

ENVIRONMENTAL STATEMENT

(FOR THE FINANCIAL YEAR ENDING 31ST MARCH, 2020)

M/s. DEVI SEA FOODS LIMITED

N.H. 5, PERAVALI ROAD

TANUKU - 534 211

WEST GODAVARI (DIST.)

Prepared by:


**SRI DURGA CIVIL AND ENVIRO CONSULTANTS
VIJAYAWADA**

INTRODUCTION OF ENVIRONMENTAL STATEMENT (AUDIT)

Industrial pollution in our country is on increase and creating a high-risk environment various legislations viz. The water (prevention & Control of Pollution) Act, 1974 and Environment (Protection) Act, 1986 have come into force and organization Industrialization meant profit - making and environment was grossly neglected. It is being realized that in industry and environment also over the years awareness has brought in realization to consider Environmental Protection a bare necessity. Yet, the investments for such a protection is still considered a liability by many industrialists mainly due to lack of up-to-date scientific practices of environmental management. Consideration of environmental factors at par with production helps in minimizing material loses and also in reduction of liabilities in the long run.

The growing environmental pollution and the complexity of this problem with increasing risks from the regulatory controls needs an effective management tool so as to prevent pollution and to make pollution control Programmes cost-effective and feasible.

Environmental Audit is a technique being introduced for integrating the interest of the industry and the environment so that these could be mutually supportive. This technique is basically a part of industry's internal procedures in meeting their responsibilities towards better environment. Also the India provides for submission of environment statement by all concerned industries, which would subsequently evolve into an environmental audit. A notification under the Environmental (Protection) Rules, 1986 has been issued on April 22, 1993, requiring industries to submit an environmental statement for the financial year ending on March 31 in Form V to the concerned State Pollution Control Boards on or before September 30 every year beginning 1993 (Annexure 1). The Department of Company Affairs also agreed to include this requirement as a part of the Director's Annual Report. The submission of an environmental statement is applicable to the following.

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1. Those who require consent under the Water (Prevention & Control of Pollution) Act, 1974
 2. Those who require consent under the Air (Prevention & Control of Pollution) Act, 1981, and
 3. Those Who require authorization under hazardous wastes (Management & Handling) Rules, 1989.

INTRODUCTION :

M/s. DEVI SEA FOODS LIMITED plant is situated in N.H. 5, Peravali Road, Tanuku , West Godavari District. The plant is located at a distance of nearly 3 KM from Tanuku bus stand. The plant is situated on the way of N.H.5 (Tanuku to Peravali).

The Industry is produced processed Shrimp from the raw Sea Food. The Industry produced 15.0 T / Day of processed Shrimp during the financial year 2019-2020. The raw material raw Prawns are available from local parties. The company does not have any problem in procuring the raw material.

DEVI SEA FOODS LIMITED

N.H. 5, PERAVALI ROAD
TANUKU-534 211
WEST GODAVARI (DISTRICT)

"FORM-V"

Environmental statement for the financial year ending the 31st March 2020.

PART-A

- I) Name and address of the Owner / occupier of Industry operation or Process. : **SRI P.BRAHMANANDAM.**
Managing Director
Devi Sea Foods Limited,
N.H.5, Peravali Road
Tanuku- 534 211
West Godavari (Dist.)
- II) Industry Category : Orange
Prawn processing unit
- III) Production Capacity : Frozen Shrimps 15 TPD
- IV) Year of Establishment : Dec 2000
- V) Date of last environmental Statement submitted : September, 2019.

PART - B

Water and Raw Material Consumption

I) Water consumption m³ / Day

Process : 130000 Lts/ Day

Cooling : 10000 Lts / Day

Domestic : 20000 Lts / Day

 Process water consumption per
unit of product-output (Lt/1No)

Name of Products

During the previous
financial year
(2018-2019)

During the current
financial year
(2019-2020)

 Processed Shrimp

8.5 m³/ 1 Tonne of
product

9 m³/ 1 Tonne of
product

(II) Raw Material Consumption :

Name of the Raw Materials	Name of Products	Consumption of Raw Material per unit of output (1kwh)	
		During the previous financial year (2018-2019)	During the current financial year (2019-2020)
Shrimps	Processed Shrimp	1.46T/ 1 T of Processed Shrimp	1.45 T/ 1 T of Processed Shrimp
Bleaching/ Soap oil		1.5 kg / 1 T of Processed Shrimp	1.5 kg / 1 T of Processed Shrimp

PART - C

Pollution discharged to environment/unit of output.

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants Discharged (mass/day) (mass / Day) (Kg / Day)	Concentrations pollutants in discharges (mass/volume) (mass / Volume) (Mg / Ltr.)	Percentage of variation from prescribed standards with reasons
(a) <u>WATER:</u>			
pH		8.05	All the parameters are with in the limits
T.D.S	235.3	1810	
T.S.S	9.88	76	
C.O.D	25.22	194	
B.O.D	6.76	52	

Note : The Effluent generated is 130 KLD

(b) Ambient Air Quality Monitoring:

Sl.No.	Location	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _X (µg/m ³)
1.	Near Main gate	88	30	8	20
2.	Near Processing hall	72	24	6	19

PM₁₀ : Particulate Matter (size less than 10 µm)
 PM_{2.5} : Particulate Matter (size less than 2.5 µm)
 SO₂ : Sulphur Dioxide
 NO_X : Oxides of Nitrogen

PART - DHAZARDOUS WASTES

(As specified under Hazardous Wastes / Management & Handling rules, 1989)

Hazardous Wastes	Total Quantity (Kg.)	
	During the Previous financial year (2018-2019)	During the current financial year (2019-2020)
(a) From Process	NIL	NIL
(b) From pollution control facilities	NIL	NIL
Waste Oil from D.G Sets, Compressors etc.,	340 Lts/ Year	300 Lts/ Year

PART - ESOLID WASTES

	Total Quantity	
	During the Previous financial year (2018-2019)	During the current financial year (2019-2020)
From Process (disposable waste)	1800T/year	1825 T/year
From pollution control facility (sludge from ETP)	12 T/year	15 T/year
Quantity recycled or re-utilised within the unit.	- NIL -	- NIL -
Sold	ETP sludge is being used as manure after drying and using for developing greenbelt.	
Disposed	Shrimp shells and heads is wastes are disposed to poultry & shrimp feed manufacturing units.	

PART - F

Please specify the characterisations (in terms of composition quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. .

No hazardous waste is generated from process. The Solid Waste generated from the process is disposable waste (shrimp shell). It is disposed to poultry and shrimp feed manufacturing units. The sludge from ETP is being used as manure after drying and is used for the development of greenbelt.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

M/s.DEVI SEA FOODS LTD has taken proper steps for abating pollution regarding to water, air, and solid wastes and also in the development of greenbelt in the plant premises.

WATER POLLUTION:

The effluent is generated from thorough washing of the shrimp after peeling to remove dirt. For treating of effluents, the effluent treatment plant is being operated. After treatment, the effluent is being utilised for the development of greenbelt. The effluent generated from domestic section is being discharged through sewage treatment plant.

AIR POLLUTION:

The main source of air pollution is from 400 kgs/hr, 600 kgs/hr oil fired boilers and DG sets of capacities 725 KVA & 500 KVA. To abate noise pollution DG sets are provided with silencer cum muffler. 400 kgs/hr oil fired boiler is stand by. The stack emissions and ambient air quality values of PM_{10} , $PM_{2.5}$, SO_2 & NO_x are with in the limits to the standards stipulated by A.P. Pollution control board.

SOLID WASTE:

The Solid Waste generated from process is disposable waste (shrimp shell&head waste).It is disposed to poultry and shrimp feed manufacturing units.

The steps taken by the management has reduced the impact of pollution on the surrounding area.

PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Green belt is developed and it is being maintained. An amount of Rs.9 lakhs is spent per annum for the maintenance and operation of effluent treatment plant. Good house keeping is also maintained. The solid wastes generated are disposed properly. The management is operating Effluent Treatment Plant and Sewage Treatment Plant regularly. After treatment, it is used for the development of greenbelt. This year, the management is proposed to increase the greenbelt with variety of saplings in addition to the existing greenbelt for improving the local eco-system.

PART - I

Any other particulars for improving the quality of the environment.

The management will take efforts to maintain clean and good environment in the premises.