

FORM I**I) Basic Information**

Sl. No.	Item	Details
1	Name of the Project/s	Laying of Intake and Outfall pipelines in sea for setting up 4 MLD Desalination plant for M/s. Pearl Distillery Limited, Binginapalle village, Singarayakonda Mandal, at Prakasam District in Andhra Pradesh.
2	S. No in the Schedule	Not fall on any classified schedule under EIA notification 2006. Under CRZ Classification (4) (ii) (h) – desalination plants and (4) (ii) (d) Intake/outfall pipelines.
3	Name of the Project	Laying of Intake and Outfall pipelines in sea for setting up 4 MLD Desalination plant for M/s. Pearl Distillery Limited, Binginapalle village, Singarayakonda Mandal, at Prakasam District in Andhra Pradesh.
4	Location or site alternatives under consideration	Shorefront at Karedu village, Ulavapadu Mandal, at Prakasam District in Andhra Pradesh.
5	Size of the project (in terms of total area)	Area: 4 Acres.
6	CRZ classification of the area	CRZ – I (B), III, IV (A) and IV (B) as per CRZ notification 2011.
7	Expected cost of the Project	Rs. 15 Cores
8	Contact information	Subbrayan Mani, General Manager, Pearl Distillery Limited, Old Singarayakonda - 523101, Prakasam District (A.P). Ph. No: +919849525494

(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, etc.)

S.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	There will not be any change in the existing Land use. It is a barren vacant land which will be used for setting up the plant.
1.2	Details of CRZ classification as per the approved Coastal Zone Management plan?	Yes	Seawater intake and outfall pipelines: CRZ-I(B), CRZ-III (B) and CRZ - IV(A) Sump and Desalination plant CRZ – III (B)
1.3	Whether located in CRZ-I area?	Yes	Pipelines will be passing through CRZ- I B. But pipelines will be buried below the seabed.
1.4	The distance from CRZ-I areas?	Yes	Plant boundary starts from about 450 m from HTL.
1.5	Whether located in the hazardous zone as mapped by Ministry of Environment & 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 occurrence of depression and cyclones is common over the project region during NE monsoon period. The storm surge of around 1 m is expected for a cyclonic wind speed of 150 kmph. This area is not earthquake prone.
1.7	Whether the area is prone for saltwater ingress?	No	Not Applicable.
1.8	Clearance of existing land, vegetation and buildings?	No	No clearance of any involved.
1.9	Creation of new land uses?	Yes	Proposed to establish desalination plant.
1.10	Pre-construction investigations e.g. bore whole, soil testing?	No	-
1.11	Construction works?	Yes	Required building for desalination plant.
1.12	Demolition works?	No	-
1.13	Temporary sites used for construction works or housing of construction workers?	No	Construction labour from local villages shall be employed. No need to provide any temporary housing for construction workers.
1.14	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations?	No	Not Applicable.
1.15	Underground works including mining or tunneling?	No	Not Applicable.
1.16	Reclamation works?	No	No reclamation involved.
1.17	Dredging/ reclamation / land filling/disposal of dredged material etc.?	Yes	Pipeline will be buried by making a trench and refilling in the seabed.
1.18	Offshore structures?	No	Laying of seawater Intake pipeline and outfall pipeline with diffuser ports.
1.19	Production and manufacturing	No	No manufacturing activities within CRZ Area

	processes?		Manufacturing processes in the plant area which is in non-CRZ area which is about 365 m away from the Sea Shore.
1.20	Facilities for storage of goods or materials?	No	No storage of goods or materials in the CRZ area other than the seawater and the product water. The Desalination plant will be located more than 450 m away from the HTL.
1.21	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	The volume of brine reject will be released in the sea and it is about 6 MLD (or 6000 m ³ /day) at 2000 m offshore.
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	Not Applicable.
1.24	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	Yes	Not Applicable.
1.25	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No closure or diversion of existing transport routes or infrastructure is foreseen.
1.26	New or diverted transmission lines or pipelines?	No	Pipelines will be laid for discharge of brine reject into the sea.
1.27	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not envisaged.
1.28	Stream crossings?	Yes	Over the existing bridge the product water pipeline will be taken across Manneru River.
1.29	Abstraction or transfers of water from ground or surface waters?	No	Not Applicable.
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	Limited activities for few months for the construction of desalination plant and also for laying pipeline.
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	-
1.34	Influx of people to an area in either temporarily or permanently?	Yes	Influx of construction people will be there purely temporarily.
1.35	Introduction of alien species?	No	Not Applicable.
1.36	Loss of native species or genetic diversity?	No	Not Applicable.
1.37	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):

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 pipeline will be laid close to the shore. There is no agricultural land.
2.2	Water (expected source & competing)	Yes	From borrowed tankers. Quantity is limited for

	users) unit: MLD?		construction.
2.3	Minerals (MT)?	No	Not Applicable.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Apart from the construction materials required for desalination plant, concrete weights for the pipeline will be fabricated using aggregates, sand and cements.
2.5	Forests and timber (source – MT)	No.	Not Applicable.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)?	No	Temporary line APSPDCL
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.

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	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	Not Applicable.
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	None.

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	Not Applicable.
4.2	Municipal waste (domestic and or commercial wastes)?	No	Not Applicable.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)?	Yes	Not Applicable.
4.4	Other industrial process wastes?	No	There will not be any other industrial process wastes generated other than the human generated wastes mentioned in the report. It will be treated and disposed.
4.5	Surplus product?	No	Not Applicable.
4.6	Sewage sludge or other sludge from effluent treatment?	No	Not Applicable.
4.7	Construction or demolition wastes?	No	Not Applicable.
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)

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?	No	Not Applicable.
5.4	Emissions from construction activities including plant and equipment?	No	Not Applicable.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste?	No	Not Applicable.
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.

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?	No	Not Applicable.
6.4	From blasting or piling?	No	Not Applicable.
6.5	From construction or operational traffic?	No	Not Applicable.
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	Not applicable.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)?	Yes	The brine reject will be disposed in to the sea.
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	Not applicable.
7.5	Is there a risk of long term build up of pollutants in environment from these sources?	No	No major concerned pollutants from the proposed production are envisaged.

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	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	Not applicable.

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.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	The product water from the desalination plant will help to meet the fresh water requirement.
9.2	Lead to after-use of the site, which could have impact on the environment?	No	Not Envisaged. The proposed project is going to be in operation for long term.
9.3	Set a precedent for later developments?	Yes	Development of local community Improvement in Quality of life Ecological balance by sustainable development.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects?	No	Not envisaged.

(III) 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?	No	None in the study area.
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, over wintering, migration?	No	Not applicable
4	Inland, coastal, marine or underground waters?	Yes	Adjacent to Bay of Bengal and Manneru river.
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	No facilities through the site
7	Defense installations?	No	None in the study area within 10 km radius.
8	Densely populated or built-up area?	No	Far away from the villages
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)?	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)?	No	Storms may occur, but the place is well elevated and protected from such damage.

I hereby give the undertaking that 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 given, if any to the project will be revoked at our risk and cost.

Date : 23.12.2017

Place: Singarayakonda

Signature of the applicant
With Name and Full Address
(Project Proponent/Authorized Signatory)

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