

MIDPL/TNPCB/GMP/ES/ 2017- 18

Date: 10/09/2018

To,

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
EPIB Building, A.O Block,
Gummidipoondi Industrial Complex,
Gummidipoondi – 601201.

Dear Sir,


Sub: Submission of Environmental statement (Form V) for the Financial Year 2017-18

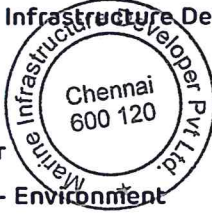
With reference to the captioned subject, we are submitting the "Environmental Statement in Form V for the financial year 2017-18" as per rule 14 of the Environmental (Protection) Rules, 1986.

Further kindly be noted that our application for name change to M/s Marine Infrastructure Developer Ltd and renewal for Consent to operate is under process by the Board.

Submitted for your kind information and records.

For, **M/s. Marine Infrastructure Developer Private Limited**


R. Sathish Kumar
Senior Manager - Environment



Enclosures: As above



Marine Infrastructure Developer Pvt Ltd
(Kattupalli Port)
Kattupalli Village, Ponneri Taluk,
Tirivalluvar District 600 120,
Tamil Nadu, India

Tel +91 44 2824 3062

CIN: U74999TN2016PTC103769

Form-V

Environmental Statement for the financial year ending 31st March 2018

Part-A

- i) **Name and Address** : Mr. Ennarasu Karunesan
Director
Marine Infrastructure Developer Private Limited
Kattupalli Village, Ponneri Taluk,
Thiruvallur – 600120
Tamil Nadu, India
- ii) **Industry Category** : **Primary**- Infrastructure **Secondary** – Minor Port
- iii) **Production Capacity** : **Handling Capacity** : 24.08 MTPA
Containers 21.60 MTPA + Ro-Ro (automobiles) 0.22
MTPA + Project cargo 0.44 MTPA + Breakbulk / General
Cargo (Barytes/Gypsum/Limestone/Granite/Steel Cargo)
1.82 MTPA
- iv) **Year of establishment** : 2009 with the issue of Environmental Clearance to L&T
Ship Building.
Bifurcation of Environmental Clearance L&T Ship
Building to Marine Infrastructure Developer Private
Limited on 09th February 2018
- v) **Date of the last
environmental statement
submitted** : 27th April 2018 in the name of LTSB ports
First Environmental Statement in the name of Marine
Infrastructure Developer Private Limited

Part -B

WATER AND RAW MATERIAL CONSUMPTION

(i) Water Consumption

S.No	Water Consumption (m ³ /Calendar Day)	2016-2017	2017-2018
1	Domestic	223.40	121.01

The project activity does not involve any product to be generated except for the operation of the port in material handling. Hence there is no water consumption per product generated. However the water is consumed for the purposes as mentioned above.

(ii) Raw Material Consumption

S.No	Name of the Raw Material/Chemicals/Other Consumptions.	Consumption during the financial year 2016 – 17.	Consumption during the financial year 2017 – 18.
1	Not Applicable	NIL	NIL

The project activity does not involve any product to be generated except for the operation of the port in material handling. Hence there is no water consumption per product generated. However the water is consumed for the purposes as mentioned above.

Part-C

**Pollution Generated
(As per consent order)**

WATER

Parameter	Consent Limit	Actual	% Variation with prescribed standard
pH	5.5-9	6.87	-Nil-
Total Suspended Solids (mg/l)	30	14	-Nil-
BOD (3 days at 27°C) (mg/l)	20	3	-Nil-
Water sewage discharged (KLD)	45	18.56	-Nil-

AIR

Point source emission with stack:

Parameter	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	% Variation with prescribed standard
PM ₁₀	Since there is no product produced, so no measurement made on mass per day basis for the products.	46	-Nil-
PM _{2.5}		10	-Nil-
SO ₂		7	-Nil-
NO ₂		9	-Nil-

Part-D

HAZARDOUS WASTES

S.No.	Hazardous Wastes.		Quantity (2016-2017)	Quantity (2017-2018)
1.	Process	5.1 Used Oil.	14530 lts	13040 lts
2.		5.2 Waste / residues containing oil.	0.5 T	0.1 T
3.		3.3 Sludge and filters contaminated with oil.	201 Nos.	225 Kgs
5.		21.1 Waste & Residues [Paint wastes].	100 kg	Nil
6.		33.3 Discarded containers/barrels/liners contaminated with hazardous wastes/chemicals.	102 Nos.	Nil

*Currently the hazardous waste authorization is under the name of L&T Shipbuilding cum minor port. The transfer of authorization is under progress.

Part-E

SOLID WASTES

Solid Waste		Quantity (2016-2017)	Quantity (2017-2018)
a)	From process	Processes from this Project activity does not generate any Solid Waste	
b)	From pollution control facilities	Nil	145 kgs

Part-F

Characteristics & disposal practices for hazardous and solid wastes

- **Used oil & Waste Containing Oil**

At Marine Infrastructure Developer Private Limited (MIDPL), used oil to be handled is mainly generated from Rubber tyre gantry cranes and diesel generators. Used oils are collected and stored in barrels and are being mechanically processed to recover oil. MIDPL has tied up with M/s Lakshmi & Co for reprocessing the oil. About 13040 liters of used oil was processed in the year 2017-2018

- **Solid Wastes**

The Solid waste generated as above is only due to the habitation of the work force. The recyclable and the bio-degradable waste are recycled by the composting method. The compost is used in the nursery and for the gardening purposes. Kitchen waste is being disposed to the biogas facility available on site

Part-G

Impact on pollution control measures on conservation of natural resources and consequently on the cost of production

- Solar panel was installed at MIDPL to provide 450 kW at peak solar radiation. The power generated from solar panel ranges between 52000-54000 units per months. MIDPL has invested nearly INR 2 crores for developing the solar plant there by helping in the reduction of conventional energies
- Sewage Treatment Plants (STPs) were in continuous and treated water quality is meeting the norms. The total cost spent on STP operations was INR: 8,40,000
- Biogas facility was setup at MIDPL to convert the kitchen waste to useful heat energy. The biogas unit generates output of 3kg / day. The plant capacity is 6 cubic meter.
- Environmental monitoring is carried out through NABL accredited laboratory.
- Green belt is developed in front of the port operation buildings. Maintenance of green belt using dedicated horticulture team and water bowser.
- Motion sensor and timers installed at buildings to reduce energy consumption

Since the unit has not yet reached the optimal capacity of handling the impact of the abatement measures are not measured on the cost of production

Part-H

Additional investment proposal for environment protection including abatement of pollution

	Description	
Major Investments Proposal (total project cost in INR lakhs)		
1	Online connectivity CAAMS to TNPCB server	50
2	Integrated waste management shed	15
Regular Expenditure (cost in INR lakhs/year)		
1	Environmental monitoring of MOEF recognized third party	12
2	Green belt & Horticulture development	3
3	Annual maintenance contractor of STP operation	9

Part-I

ANY OTHER PARTICULARS IN RESPECT TO ENVIRONMENT

- Formation of Energy Conservation Committee to measure the amount of energy consumed and to actions to reduce the energy consumed through port operations
- Study by Prof.Dr.N.Kumar, Ph.D., F.H.S.I., Former Dean (Hort), Tamil Nadu Agricultural University, Coimbatore horticulture consultant for afforestation and adoption of "Woodlot Planting Technique"
- Formation of Water Warriors committee to identify and reduce the water consumption. The committee would propose innovative water solutions
- Integrated Management System certification under ISO 14001 : 2015. Stage -1 audit completed.
- Waste management in line to 5R principle.