

|                     |                          |                     |
|---------------------|--------------------------|---------------------|
| [Organization Name] | ASPECT IMPACT ASSESSMENT | F/AI/01             |
|                     | ISO14001:2015            | Issue Date-02-05-26 |

| S.no | Activity                                                                                | Aspect                                                | Nature | Impact                         |    |    | Evaluation |    |    |   |   |       |                      | Significant |
|------|-----------------------------------------------------------------------------------------|-------------------------------------------------------|--------|--------------------------------|----|----|------------|----|----|---|---|-------|----------------------|-------------|
|      |                                                                                         | Description                                           |        |                                | LC | IP | BP         | SC | SV | P | D | Total |                      |             |
| 1    | Unloading, handling, Packaging & storage of raw materials, products, components & parts | Generation of waste ( Paper ,Cloths, etc)             | N      | Land Pollution                 | -- | -- | --         | 1  | 2  | 2 | 1 | 4     | ---                  |             |
|      |                                                                                         | Generation of waste (Plastic, oil soaked Cloths, etc) | N      | Land Pollution                 | Y  | -- | --         | 1  | 2  | 2 | 1 | 9     | Y<br>OCP/EMS/03      |             |
|      |                                                                                         | Damage Chemical Drums                                 | A      | Land Pollution                 | Y  | -- | --         | 1  | 2  | 2 | 1 | 9     | Y<br>OCP/EMS/03      |             |
|      |                                                                                         | Spillage of Chemicals                                 | A      | Land Pollution                 | -- | -- | --         | 1  | 2  | 2 | 1 | 4     | ---                  |             |
|      |                                                                                         |                                                       | A      | Air Pollutions                 | Y  | -- | --         | 1  | 2  | 2 | 1 | 9     | Y<br>OCP/EMS/06      |             |
|      |                                                                                         |                                                       | A      | Water Pollutions               | Y  | -  | -          | 1  | 2  | 2 | 1 | 9     | Y<br>OCP/EMS/05 & 06 |             |
|      |                                                                                         | Leakage of HSD(also same as spillage of Chemicals)    | A      | Land Pollution                 | Y  | -  | -          | 2  | 2  | 2 | 2 | 16    | Y<br>DI/EMSDI/09     |             |
| 2    | Operation of Equipments                                                                 | Generation of Noise                                   | N      | Noise pollution                | Y  | -  | -          | 2  | 3  | 3 | 2 | 36    | Y<br>OCP/EMS/06      |             |
|      |                                                                                         | Use& Wastage of electricity                           | N      | Depletion of natural resources | -  | -  | -          | 2  | 2  | 2 | 2 | 16    | Y<br>OCP/EMS/02      |             |

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|   |                                            |                                                                          |   |                                |   |   |   |   |   |   |   |    |                    |
|---|--------------------------------------------|--------------------------------------------------------------------------|---|--------------------------------|---|---|---|---|---|---|---|----|--------------------|
| 3 | Cleaning of Leaked/ Spilled Oil with cloth | Generation of Waste Oil, scrap & Used Spare parts Contaminated with oil. | N | Land Pollution                 | Y | - | - | 2 | 2 | 2 | 2 | 21 | Y<br>OCP/EMS/03&09 |
|   |                                            | Oil Leakage                                                              | N | Land Pollution                 | Y | - | - | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/07&09 |
|   |                                            | Generation of used oil Drums                                             | N | Land Pollution                 | Y | - | - | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/03    |
|   |                                            | Cloth Socked in Oil                                                      | N | Land Pollution                 | Y | - | - | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/03    |
| 4 | DG Set operation                           | Noise Generation                                                         | A | Noise Pollutions               | Y | - | - | 2 | 2 | 2 | 2 | 16 | Y<br>OCP/EMS/01-06 |
|   |                                            | Generation of Flue Gases                                                 | N | Air Pollution                  | Y | - | - | 2 | 2 | 2 | 2 | 16 | Y<br>OCP/EMS/01-06 |
|   |                                            | Use of Diesel                                                            | N | Depletion of natural resources |   | - | - | 1 | 3 | 2 | 1 | 6  | -                  |
|   |                                            | Spillage Of Oil                                                          | A | Land Pollution                 | Y |   |   | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/07    |
|   |                                            |                                                                          |   |                                | Y | - | - | 2 | 2 | 2 | 2 | 16 | Y<br>DI/EMSDI/09   |
|   |                                            | Generation of Heat                                                       | A | Environmental Heating          | - | - | - | 1 | 2 | 2 | 1 | 4  | -                  |

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|   |                         |                                                        |   |                                |    |   |   |   |   |   |   |    |                    |
|---|-------------------------|--------------------------------------------------------|---|--------------------------------|----|---|---|---|---|---|---|----|--------------------|
|   |                         | Generation of used Oil                                 | N | Land Pollution                 | Y  | - | - | 2 | 2 | 2 | 2 | 21 | Y<br>OCP/EMS/03    |
|   |                         | Generation of Used oil Drums, Filters                  | N | Land Pollution                 | Y  | - | - | 2 | 2 | 2 | 2 | 21 | Y<br>OCP/EMS/03    |
| 5 | Use of Vehicle          | Emission of smoke                                      | N | Air Pollution                  | Y  | - | - | 2 | 2 | 1 | 1 | 9  | Y<br>OCP/EMS/06&08 |
|   |                         | Leakage of fuel and oil                                | A | Land Pollution                 | Y  | - | - | 1 | 1 | 2 | 1 | 7  | Y<br>OCP/EMS/07    |
|   |                         | Generation of Noise                                    | N | Noise Pollution                | -  | - | - | 2 | 2 | 1 | 1 | 4  | --                 |
|   |                         | Generation of used Oil                                 | N | Land Pollution                 | Y  |   |   | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/03    |
| 6 | Office operation        | 1. Consumption of Paper and electricity.               | N | Depletion of natural resources | -- | - | - | 1 | 2 | 1 | 1 | 2  | -                  |
|   |                         | 2. Generation of E-waste                               | N | Land Pollution                 | Y  | - | - | 1 | 2 | 1 | 1 | 7  | Y<br>OCP/EMS/03    |
| 7 | Maintenance of machines | 1. Generation of damaged and used parts containing oil | N | Land Pollution                 | Y  | - | - | 1 | 1 | 1 | 1 | 6  | Y<br>OCP/EMS/03    |
|   |                         | 2. Generation of waste oil                             | N | Land Pollution                 | Y  | - | - | 1 | 1 | 1 | 1 | 6  | Y<br>OCP/EMS/03-09 |
|   |                         | 3. Used battery                                        | N | Land Pollution                 | Y  | - | - | 1 | 1 | 1 | 1 | 5  | Y<br>OCP/EMS/03-09 |
| 8 | House keeping           | Generation of waste                                    | N | Land Pollution                 | -  | - | - | 1 | 1 | 1 | 1 | 1  | -                  |
|   |                         |                                                        |   | Air Pollution                  | -  | - | - | 1 | 1 | 1 | 1 | 1  | -                  |

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|    |                         |                                                              |   |                                    |   |    |    |   |   |   |   |    |                 |
|----|-------------------------|--------------------------------------------------------------|---|------------------------------------|---|----|----|---|---|---|---|----|-----------------|
| 9  | Gardening               | Use of water                                                 | N | Depletion of natural resources     | - | -  | -  | 2 | 2 | 1 | 2 | 8  | --              |
|    |                         | Use of manure                                                | N | Conservation of land ( Fertility ) | - | -  | -  | 1 | 1 | 1 | 1 | 1  | -               |
|    |                         | Generation of solid waste                                    | N | Land Pollution                     | - | -  | -  | 1 | 1 | 1 | 1 | 1  | -               |
| 10 | Tool Room operation     | Generation of Iron Scrap                                     | N | Land Contamination                 | - | -  | -  | 1 | 2 | 1 | 1 | 2  | -               |
| 11 | Cleaning of Water Tanks | Solid Waste                                                  | N | Land Pollution                     | - | -  | -  | 1 | 2 | 2 | 1 | 4  | -               |
|    |                         | Generation of Muddy Water                                    | N | Depletion of natural resources     | - | -  | -  | 1 | 2 | 2 | 1 | 4  | -               |
| 12 | Electrical Maintenance  | Generation of Used Tube lights, CFL Bulbs, Plastic parts etc | N | Land Pollution                     | Y | -  | -  | 1 | 4 | 2 | 2 | 21 | Y<br>OCP/EMS/03 |
|    |                         | Generation of Steel and copper scrap                         | N | Land Pollution                     | - | -  | -  | 1 | 1 | 2 | 2 | 4  | -               |
| 13 | Cleaning of Equipments  | Use of water                                                 | N | Water Consumptions                 | - | -  | -  | 1 | 2 | 2 | 1 | 4  | -               |
| 14 | Use of PPE              | Generation of used PPE                                       | N | Land Pollutions                    | Y | -- | -- | 1 | 2 | 2 | 1 | 9  | Y<br>OCP/EMS/03 |

**Environmental aspects are identified by respective HOD by collecting and maintaining information on the environment( in & around their area of working) like surrounding land uses, the nature of soil, water, air and flora & fauna**

- Aspects which cause water pollution, air pollution, land Pollution.
- Aspects which cause depletion of natural resource.
- Aspects which are hazardous to human being and affect their health.
- Aspects, which cause generation of waste including hazardous waste.
- Aspect, which cause re-use or re-cycle ( which causes conservation of natural resources)

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- An environmental impact is significant if it falls under legal concern, interested party concern, or business concern or multiple of scale of impact, severity of impact, probability of occurrence and duration of impact is more.

**For significant    Yes (LC, IP , BP) 5 Points / and evaluation 16 and more, it is controlled by monitoring and measurement by OCP & EMP.**

**Formula for Points = if Yes (LC, IP , BP) 5 Points + SC x SV x P x D**

**LC    Legislative concerns    IP    Interested parties    BP    Business Partner    Y    Yes    N    No**

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