

**FORM I****I. Basic Information**

S.N	Item	Details	
1.	Name of the project	<b>Construction of Training Walls For Permanent Stability of Bar Mouth at Pulicat Village, Ponneri Taluk and Tiruvallur District.</b>	
2.	Serial Number in Schedule	Nil	
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area /number of wells to be drilled	The length of North training wall is 160m and South training wall is 150m and depth 4.5m. Total plot area-32501 Sq.m	
4.	New/Expansion/Modernization	<b>New Project</b>	
5.	Existing Capacity/Area	Nil	
6.	Category of Project (A or B)	Nil	
7.	Does it attract a general condition? If yes please specify	The project site is within 10 Km from interstate boundaries.	
8.	Does it attract a specific condition? If yes please specify	Yes. The CRZ notification 1991	
9.	Location	<b>Site Latitude</b>	<b>Site Longitude</b>
		North training wall 13°27'55.6"N	North training wall 80°18'58.8"E
		South training wall 13°27'49 "N	South training wall 80°19'5"E
		North training wall end 13°27'58"N	North training wall end 80°19'4"E
		South training wall end 13°27'52"N	South training wall end 80°19'7"E
		Plot /Survey/Khasara No	--
	Village	Pulicat	
Tazhil	Ponneri		
District	Tiruvallur		
State	Tamil Nadu		
10.	Nearest Railway station /Airport along with distance in Kms	Ponneri Rly station -- 19.0Km (SW) Chennai Airport - 57 Km (SW)	
11.	Nearest town. city. district headquarters along with distance in Kms	Ponneri -19 km	
12.	Village Panchayats. Zilla Pasihad. Municipal corporation. Local body (Complete postal addresses with telephone no to be given)	Pulicate Panchayats	



13.	Name of the Applicant	Government of Tamil Nadu. Department of Fisheries.
14.	Registered Address	Executive Engineer, Fishing Harbor Project Division, Fishing department. II floor. Nandanam, Chennai-600035. E. mail: ee.fisheries@gmail.com Tele: 044 – 24330068 Fax: 044 – 24331708
15.	Address for correspondence	Executive Engineer, Fishing Harbor Project Division, Fishing department. II floor. Nandanam, Chennai-600035. E. mail: ee.fisheries@gmail.com Tele: 044 – 24330068 Fax: 044 – 24331708
	Name	<b>G. VELAN.</b>
	Designation (Owner/Partner/CEO)	<b>Assistant Director</b>
	Address	Fisheries Department. S14-56, Thiruvathiyur Ponneri Road. Ponneri Taluk Thiruvallur District .
	Pin code	601204
	E-mail	ponnerimarine@gmail.com
	Telephone No	9943704045
	Fax No.	
16.	Details of alternate sites examined, if any. Location of these sites should be shown on a topo sheet	No any alternatives site. Department of Ocean Engineering. IIT Madras to visit and identify coastal stretches of Pulicat Lake and suggest suitable location for estuary mouth training works to stabilize the mouth opening. In order to support fisherman livelihood of pulicat and nearby village. the Fisheries Department. Government of Tamilnadu intends to Construction of Training Walls for Permanent Stability of Bar Mouth at pulicat which will give access to fishermen in all seasons of the year.
17.	Interlinked Project	Nil
18.	Whether separate application of interlinked project has been submitted?	Nil
19.	If yes. date of submission	Nil
20.	If No. reason	Nil



21.	Whether the proposal involves approval/clearance under; if yes, details of the same and their studies to be given. The forest (Conversion) Act, 1980? The wildlife (Production) Act, 1972? The CRZ Notification, 1991?	Yes This proposal require clearance under CRZ 1991 notification.
22.	Whether there is any Government order/policy relevant/relating to the site?	Government Order (G.O (D) No 70) for proposed project site are given in <b>Annexure I.</b>
23.	Forest land involved (Hectares)	No
24.	Whether there is any litigation pending against the project the project is proposed to be set up? Name of the court Case No Orders/direction of the court, if any and its relevance with the proposed project.	No litigation in pending against this project.

**Cost of the Project:**Cost of the Project falling under CRZ zone – **Rs.2700 Lakhs****(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, and the like)**

S.N	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	Construction of two training walls to provide Permanent Stability of Bar mouth As such, there will not be any change in land use.
1.2	Details of CRZ classification as per the approved Coastal Zone Management Plan?	Yes	Demarcation of High Tide Line/Low Tide Line was done by Institute of Remote Sensing, Anna University, and Chennai. As per the Demarcation Map, the Project area falls under <b>CRZ-I &amp; IV.</b>
1.3	Whether located in CRZ-I area?	Yes	Inter tidal Zone
1.4	The distance from the CRZ-I areas.	No	Not Applicable

1.5	Whether located within the hazard zone as mapped by Ministry of Environment and Forests/National Disaster Management Authority?	No	Not Applicable
1.6	Whether the area is prone to cyclone, tsunami, tidal surge, subduction, earthquake etc.?	Yes	The project area is located in seismic zone – III. There may be chances likely to experience cyclones.
1.7	Whether the area is prone for saltwater ingress?	Yes	Project location is part of <b>CRZ-I &amp; IV</b> . No prone for saltwater ingress.
1.8	Clearance of existing land, vegetation and buildings?	No	There is no existing vegetation or building at the project location. So clearance is not required.
1.9	Creation of new land uses?	No	Only construction of training walls provided for Permanent Stability of Bar mouth will be constructed in the earmarked site and so there will not be any creation of new land use.
1.10	Pre-construction investigations e.g. borehole, soil testing?	Yes	Topographical and mathematical survey has been carried out by IITM & DPS prepared.
1.11	Construction works?	Yes	Construction of Permanent Stability of Bar mouth will be undertaken.
1.12	Demolition works?	No	Not Applicable
1.13	Temporary sites used for construction works or housing of construction workers?	Yes	A small area will be utilized temporarily for construction of sheds for the workers and materials. Water supply and sanitation facilities will be provided for them.
1.14	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavation works will be carried out for Permanent Stability of Bar mouth.
1.15	Underground works including mining or tunneling?	No	Not Applicable
1.16	Reclamation works?	No	Not Applicable
1.17	Dredging/reclamation/Land filling / disposal of dredged material etc.?	Yes	Dredging will be carried out in between of North and South training wall.
1.18	Offshore structures?	No	Not Applicable.
1.19	Production and manufacturing processes?	No	Not Applicable.
1.20	Facilities for storage of goods or materials?	No	Not Applicable.





1.21	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Not Applicable.
1.22	Facilities for long term housing of operational workers?	No	Not Applicable.
1.23	New road, rail or sea traffic during construction or operation?	No	Temporary road only proposed. No any new road and traffic in during construction and operation
1.24	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Temporary road is proposed to a length of 5.00Km and a width of 4.50m for conveying the stone.
1.25	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The construction of training wall will be in sea, there is no need for closure or diversion of existing transport routes.
1.26	New or diverted transmission lines or pipelines?	No	Not Applicable.
1.27	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There will be no Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers.
1.28	Stream and river crossings?	No	No any crossing of stream and river.
1.29	Abstraction or transfers of water from ground or surface waters?	No	No Ground water shall be abstracted.
1.30	Changes in water bodies or the land surface affecting drainage or run-off?	No	Not Applicable.
1.31	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transportation of personnel or construction materials during construction phase will be through Temporary roads only.
1.32	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
1.33	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not Applicable
1.34	Influx of people to an area in either temporarily or permanently?	Yes	During construction period workers will be deployed locally.
1.35	Introduction of alien species?	No	No such alien species are envisaged.
1.36	Loss of native species or genetic diversity?	No	No loss of native species will occur as the site is plain barren land.
1.37	Any other actions?	No	No other actions





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	There is no agricultural land.
2.2	Water (expected source & competing users) unit: KLD	No	There is no abstraction of ground water.
2.3	Minerals (MT)	No	Since the proposed project is the construction of Permanent Stability of Bar mouth will be no usage of minerals.
2.4	Construction material – stone, aggregates, sand/soil (expected source – MT)	Yes	Stone= 127900 MT
2.5	Forests and timber (source – MT)	No	There will be no usage of timber.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	There will be no usage Energy including electricity and fuels
2.7	Any other natural resources (use appropriate standard units)	No	There is no necessity for other natural resources.

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	No such materials will be required
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	There will not be any occurrence of diseases as our activities are confined to construction areas only
3.3	Affect the welfare of people e.g. by changing living conditions?	No	Training walls will be constructed to stabilize bar mouth.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There is no vulnerable group of people who could be affected by the project.



3.5	Any other causes, that would affect local communities, fisher folk, their livelihood, dwelling units of traditional local communities etc.	No	This proposed project will be beneficial to the local community as this project is meant for Construction of new Permanent Stability of Bar mouth.
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**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	No Spoil, overburden or mine wastes.
4.2	Municipal waste (domestic and or commercial wastes)	No	Not applicable
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	Not applicable
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	There will not be any sludge generation.
4.7	Construction or demolition wastes	Yes	There will not be generated any construction waste.
4.8	Redundant machinery or equipment	yes	Most of the transport vehicle during construction phase will be hired.
4.9	Contaminated soils or other materials	No	There is no source for contamination of soils or other materials.
4.10	Agricultural wastes	No	Does not arise.
4.11	Other solid wastes	No	Does not arise.

**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	No	Not applicable
5.2	Emissions from production processes	No	Not applicable
5.3	Emissions from materials handling including storage or transport	Yes	Emissions like dust will arise during construction phase of the transportation of materials and the dust will be controlled by slow movement of vehicles, covering the materials properly and by regular water spraying.



5.4	Emissions from construction activities including plant and equipment	No	Construction and excavating works will be carried out with well-maintained equipments.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	No dust and odour from the project site.
5.6	Emissions from incineration of waste	No	There will be no incineration activities.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No such activities will be carried out.
5.8	Emissions from any other sources	No	No emissions from any other sources.

#### 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	No	Not Applicable
6.2	From industrial or similar processes	No	Not Applicable
6.3	From construction or demolition	Yes	Noise levels in the range of 75-85 dB (A) will be generated occasionally during the construction activities. Workers in the noisy areas will be provided with earmuffs and earplugs. Equipments would have minimum noise levels meeting OSHA requirement.
6.4	From blasting or piling	No	Not applicable
6.5	From construction or operational traffic	Yes	During construction phase construction materials will be transported by vehicles, through well maintained vehicles to control noise, vibration and emissions.
6.6	From lighting or cooling systems	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:

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	There will be no handling or spillage of hazardous materials.







7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No discharge of sewage and other effluent.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Not Applicable
7.4	From any other sources	No	No other polluting sources exist.
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	No	There will not be any long term built up of pollutants in the environment from these sources.

**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	No hazardous substances and firing materials will be required either during construction or operation phase
8.2	From any other causes	No	No risks from any other sources.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g., floods, earthquakes, landslides, cloudburst etc)?	No	The site is falls under Zone-III (Moderate) according to the Indian Standard Seismic Zoning Map. The structure was designed for earthquake resistant.

**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. N	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	No	No any development.



9.2	Lead to after-use of the site, which could have an impact on the environment	No	No impact will be seen due to the proposed activity
9.3	Set a precedent for later developments	No	No any future development.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Does not arise

**(II) 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	Nil	Within 15 Km radius
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	The project area is falling within <b>CRZ-I &amp; IV.</b>
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Project site is not protected or sensitive area.
4.	Inland, coastal, marine or underground waters	Yes	The project area is <b>CRZ-I &amp; IV..</b>
5.	State, National boundaries	yes	Andhra Pradesh state is located 6km from the project site.
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	SH-104 Ponneri -Pulicat Road	5.0 km - SW
7.	Defense installations	NIL	Nil within 15 km radius
8.	Densely populated or built-up area	<ul style="list-style-type: none"> <li>• Jameelabed.</li> <li>• Pulicat</li> <li>• Gunangkuppam</li> </ul>	<ul style="list-style-type: none"> <li>• 4.2 Km - SW</li> <li>• 5.0 Km - SW</li> <li>• 4.2 Km - S</li> </ul>



9.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community)	No	Not Applicable
10.	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Not Applicable
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	Not Applicable
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)	The site falls in Zone-III (Moderate), according to the Indian Standard Seismic Zoning Map of India.	Adequate measures will be taken by providing suitable foundation for the structures to withstand earthquake etc..

"I hereby given undertaking that data and information given in the application and enclosures are true to the best of the 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 revoked at our risk and cost."

**Date:**

**Place: Chennai**



*Jeeva*

**SIGNATURE OF THE APPLICANT**

Designation **Assistant Director of Fisheries**

Address : **Thiruvallur @ Ponneri**



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