

**FORM-I FOR SEEKING CLEARANCE
FOR PROJECT ATTRACTING CRZ NOTIFICATION**

Basic information -																																																
Name of the Project		Construction of saline embankments of thirteen schemes in Raigad district, Maharashtra.																																														
Location or site alternatives under consideration		No																																														
Size of the project (in terms of total area)		<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Name of Scheme</th> <th>Length of Embankment (m)</th> </tr> </thead> <tbody> <tr><td>1</td><td>Kandalvada New</td><td>8640</td></tr> <tr><td>2</td><td>Kandalvada Old</td><td>1110</td></tr> <tr><td>3</td><td>Kudgaon Harvit</td><td>1320</td></tr> <tr><td>4</td><td>Yashvanti</td><td>2010</td></tr> <tr><td>5</td><td>Uchel Virjoli</td><td>2435</td></tr> <tr><td>6</td><td>Gophan</td><td>930</td></tr> <tr><td>7</td><td>Belkhar Lebhi</td><td>3660</td></tr> <tr><td>8</td><td>Sonkotha Hashivare</td><td>5630</td></tr> <tr><td>9</td><td>Narangi</td><td>3845</td></tr> <tr><td>10</td><td>Bhonang</td><td>4040</td></tr> <tr><td>11</td><td>Shahabaj</td><td>11000</td></tr> <tr><td>12</td><td>Rayande Pezari</td><td>1920</td></tr> <tr><td>13</td><td>Jui Habbas</td><td>4118</td></tr> </tbody> </table>		Sr.No.	Name of Scheme	Length of Embankment (m)	1	Kandalvada New	8640	2	Kandalvada Old	1110	3	Kudgaon Harvit	1320	4	Yashvanti	2010	5	Uchel Virjoli	2435	6	Gophan	930	7	Belkhar Lebhi	3660	8	Sonkotha Hashivare	5630	9	Narangi	3845	10	Bhonang	4040	11	Shahabaj	11000	12	Rayande Pezari	1920	13	Jui Habbas	4118			
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Contact Information		Name: Mr. Waghmare Address: Sinchan Bhawan, 4 th Floor Kopri Colony, Thane East, Phone: 022- 25329886 Email : kldctthane@rediffmail.com																																														

(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 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	Barren/uncultivable land will get converted into agricultural land after the construction of saline embankments.
1.2	Details of CRZ classification as per the approved Coastal Zone Management Plan?	Yes	As per approved plan proposed project area falls under CRZ I Attached as Annexure-III of EIA.
1.3	Whether located in CRZ-I area?	Yes	Located in CRZ I area
1.4	The distance from the CRZ-I areas.	Yes	Proposed Project falls within CRZ I area
1.5	Whether located within the hazard zone as mapped by Ministry of Environment and Forests/National Disaster Management Authority?	No	-
1.6	Whether the area is prone to cyclone, tsunami, tidal surge, subduction, earthquake etc.?	No	-
1.7	Whether the area is prone for saltwater ingress?	Yes	Salt water ingress may occur due to degradation of existing bunds.
1.8	Clearance of existing land, vegetation and buildings?	No	Not required
1.9	Creation of new land uses?	No	-
1.10	Pre-construction investigations e.g. borehole, soil testing?	No	-
1.11	Construction works?	Yes	Project involves construction of Saline embankments. Detailed flow chart is given in the EIA report.
1.12	Demolition works?	No	-
1.13	Temporary sites used for construction works or housing	No	-

	of construction workers?		
1.14	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	-
1.15	Underground works including mining or tunneling?	No	-
1.16	Reclamation works?	No	-
1.17	Dredging/reclamation/land filling/disposal of dredged material etc.?	No	-
1.18	Offshore structures?	No	-
1.19	Production and manufacturing processes?	No	-
1.20	Facilities for storage of goods or materials?	No	-
1.21	Facilities for treatment or disposal of solid waste or liquid effluents?	No	-
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	-
1.28	Stream and river crossings?	No	-
1.29	Abstraction or transfers of water from ground or surface	No	-

	waters?		
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 limited transport of personnel and materials during construction stage.
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?	No	-
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):

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)	Yes	Part of undeveloped or agricultural land will be occupied by construction of saline embankment.		
2.2	Water (expected source & competing users) unit: KLD	Yes	Source: Local and Tanker supply Requirement: 0.6 KLD per site		
2.3	Minerals (MT)	No	-		
2.4	Construction material – stone, aggregates, sand/ soil (expected source – MT)	Yes	Construction material (Stones, Murum, Sand, cement, metal etc.) will be quarry		
			Sr.No.	Name of Scheme	Quarry details
			1	Kandalvada New	Dongroli (37 km), Ambet (65 km)

			2	Kandalvada Old	
			3	Kudgaon Harvit	
			4	Yashvanti	
			5	Uchel Virjoli	Khajani (5 km), Tambadi (11 km), Roha (16 km)
			6	Gophan	Gophan (3 km), Barshiv (11 km), Roha (22 km)
			7	Belkhar Lebhi	Mapgaon (6 km)
			8	Sonkotha Hashivare	
			9	Narangi	
			10	Bhonang	
			11	Shahabaj	
			12	Rayande Pezari	
			13	Jui Habbas	Gadabh (4 km), Karve (12 km), Vadkhal (14 km), Amtem (23 km)
2.5	Forests & timber (source – MT)	No	-		
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Source: MSEB Electricity & fuel will be obtained locally		
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.

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)	No	-
3.2	Changes in occurrence of	No	-

	disease or affect disease vectors (e.g. insect or water borne diseases)		
3.3	Affect the welfare of people e.g. by changing living conditions?	No	-
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	-
3.5	Any other causes, that would affect local communities, fisher folk, their livelihood, dwelling units of traditional local communities etc.	No	-

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	Small quantity of overburden (Soil) will be generated and same will be utilized for site leveling
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Domestic waste generated from workers will be handed over to authorized vendor.
4.3	Hazardous wastes (as per Hazardous waste Management Rules)	No	-
4.4	Other industrial process wastes	No	Not Applicable
4.5	Surplus product	No	-
4.6	Sewage sludge or other sludge from effluent treatment	No	Mobile toilets will be provided to workers.
4.7	Construction or demolition wastes	Yes	The waste generated from the construction activities will be reused and remaining waste will be handed over to authorize vender for further disposal.
4.8	Redundant machinery or equipment	No	-
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)

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	During Construction phase, emissions shall be from use of Construction machineries, D.G set & vehicles.
5.2	Emissions from production processes	No	Not Applicable
5.3	Emissions from materials handling including storage or transport	Yes	Minimal emissions from material handling may occur during construction phase.
5.4	Emissions from construction activities including plant and equipment	No	Not Applicable
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dispersal of particulate matter during unloading of construction material.
5.6	Emissions from incineration of waste	No	-
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:

S. 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	Noise will be generated during operation of construction equipment.
6.2	From industrial or similar processes	No	-
6.3	From construction or demolition	Yes	During construction, noise will be generated from the handling and operation of machineries and transportation of materials. Proper care will be taken for the reduction of noise pollution.

6.4	From blasting or piling	No	-
6.5	From construction or operational traffic	Yes	Transport of construction material may generate vehicular noise.
6.6	From lighting or cooling systems	No	-
6.7	From any other sources	No	-

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	-
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	No	-
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	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	-
8.2	From any other causes	No	-
8.3	Could the project be affected by natural disasters causing environmental damage (e.g., floods, earthquakes, landslides, cloudburst etc)?	No	-

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. 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	No	-
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	-

II. Environmental Sensitivity

Sr. No.	Areas	Yes/No	Name/Identity (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	--
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	All the sites mentioned in this project come under CRZ-I
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	
4	Inland, coastal, marine or underground waters	Yes	This project comes under CRZ I
5	State, National boundaries	No	-

Sr. No.	Areas	Yes/No	Name/Identity (within 15 km.) Proposed project location boundary
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	1) NH-66 (approx. 13 km, E) 2) SH-104 (approx. 2km, E) 3) SH-88 (approx. 0.34 km, NW) 4) SH-97 (approx. 6 km, S)
7	Defence installations	Yes	Civil defence (11 km, N)
8	Densely populated or built-up area	Yes	1) Virjoli village(1 km, N) 2) Alibag town (15km, SW) 3) Pen town (11.24 km, NE) 4) Kandalvada village (1 km, SE)
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	1) Saroj Tamboli Memorial Hospital (12 km, SW) 2) Pen Civil Hospital (10 km, N) 3) Shitala Devi temple (5 km, W) 4) Harihareswar temple (22, S) 5) Usroli Masjid (17 km, W) 6) K.E.S. Rambahu Patil High School (13.02 km, SW)
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)	Yes	1) JSW ISPAT Ltd. industry (from Shahabaj site 1.5 km, E) 2) JSW Steel SALAV Ltd. industry (from Gohan site 11.6 km, NW) 3) IPCL industry (15 km, E)
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)	Yes	Seismic Zone III

Place : Kalwa

Date : 27/03/2017


Executive Engineer
Kharland Development Division
Kalwa, Thane