

Form-I for seeking clearance for project attracting CRZ notification

Basic information:

Name of the Project	Proposed construction of Resort on plot bearing gut No. 31/1, 30/2/3(C+E), Mauje Chandranagar, Tal: Dapoli, Dist: Ratnagiri.
Location or site alternatives under consideration	The site is ideal for development of resort by integration of architecturally sustainable design with natural environment with least damage to nature. The land is ownership land and development on site in line with local regional planning rules and also confirms with the CRZ norms. Further, the site has no ecologically sensitive particularities.
Size of the project (in terms of total area)	Total plot area is 15950 Sqm
CRZ classification of the area	CRZ III area (between 200 m to 500 m from the HTL of the Arabian Sea)
Expected cost of the project	Rs.2,40,31,000 / - (Two Crore Fourty Lac Thirty One Thousand only)
Contact Information	1) Mr. Amit Kamat, 110/1 R K Nagar , Kolhapur Mob. 09422096563 2) Mr. Sunil Jain 101, Amelia , Model Colony ,Pune.

(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, and the like)

Sr. No.	Information/Checklist confirmation	Yes/No	Details
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	<p>The site is mix of flat & sloppy terrain. At present, the plot under reference is vacant, wherein the development is proposed. Development of the resort confirm to the development for that area. Development will be in accordance with the local planning Authority and within the framework of approved coastal land use map by Space Application Centre.</p> <p>The Coastal land use map shows no ecologically sensitive features such as mangroves, sand dunes, intertidal areas etc.</p> <p>Google image of the site showing the land use pattern is attached herewith as Annexure 7</p>
1.2	Details of CRZ classification as per the approved Coastal Zone Management Plan?	Yes	<p>Approved Coastal land use map prepared by the Space Application Centre shows that the site is situated between 200 m to 500 m from the HTL of the Arabian Sea.</p> <p>Approved Coastal land use map</p>

			<p>of SAC showing site is attached herewith as <u>Annexure 4</u></p> <p>Detailed CRZ study done by IRS Chennai . CRZ map prepared by IRS Chennai is attached with proposal.</p>
1.3	Whether located in CRZ-I area?	No	The site is beyond 200 m from the HTL of Arabian Sea.
1.4	The distance from the CRZ-I areas.	-	More than 200 m.
1.5	Whether located within the hazard zone as mapped by Ministry of Environment and Forests/National Disaster Management Authority?	-	Hazard line demarcation map of the MoEF, New Delhi is not available in public domain.
1.6	Whether the area is prone to cyclone, tsunami, tidal surge, sub duction, earthquake etc.?	-	The site is mix of hilly and plain & sloppy platue. It is situated beyond 200 m from the High Tide Line towards land ward side. The site is not prone to tidal surge, tsunami etc.
1.7	Whether the area is prone for saltwater ingress?	No	The site is beyond 200 m from the High Tide Line towards land ward side. Hence, possibility of saline ingress to the site is not the case.
1.8	Clearance of existing land, vegetation and buildings?	Yes	The site has trees and shrubs. considering the design layout of the proposed resort, selective trees and shrubs will be cleared to make room for the resort.
1.9	Creation of new land uses?	No	Development of resort confirms to local planning rules with respect to land development.
1.10	Pre-construction investigations e.g. bore hole, soil testing?	No	It will be undertaken before the construction activities.

1.11	Construction works?	Yes	<p>Construction of resort is proposed between 200 m to 500 m from the HTL of Arabian Sea.</p> <p>Details of construction is as follows:</p> <p><i>Resort 2:</i></p> <ul style="list-style-type: none"> • Reception restaurant and kitchen • Cottages 10 Nos <p>Layout plan for the construction with FSI statement is attached herewith as <u>Annexure 6</u></p>
1.12	Demolition works?	No	The site is vacant.
1.13	Temporary sites used for construction works or housing of construction workers?	-	There will be temporary accommodation (2 sheds) with sanitary facilities for construction workers during construction phase of the project.
1.14	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	-	Excavation is proposed for the development of resort.
1.15	Underground works including mining or tunneling?	No	No mining and tunneling activity is proposed.
1.16	Reclamation works?	No	No reclamation work is involved in the proposed activities.
1.17	Dredging/reclamation/land filling/disposal of dredged material etc.?	No	-
1.18	Offshore structures?	NA	-
1.19	Production and manufacturing processes?	NA	-

1.20	Facilities for storage of goods or materials?	NA	Storage of the construction material will be done on site.
1.21	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>Construction debris generated during construction phase from the proposed construction will be disposed as per prescribed norms of the local body.</p> <p>Solid waste generated from resort during operation phase will be processed in organic waste convertor. Efforts will be made to make the resort 'plastic carry bag free zone'.</p> <p>Sewage treatment plant of adequate size will be installed to treat the waste water. Treated water will be used for gardening & other non potable use.</p>
1.22	Facilities for long term housing of operational workers?	No	-
1.23	New road, rail or sea traffic during construction or operation?	No	-
1.24	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	-
1.25	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	-
1.26	New or diverted transmission lines or pipelines?	No	-

1.27	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	The site has no water body.
1.28	Stream and river crossings?	No	-
1.29	Abstraction or transfers of water from ground or surface waters?	No	-
1.30	Changes in water bodies or the land surface affecting drainage or run-off?	No	-
1.31	Transport of personnel or materials for construction, operation or decommissioning?	Yes	There will be transport of construction material and personnel during construction phase. All the precautionary measures will be taken during transportation so as to avoid the spillage of material and dust emission from the material.
1.32	Long-term dismantling or decommissioning or restoration works?	No	-
1.33	Ongoing activity during decommissioning which could have an impact on the environment?	No	-
1.34	Influx of people to an area in either temporarily or permanently?	Yes	Development of resort on plot will attract tourists population in the area. Around 200 persons per day is expected population projection.
1.35	Introduction of alien species?	No	-
1.36	Loss of native species or genetic diversity?	No	-
1.37	Any other actions?	No	-

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

Sr. No.	Information/checklist confirmation			
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Land is open land.	
2.2	Water (expected source & competing users) unit: KLD	-	<p>During construction phase, water requirement will be around 5 KLD.</p> <p>During operation phase- water requirement will be around 25 KLD</p> <p>Water requirement will be met through boring and Rainwater harvesting.</p>	
2.3	Minerals (MT)	-	-	
2.4	Construction material - stone, aggregates, sand/soil (expected source — MT)	-	List of construction material for development of resort is attached herewith as Annexure 3	
2.5	Forests and timber (source - MT)	-	Annexure III	
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	-	Power supply requirement will be met through Maharashtra State Electricity Board + Generator.	

			Solar lightning will be provided for illumination of the resort.	
2.7	Any other natural resources (use appropriate standard units)	No	-	

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

Sr. No.	Information/Checklist confirmation			
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	-	
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	-	
3.3	Affect the welfare of people e.g. by changing living conditions?	No	-	

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

Sr. No.	Information/Checklist confirmation			
4.1	Spoil, overburden or mine wastes	No	-	
4.2	Municipal waste (domestic and or commercial wastes)	No	Domestic solid waste will be processed in organic waste convertor.	
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	-	

4.4	Other industrial process wastes	No	-	
4.5	Surplus product	No	-	
4.6	Sewage sludge or other sludge from effluent treatment	No	Domestic sewage arising from resort during operation phase will be treated in Sewage Treated plant.	
4.7	Construction or demolition wastes	No	Construction debris will be disposed as per the prescribed norms of the local planning Authority.	
4.8	Redundant machinery or equipment	No	All the construction equipments /machinery will be taken out post construction.	
4.9	Contaminated soils or other materials	No	-	
4.10	Agricultural wastes	No	-	
4.11	Other solid wastes	No	-.	

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

Sr. No.	Information/Checklist confirmation		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	No	-	
5.2	Emissions from production processes	No	-	
5.3	Emissions from materials handling including storage or transport	No	-	

5.4	Emissions from construction activities including plant and equipment	-	-	
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	-	Adequate Dust suppression measures will be implemented to mitigate the dust nuisance during construction phase of the project.	
5.6	Emissions from incineration of waste	No	Waste will not be incinerated.	
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	-	
5.8	Emissions from any other sources	No	-	

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

Sr. No.	Information/Checklist confirmation			
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	Noise silencers will be installed in equipments / machinery during construction phase of the project.	
6.2	From industrial or similar processes	-		
6.3	From construction or demolition	-	Noise barriers will be put up to mitigate the noise levels. Noise level will be within prescribed limit.	
6.4	From blasting or piling	No	-	
6.5	From construction or operational traffic	-	-	
6.6	From lighting or cooling systems	-	-	
6.7	From any other sources	-	-	

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

Sr. No.	Information/Checklist confirmation			
7.1	From handling, storage, use or spillage of hazardous materials	No	-	
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	-	
7.3	By deposition of pollutants emitted to air into the land or into water	No	--	
7.4	From any other sources	-	-	
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	-	-	

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

Sr. No.	Information / Checklist confirmation			
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	Best construction practices and engineering methods will be used to handle storage, handling and transportation of materials.	
8.2	From any other causes	-	-	
8.3	Could the project be affected by natural disasters causing environmental damage (e.g., floods, earthquakes, landslides, cloudburst etc)?	-	-	

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			
9.1	Lead to development of supporting. Facilities , ancillary development or development stimulated by the project which could have impact on the environment e.g.: Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) housing development extractive industries supply industries other	No	-	
9.2	Lead to after-use of the site, which could have an impact on the environment	No	-	
9.3	Set a precedent for later developments	Yes	Development of resort will attract tourist population in the area, which may set precedent for development of surrounding area.	
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	-	-	

III. Environmental Sensitivity.

Sr. No.	Information/Checklist confirmation			
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	-	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Project site falls within the 200 m to 500 m distance from the High Tide Line from the Arabia Sea. The site has no ecologically sensitive areas.	
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No.	The site has no ecologically sensitive area.	
4	Inland, coastal, marine or underground waters	Yes	Project site falls in CRZ.	
5	State, National boundaries	No	-	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	-	Development of resort will not hamper the public access to the seafront.	
7	Defense installations	No	-	
8	Densely populated or built-up area	No	Chandranagar village settlement is around 1 km from the project site.	
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	No	-	

10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	-	
11	Areas already subjected to pollution or environmental damage, (those where existing legal environmental standards are exceeded)	No	-	
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	-	Area has no recent history of extreme or adverse climatic conditions.	

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