term/intermittent traffic of approx. 5 trucks per day for haulage of construction material may be generated for a very short time
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not applicable.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not applicable.
1.20	New or diverted transmission lines or pipelines?	No	Not applicable.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not applicable.
1.22	Stream crossings?	No	Not applicable.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	<p>Construction phase: Approx. 50 kld Source: Existing open well and bore well.</p> <p>Operation phase: Approx. 149 kld including existing. Source: Mangalore City Corporation, existing open well and bore well in case of scarcity.</p>
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Not applicable
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	<p>Construction Phase:</p> <ul style="list-style-type: none"> • Construction materials will be transported to the site by the means of trucks/dumpers. <p>Operation Phase:</p> <ul style="list-style-type: none"> • Approx. 20-25 workers for maintenance • Residents or commuters during the

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			operation phase will use self-owned/ public transportation facilities.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not applicable
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not applicable
1.28	Influx of people to an area in either temporarily or permanently?	No	Construction Phase: Existing labourers at the site will continue to work for the project. Operation Phase: Approx. 1300 people will reside in the complex including existing project.
1.29	Introduction of alien species?	No	Not applicable.
1.30	Loss of native species or genetic diversity?	No	Not applicable.
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):

Sr. 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	No agricultural activity going on the site at present. The proposed development is as per the Master Plan of Mangalore.

Sr. No.	Information/checklist confirmation	Yes /No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.2	Water (expected source & competing users) unit: KLD	Yes	<p>Construction phase: Source: Existing open well and bore well if required. Requirement: Approx. 50 kld</p> <p>Operation phase: Source: MCC; existing open well and bore well in case of scarcity.</p> <p>Requirement: 149 kld of Freshwater + 86 kld of Recycled water including existing</p> <p>Refer Annex IV for Water Balance.</p>
2.3	Minerals (MT)	No	The proposal pertains to the construction activity only. Hence, no minerals will be used.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	<p>Insignificant amount of building materials will be used for the construction of additional one floor.</p> <p>Cement approx. : 6100 Bags, Steel approx. : 60 T Sand approx. : 550 cum Masonry approx. : 12200 (Nos.) Jelly (20mm) : 370 (cum) Jelly (40mm) :10 (cum)</p> <p>Material shall be procured from local Dealers.</p>
2.5	Forests and timber (source – MT)	No	Minimal use of timber runners for shuttering work in civil construction.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	<p>Construction phase: Approx. 80 kVA from MESCOM and 1 DG of 120 kVA backup with fuel (Diesel) 24 l/hr.</p> <p>Operation Phase: Approx. 630 kVA from MESCOM and 250 kVA & 400 kVA DG set as backup with total fuel requirement of (Diesel) 250 l/hr.</p>
2.7	Any other natural resources (use appropriate standard units)	No	Not Applicable.

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

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	Not applicable
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not applicable
3.3	Affect the welfare of people e.g. by changing living conditions?	No	Insignificant increase due to addition of only one floor is envisaged.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	Not applicable
3.5	Any other causes	No	Not applicable

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

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	Not applicable.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	<p>During operation phase: Total Solid waste: Approx. 585 kg/day, of which approx. 293 kg will be organic, 117 kg inorganic and 176 kg of inert waste, respectively after expansion including existing.</p> <p>After segregation, based on the requirement for horticulture, required amount of biodegradable waste shall be composted. Rest of the waste</p>

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
			along with the non biodegradable will be sent to Common Solid Waste management Facility.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Sump oil from the standby DG to be sold to Authorized Recyclers. However, no significant amount is envisaged as it is a very small expansion.
4.4	Other industrial process wastes	No	Not Applicable.
4.5	Surplus product	No	Not Applicable.
4.6	Sewage sludge or other sludge from effluent Treatment	Yes	Operation phase: Total sewage sludge generated from the proposed activity will be insignificant as the total from the entire project including existing will be about 5 kg per day. This will be used as manure at the Project site.
4.7	Construction or demolition wastes	Yes	Insignificant. However, Concrete Waste / damaged construction material, sieved sand, broken brick bats and chipped plaster will be used in the construction of roads under margins/pitching of storm water drains, etc. Broken tiles, wasted sanitary ware, broken glass and other glazed/vitrified material will be collected, broken again into suitable size pieces and used for mosaic work. Metal scraps will be sold to local scrap dealers for onward recycling. Waste packaging material and wooden waste, used plastic bags of cement and other construction material will be sold back to the supplier for reuse. Plastic and paper waste will be sold to registered recyclers
4.8	Redundant machinery or equipment	No	Not applicable.
4.9	Contaminated soils or other materials	No	Not applicable.
4.10	Agricultural wastes	No	Not applicable.
4.11	Other solid wastes	No	Not applicable.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/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 source	Yes	There will be minor vehicular pollution during construction and operation phase. Negligible emissions from small DG set only during for construction phase. Two DGs of 250 and 400 kvA to be operated intermittently during power shortage in operation phase.
5.2	Emissions from production processes	No	Not applicable.
5.3	Emissions from materials handling including storage or transport	No	Not applicable.
5.4	Emissions from construction activities including plant and equipment	Yes	Minimal fugitive emissions during unloading of construction material, concrete mixers and negligible emission from small DG sets.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	During the construction phase, there will be some dust generation due to handling of raw material and movement of vehicles carrying raw material.
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	Not applicable.
5.8	Emissions from any other sources	No	Not applicable.

4. 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 with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Construction phase: From concrete mixers, trucks, vibrators etc.

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
			Operation phase: Minimal traffic noise due to on-site traffic.
6.2	From industrial or similar processes	No	Not applicable.
6.3	From construction or demolition	Yes	Construction phase: From concrete mixers, trucks, tower cranes, etc.
6.4	From blasting or piling	No	Not applicable.
6.5	From construction or operational traffic	Yes	Construction phase: Noise will be generated due to trucks carrying the construction material/ and construction activities. Operation phase: During operation phase, noise will be generated due to traffic.
6.6	From lighting or cooling system	No	Not applicable.
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:

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	Not applicable
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	After expansion, approx. 177 kld of sewage would be treated in sewage treatment plant of 180 kld to meet the discharge standards of KSPCB. The treated wastewater will be reused for flushing (62 kld), & horticulture (25 kld).
7.3	By deposition of pollutants emitted to air into the land or into water	No	Dust particles generated during construction will be settled continuously by spraying water.
7.4	From any other sources	No	Not applicable.

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
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

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	Not applicable.
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	Project is in Earthquake Zone III. The design of the building is as per the IS 1893: Part (1) 2002 (Criteria for earth quake resistance design of structures - Part 1 General Provisions and Buildings). Stability Certificate of the project is enclosed as Annex IX.

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.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development 	No	All supporting infrastructure is in place for the project. The proposed construction includes only addition of one floor.

Sr. No.	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
	<ul style="list-style-type: none"> • extractive industries • supply industries • other 		
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not applicable.
9.3	Set a precedent for later developments	No	Not applicable.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not applicable.

(II) 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	Not applicable.
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	Not applicable.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	No	Not applicable.
4	Inland, coastal, marine or underground waters	No	Not applicable.
5	State, National boundaries	No	Not applicable.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	Not applicable.

Sr. No.	Areas	Name/ Identity	Aerial distance (within 15 km) Proposed Project location boundary
7	Defense installations	No	Not applicable.
8	Densely populated or built-up area	No	As per the Master Plan of Mangalore, the project site is located in the moderately populated zone of Mangalore City Corporation limits.
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Yes	The Project site is within Mangalore City Corporation limits where high quality community facilities are available.
10	Areas containing important, high quality or scarce resources(<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	No	Not applicable.
11	Areas already subjected to pollution or environmental damage (<i>those where existing legal environmental standards are exceeded</i>)	No	Not applicable.
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	Project is in Seismic Zone III. The building will be designed as per IS 1893: Part (1) 2002 (Criteria for earth quake resistance design of structures - Part 1 General Provisions and Buildings).