Environment Management Policy & Procedure

1. Policy statement

The Delta Accessories Ltd. (herein after **TDAL)** recognizes the importance of maintaining and enhancing the quality of the environment for the benefit of our customers, employees, community and the nature. Our commitment is to deliver our products in an environmentally responsible manner. Specifically, **TDAL** is committed to:

- ✓ **COMPLYING WITH ALL REQUIREMENTS OF THIS STANDARD, RELEVANT ENVIRONMENTAL LEGISLATION, REGULATIONS, CODES OF PRACTICE AND CONTRACTUAL CONDITIONS,**
- ✓ **PREVENTING POLLUTION OF THE ENVIRONMENT BY ACTIVITIES OVER WHICH WE HAVE CONTROL,**
- ✓ **CONTINUALLY IMPROVING OUR ENVIRONMENTAL MANAGEMENT PERFORMANCE BY REGULAR REVIEW AND SETTING REALISTIC ENVIRONMENTAL OBJECTIVES AND TARGETS,**
- ✓ **PROVIDE TRAINING AS REQUIRED TO MEET OUR ENVIRONMENTAL OBJECTIVES.**

2. This policy applies to the Environmental Management System of **TDAL**. The scope of the Environmental policy is limited to activities that impact in the following environmental areas:

- Energy;
- Water;
- Solid and Hazardous Wastes;
- Environmental Noise;
- Air Quality;
- Carbon Emissions;
- Land.

3. Responsibility and authority

3.1 To meet the requirements of GOTS environmental requirements, the top management of **TDAL** has appointed the **Asst. Manager (Environment & Chemical)** to implement of the environmental requirements, who has the authority to ensure compliance, identify and implement solutions, and act upon incidents. The EMR is responsible for monitoring environmental aspects and drafting an annual goal and has set its target to reduce usage of water by 0.1% and Energy by 0.25% within December 2018 to reduce environmental impacts. He is also responsible for monitoring progress against the environmental targets and reporting periodically to the General Manager (Operation).

3.2 The General Manager (Operation) is responsible for agreeing targets relating to activities under the environment management control and has ultimate responsibility for approving and endorsing objectives and targets for the organization.

3.3 Departmental heads are responsible for managing the achievement of departmental environmental goal, and reporting on progress to the General Manager (Operation).

3.4 All employees are responsible for contributing to the achievement of organizational environment goal.

4. Data on energy and water consumption

EMR will keep record of energy and water consumption from every concern departments. He will maintain daily record of the consumption of energy and water including daily production.

5. Procedures to reduce energy and water consumption

EMR will set goal in consultation with the Managing Director. The goal shall be set to have significant impacts on environment. Every opportunity to be look into where reduction can be made as mentioned bellow, but not limited to:

a) Utilization of full capacity of machine.
b) Changing into energy efficiency lights.
c) Changing personal attitude and habits of workers by motivation to reduce unnecessary wastes of energy and water.
d) Raise awareness program to reduce water consumption.
e) Re-use of wastage water using reverse osmosis system.
f) Saving water by controlling leakage in pipe line or tap.

6. Monitoring of waste and discharges

EMR along with his team will continuously monitor the wastes of all kind and discharges. Daily record shall be kept to reflect that whether improvement is taking place. Management is to be notified to review the system.

7. Procedures to minimize waste and discharges

Staffs and workers to be made aware of quality production and how to reduce the production waste. Personnel of all departments shall be trained to create habit so that minimum wastes are made. Department wise daily record of waste and discharge is to be kept. Changes to be notified to the concern persons so that they are aware of the scenario and reduce the waste and discharge.

7.1 The procedure of Solid Wastage Disposal:

1) Paper, Dust & food: Firstly all wastage is kept in the dustbins by Cleaner or Sweeper regularly. Clean up the dustbins after dumping the waste in the isolated dustbins of the city corporation near the factory.
2) Metal & Accessories: All metallic & accessories wastage firstly storage in the separate area. After the storage then put up for sale the manufacturer for re- cycling.
3) Waste: All waste is kept in the baskets by Cleaner or Sweeper regularly. Clean up the baskets after dumping the waste in the isolated dustbins of the city corporation near the factory.
4) Wooden: All broken wooden items disposed of through the company's selected local vendor for re-cycling.
5) Plastic: All of the plastic items as like Empty drum, reject cone, reject plastic bottles etc. firstly storage in the separate area once in a month.

7.2 The procedure of Liquid Wastage Disposal:

1) Sewerage Water: Discharge of toilets usually drained to underground. Waste water drains have been constructed maintaining sufficient slope so that nothing can be accumulated on the floor.

8. Procedures in case of waste and pollution incidents

Everybody should be made aware of regular practices on environmental aspects. In case of emergency, if any incident takes place, that has to be notified to the management for suitable solution. Every individual case has to be dealt basing on the nature and gravity of the incident. Person involved in operation shall take reasonable effort so that environmental impact is kept within as minimum as possible before permanent solution applied.

9. Training and awareness

TDALmanagement decided that personnel, whose work may create a significant impact on the environment shall receive appropriate training in the conservation of water and energy, the proper and minimal use of chemicals and their correct disposal to ensure:

- The importance of conformity with the GOTS;
- Stakeholders are aware of the significant environmental impacts (actual and potential) of their work activities and of the environmental benefits of improved personal performance;
- Stakeholders are aware of their individual roles and responsibilities in conforming with legal, environmental policy and emergency preparedness and response requirements, and aware of the potential consequences of departure from specified operating procedures,
- Stakeholders are aware of the consequences of departure from specified procedures.

Documentation for the training is maintained accordingly.

10. Programme for improvement

TDAL will make a programme for the improvement of the environmental aspects. EMR will make the annual improvement programme and ensure that significant changes are made according to the programme.

Heat Source From A Gas Engine:

The heat from the Generator is available in from 3 key areas:
1. Engine jacket cooling water.
2. Engine lubrication oil cooling.
3. First stage intake intercooler.
4. Engine exhausts gases.
5. Engine generator radiated heat, second stage intercooler.

(1, 2 & 3) are removable in the form of hot water of $70/90^0$C flow return basic and can be interfaced with the site at a plate heat exchanger.
(4) The engine exhaust gases typically leave the engine at between $400/500^0$C. This can be used directly for driving in a waste heat boiler to generator steam or via an exhaust gas heat exchanger combining with the heat from the cooling circuit.
(5) The heat from the second stage intercooler is also available for recovery as a lower grade heat.

Cogeneration & CHP: Cogeneration through combined heat & Power (CHP) is simultaneous production of electricity with the recovery and utilization heat. Cogeneration is a highly efficient from of energy conversion & it can achieve primary energy saving.

The Delta Apparels Ltd. properly implement the cogeneration system with our total 03 no's gas generator. And by this system we use the generator exhaust as heat for chiller.

Water Consumption:
Total Feed Eater=3.5m3/day=3500 liter/day
Evaporation & Blow down Loss of Water for generator=62m3/day=62000 liter/day
Other's (Boiler, Drinking water & Vehicle Wash, =2.5m3/day=2500 liter/day

11. Record

TDAL will keep full records of the use of chemicals, energy, water consumption and solid wastage.

➲ END OF POLICY ➲

Note: This Policy is subject to periodic audit or review to maintain its effectiveness.