

# **Classification of Industrial Sectors into Red, Orange, Green and White Categories: A Tool for Progressive Environmental Management**

The Central Pollution Control Board, in the year 2016, developed methodology for classifying industrial sectors and other polluting activities as Red, Orange, Green and White, primarily to facilitate uniformity and objectivity in streamlining enforcement mechanism.

In order to encourage the shift towards less polluting industries and cleaner technology options, resulting in improvement in their environmental performance, methodology for classification has been revised, by addressing the issues such as scoring methodology as well as the formula for computation of pollution index, weightages assigned to the scale of operations, consideration to cleaner technologies/fuels etc.

**Comments/Suggestions on this draft report may be sent to the Divisional Head, IPC-VI, CPCB, Delhi, preferably through email- [ipc6.cpcb@gov.in](mailto:ipc6.cpcb@gov.in), with the subject title: “Comments on draft report on classification”, latest by 31.08.2023**



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## **Classification of industrial sectors into red, orange, green and white categories- A tool for progressive environmental management**

### **1. Introduction**

The notifications issued by the Ministry of Environment and Forest during 1989 for Doon Valley, Uttarakhand introduced the concept of classification of industries as red, orange and green. The purpose of this classification was to facilitate decisions related to location of these industries. Subsequently, the application of this concept was extended to other parts of the country not only for the purpose of location of industries, but also for the purpose of consent management and formulation of norms related to surveillance/inspection of industries. As the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) were following different categorization of industries, in order to maintain the uniformity across the country, during 2012, CPCB issued a list of 244 industrial sectors, classified under red (85), orange (73) and green (86) categories.

In order to harmonize the criteria for categorization, during the year 2016, CPCB developed the scoring methodology to classify the industries based on the Pollution Index (PI) which was a function of water pollution, air pollution, hazardous waste generation, fuel consumption and amount of waste water generation. Based on this methodology, CPCB classified 254 industrial sectors under red (61), orange (90), green (65) and white (38) categories, and directed SPCBs/PCCs to adopt the same. This time CPCB also introduced white category as a new category, which included “practically non-polluting industries”. SPCBs/PCCs were also empowered to categorize any new/left-out sector at their own level, following the methodology prescribed by CPCB.

The concept of categorization is based on the “Precautionary Principle”, which focuses on potential of industries to pollute the environment. The purpose of categorization is to ensure that the industry is established in a manner consistent with the environmental objectives and to prompt industrial sectors to adopt cleaner technologies, ultimately resulting in generation of minimum pollutants.

### **2. Need and scope for revision of methodology**

The classification methodology of 2016 had scope of improvement in the following areas:

**i. Assessment of Pollution Index:**

The category of any industrial sector depends on the Pollution Index (PI), which comprises of scores of three pollutant groups i.e. air pollution, water pollution and hazardous waste. As per the classification methodology of 2016, in case of absence of any pollutant group, pollution index was normalized to 100. In some cases, the normalization led to inconsistency while comparing pollution potential among sectors, as it disproportionately increased the value of pollution index. It was also observed that in some sectors normalization involved subjectivity based on perception.

**ii. Size of operations of industrial activities:**

The classification methodology of 2016 considered scale of operations with the help of variables namely, quantity of water discharge and fuel consumption. However, it could not give appropriate weightage to micro, small, medium and large industries by capturing large variations in size of operations.

**iii. Consideration to segregated industrial activities:**

Although there were differences in pollution potential of integrated and segregated unit operations in a particular sector, the classification methodology (2016) did not consider their individual pollution indices. For example, standalone cement grinding units will have less pollution potential than integrated cement plants, but both were classified under red category.

**iv. Consideration of cleaner fuels:**

In industrial operations requiring fuels, the amount of emissions is governed by many factors such as the type of fuel and its calorific value, combustion efficiency, emission factors, etc. Use of biomass and cleaner gaseous fuels such as Piped Natural Gas (PNG), Liquefied Petroleum Gas (LPG), Compressed Natural Gas (CNG), bio-CNG etc. have increased significantly in recent years. Variation in pollution potential due to type of fuel used was not given adequate weightage in classification methodology of 2016.

**v. Motivation to industries for progressive environmental management:**

In the previous classification regime, there was no effective provision for change in category of industries based on the variation in pollution potential of a sector, even if the industries adopt

cleaner technologies or switch over to cleaner raw material/cleaner fuel etc., resulting into reduction in pollution index.

### **3. Modified methodology for classification of industrial sectors**

Considering the above issues, the classification methodology was modified on the basis of the presence of three pollutant groups, namely, water pollution, air pollution and hazardous waste generation, which have been given scores out of 100, each. These scores are used for computation of pollution index for deciding the category of industrial sector. The details of scoring criteria for water polluting, air polluting and hazardous waste generating industries are as follows:

#### **3.1. Scoring criteria for water polluting industries**

The water pollution score is the addition of three sub-scores which are based on oxygen demand of wastewater (W1), presence of type of pollutants (W2) and quantum of wastewater (W3). The weightages of W1, W2 and W3 in the water pollution score are 35%, 30% and 35%, respectively.

The higher scores are given to the sectors generating effluent of high BOD/COD, heavy metals/toxic compounds and large volume of wastewater as it has the high potential for creating the damage to the environment. The scoring criteria for water polluting industries is given at **Annexure-I**.

#### **3.2. Scoring criteria for air polluting industries**

The air pollution score is the addition of three sub-scores which are based on the presence of type of pollutants in emissions (A1), fugitive emissions & odour nuisance (A2), and, fuel type & quantity (A3). The weightages of A1, A2 and A3 in air pollution score are 35%, 30% and 35%, respectively.

The higher scores are given to the sectors generating emissions with hazardous air pollutants, process-based fugitive emissions and polluting fuels, as it has the high potential for creating the damage to the environment. The scoring criteria for air polluting industries is given at **Annexure-II**.

#### **3.3. Scoring criteria for hazardous waste generating industries**

For industries generating hazardous waste, as per the Hazardous and Other Wastes (Management & Trans-boundary Movement) Rules, 2016, the score for hazardous waste

generation comprises of two sub-scores H1 and H2, which are based on desirable/required waste management/disposal method and amount of hazardous waste, respectively. Both the sub-scores are given weightages 50% each. The scoring criteria for hazardous waste generating industries is given at **Annexure-III**.

#### **4. Computation of pollution index and criteria for deciding category of industrial sector**

In the modified methodology of classification (2023), all three pollution scores due to water pollution, air pollution and hazardous waste generation are taken into account while computing pollution index. The formula for computing pollution index is as follows:

$$PI = i_{max} + (100 - i_{max}) \left( \frac{i_2 + i_3}{200} \right)$$

Where,

- $i_{max}$ , is the maximum score among water (W), air (A), and Hazardous (H) pollution scores.
- $i_2$  and  $i_3$  are the remaining pollution scores.

The category of the industrial sector will be decided based on the pollution index ranges given at **Table-4**.

**Table-4: Ranges of pollution index for different categories**

| <b>Pollution Index (PI)</b> | <b>Category of industrial sector</b> |
|-----------------------------|--------------------------------------|
| $PI \geq 80$                | Red                                  |
| $55 \leq PI < 80$           | Orange                               |
| $25 \leq PI < 55$           | Green                                |
| $PI < 25$                   | White                                |

Modified methodology also considers the variation in pollution potential due to various type of activities and scale of operations in a particular sector.

#### **5. Sub-classification based on the measures for better environmental management**

The modified methodology of classification (2023) includes the provision for modification/change in category of any sector based on the measures taken by that industry, such as cleaner production technology, cleaner raw material, cleaner fuel etc., for better environmental management, resulting into overall reduction of pollution index.

This provision will guide and motivate industries to reduce their pollution load. For example, if coffee seeds processing industries use eco-pulping technology, which generates less water pollution, the pollution index of the said sector reduces and category changes from orange to green.

Similarly, use of cleaner/gaseous fuel also results in reduction of overall pollution potential. For example, sectors like (i) Chlor-alkali units and (ii) Power generation by generator sets (more than 5 MVA), using cleaner/gaseous fuels are classified as orange, as compared to the units which are using other fuels such as coal, biomass, liquid fuel etc., which are classified as red category.

## **6. Types of sectors based on their activities**

On the basis of type of operational activities, the sectors are divided into two groups, namely, (i) Industrial operations and (ii) Non-industrial operations. The sectors which are involved in production of goods are considered under industrial operations. On the other hand, sectors which do not involve any manufacturing/production process but have pollution potential, are kept under non-industrial operations. These non-industrial operations may include infrastructure projects, service sector, and environmental management facilities.

The infrastructure projects may include projects, such as, airports, ports & harbours, highway projects, building & construction projects, oil and gas pipelines etc. The service sector may include sectors like healthcare establishments, mechanized laundries, automobile fuel stations, etc. Environmental management facilities are required for treatment and disposal of waste in order to protect the environment, such as, sewage treatment plants, common bio-medical waste treatment facilities, construction & demolition waste processing plants, municipal solid waste sanitary landfills etc.

Further, if any industry/activity has potential for ecological damage or grave injury to environment but cannot be given score based on the above methodology, then by following the “precautionary principle”, CPCB/SPCB may categorize the sector, accordingly.

Based on the modified methodology, the list of sectors and sector specific sub-classification is given as **Annexure-IV**. Summary of classified sectors is given in **Table-5**.

**Table-5. Number of sectors classified under different categories**

| Sl. No. | Type of sector                    | Total number of sectors classified | Red       | Orange    | Green     | White     |
|---------|-----------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
| 1.0     | Industrial operations             | 199                                | 53        | 62        | 47        | 37        |
| 2.0     | Non-Industrial operations         |                                    |           |           |           |           |
| 2.1     | Environment management facilities | 4                                  | 3         | 1         | 0         | 0         |
| 2.2     | Infrastructure facilities         | 7                                  | 2         | 2         | 3         | 0         |
| 2.3     | Service sector                    | 9                                  | 3         | 3         | 3         | 0         |
| 3.0     | Special category projects         | 3                                  | 3         | 0         | 0         | 0         |
|         | <b>Total</b>                      | <b>222</b>                         | <b>64</b> | <b>68</b> | <b>53</b> | <b>37</b> |

## 7. Usage of classification of industrial sectors

The classification of industrial sectors may be used for the following purposes:

- i. **Consent management:** SPCBs/PCCs may grant Consent to Operate (CTO) to red, orange and green categories of industries for validity up to 5 years, 10 years and 15 years, respectively. White category of industries may not require consent and only an intimation to SPCB/PCC shall suffice.
- ii. **Inspection frequency:** SPCBs/PCCs may prioritize their environmental surveillance for industries on the basis of their categories. SPCBs/PCCs are required to ensure inspection of red, orange and green category of industries at least once in six-months, one-year and two-years, respectively. Common facilities and 17 categories of industries are to be inspected at least once in every three-months.
- iii. **Siting criteria:** The categorization may be used as a tool for deciding the location/siting of an industry in a particular location.
- iv. **Sector specific plans for pollution control:** The plans for control of pollution may be prepared and implemented on priority for the sectors having higher pollution index and overall higher pollution load.



- v. **Levying environmental compensation:** Pollution index may be used for determining and levying environmental compensation on industries violating the environmental norms.
- vi. **A tool for progressive environmental management:** Industrial units may adopt cleaner technologies, cleaner fuels, etc. which may result in reduction of pollution index, thus, moving to lower pollution potential category. It will provide incentives to industries in terms of less consent renewal fees, less environmental surveillance/compliance burden, more validity period for consents/authorizations, etc.

### **8. Implementation of methodology for classification of industrial sectors**

The modified classification methodology (2023) and list of sectors classified by CPCB is required to be adopted and implemented by all SPCBs/PCCs. In case of any new or left-out sector, the SPCB/PCC may categorize the sector at its own level. For this purpose, a committee headed by the Member Secretary, SPCB/PCC and comprising of at least two senior cadre engineers/scientists of the SPCB/PCC will examine the matter and classify the sector in accordance with the methodology prescribed by CPCB.

In case, any industrial sector/unit adopts measures such as cleaner production technology, cleaner raw material, cleaner fuel etc., for better environmental management resulting into overall reduction of pollution index and change in category, then the request in this regard may be made to concerned SPCB/PCC. The state level committee for categorization of new/left-out industrial sector will evaluate the matter and take decision regarding change in category of the industrial sector, accordingly.

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Annexure-I

Scoring criteria for water polluting industries

| Water Pollutant Group   | Description  | Score |
|---|--|-------|
| <b>Score W1: Score based on the oxygen demand of wastewater.</b><br>(Maximum of the following scores to be considered)          |  |       |
| W11   | BOD $\geq$ 5,000 mg/l or COD $\geq$ 10,000 mg/l  | 35    |
| W12   | 1000 $\leq$ BOD < 5,000 mg/l or 5000 $\leq$ COD < 10,000 mg/l  | 30    |
| W13   | 500 $\leq$ BOD < 1,000 mg/l or 1000 $\leq$ COD < 5,000 mg/l  | 25    |
| W14   | 100 $\leq$ BOD < 500 mg/l or 250 $\leq$ COD < 1,000 mg/l   | 20    |
| W15   | BOD < 100 mg/l or COD < 250 mg/l   | 10    |
| <b>Score W2: Score based on presence of pollutants in the wastewater.</b><br>(Maximum of the following scores to be considered) |  |       |
| W21   | Presence of pesticides, heavy metals and toxic compounds:<br><br>Aluminium, Ammonia, Anionic detergents, Barium, Chloramines, Copper, Fluoride, Total residual chlorine, Iron, Manganese, Mineral oil, Phenolic compounds, Selenium, Silver, Sulphide, Cadmium, Cyanide, Lead, Zinc, Mercury, Tin, Vanadium, Antimony, Benzene, Benzo-a-pyrene, Molybdenum, Nickel, Phosphates, Free ammonia, Polychlorinated biphenyls, Polynuclear aromatic hydrocarbons, Arsenic, Total/Hexavalent Chromium, Trichloroethane, Trichloroethylene, Adsorbable Organic Halogens (AOx), Pesticides compounds, Antimicrobial resistance, Radioactive materials, etc. | 30    |
| W22   | Nitrate Nitrogen, Nitrate, Ammonical Nitrogen, Total Kjeldahl Nitrogen (TKN), Oil & grease, pH<5.5 or > 9  | 25    |
| W23   | Wastewater with high TDS generated from fresh-water RO rejects, boiler blow-downs and brine solution rejects   | 20    |
| W24   | Wastewater from cooling towers and cooling-re-circulation processes  | 15    |
| <b>Score W3: Score based on quantity of raw wastewater generation</b><br>(Maximum of the following scores to be considered)     |  |       |
| W31   | Wastewater $\geq$ 500 KLD  | 35    |
| W32   | 100 KLD $\leq$ Wastewater < 500 KLD  | 30    |
| W33   | 50 KLD $\leq$ Wastewater < 100 KLD   | 25    |
| W34   | 10 KLD $\leq$ Wastewater < 50 KLD  | 20    |
| W35   | Wastewater < 10 KLD  | 15    |
| <b>Water Pollution Score (W) = W1+W2+W3</b>   |  |       |

Annexure-II

Scoring criteria for air polluting industries

| Air Pollutant Group  | Description  | Score |
|--|--|-------|
| <b>Score A1: Score based on presence of pollutants in the emissions.</b><br>(Maximum of the following scores to be considered) |  |       |
| A11  | Presence of Hazardous Air Pollutants (HAPs), and heavy metals:<br><br>HAPs (Phosgene, Benzene, Benzo[a]pyrene, Butadiene, Toluene Diisocyanate, Methylenediphenyl Diisocyanate, Ethylene Oxide, Ethylene Di Chloride, Acrylonitrile, Propylene Oxide), Dioxins & Furans, Asbestos, Polycyclic Aromatic Hydrocarbons (PAHs), HCN, Cd, Th, Hg, Sb, As, Pb, Co, Cr, Cu, Mn, Ni, V, etc. | 35    |
| A12  | Presence of halogens, acids and pesticides based pollutants:<br><br>H <sub>2</sub> S, HF, HBr, P <sub>2</sub> O <sub>5</sub> as H <sub>3</sub> PO <sub>4</sub> , NH <sub>3</sub> , TOC, Cl, HCl, SO <sub>3</sub> , CH <sub>3</sub> Cl, Total Fluoride, PM having pesticide compounds/other organic compounds, Acid mist, etc.  | 30    |
| A13  | Presence of pollutants due to combustion of fuel:<br><br>PM, CO <sub>2</sub> , CO, NO <sub>x</sub> , SO <sub>2</sub> , etc.  | 25    |
| A14  | Presence of Volatile Organic Compounds (VOCs):<br><br>Ethyl benzene, Styrene, Toluene, Xylene, Aromatics, Propylene Glycol, Ethylene Glycol, etc.  | 20    |
| <b>Score A2: Score based on fugitive emissions and odour nuisance.</b><br>(Maximum of the following scores to be considered)   |  |       |
| A21  | Fugitive emissions of Particulate Matters (PM) due to process operations   | 30    |
| A22  | Fugitive emissions due to handling of materials, etc.  | 25    |
| A23  | Odour nuisance, including odour due to use of binding gums, cements, adhesives, enamels etc.   | 20    |
| <b>Score A3: Score based on the fuel quantity.</b><br>(Maximum of the following scores to be considered)                       |  |       |
| <b>Coal or liquid fuels</b>  |  |       |
| A31  | Fuel consumption ≥ 24 TPD  | 35    |
| A32  | 12 TPD ≤ Fuel consumption < 24 TPD   | 30    |
| A33  | Fuel consumption < 12 TPD  | 25    |
| <b>Biomass-based fuels</b>   |  |       |
| A34  | Fuel consumption ≥ 48 TPD  | 25    |
| A35  | 24 TPD ≤ Fuel consumption < 48 TPD   | 20    |
| A36  | Fuel consumption < 24 TPD  | 15    |
| <b>Cleaner/gaseous fuels, such as, PNG, CNG, LPG, Compressed Bio-gas (CBG), propane, butane etc.</b>                           |  |       |
| A37  | Fuel consumption ≥ 120 TPD   | 20    |
| A38  | 60 TPD ≤ Fuel consumption < 120 TPD  | 15    |
| A39  | Fuel consumption < 60 TPD  | 10    |
| <b>Air Pollution Score (A) =A1+A2+A3</b>   |  |       |
| <b>Note:</b> In case, any sector/unit is using more than one type of fuel, the most polluting fuel category, will be consider  |  |       |

## Annexure-III

## Scoring criteria for hazardous waste generating industries

| Waste Pollutant Group   | Description  | Score |
|---|--|-------|
| <b>Score H1: Score based on the hazardous waste management/disposal method.</b><br>(Maximum of the following scores to be considered) |  |       |
| H11   | Hazardous waste requiring disposal in secured landfill after stabilization   | 50    |
| H12   | Hazardous waste requiring disposal through incineration                      | 40    |
| H13   | Hazardous waste requiring disposal in secured landfill without stabilization | 30    |
| H14   | High volume and low effect hazardous wastes                                  | 20    |
| <b>Score H2: Score based on quantity of hazardous waste generation</b><br>(Maximum of the following scores to be considered)          |  |       |
| H21   | Hazardous Waste $\geq$ 5000 TPA  | 50    |
| H22   | 1000 TPA $\leq$ Hazardous Waste $<$ 5000 TPA                                 | 40    |
| H23   | 200 TPA $\leq$ Hazardous Waste $<$ 1000 TPA                                  | 30    |
| H24   | 10 TPA $\leq$ Hazardous Waste $<$ 200 TPA                                    | 20    |
| H25   | Hazardous Waste $<$ 10 TPA   | 10    |
| <b>Hazardous Waste Generation Score (H) = H1+H2</b>   |  |       |

## Annexure-IV

## List of sectors classified under red, orange, green and white categories

| Sl. No.                         | Sector   | W1 | W2 | W3 | W  | A1 | A2 | A3 | A  | H1 | H2 | H  | Pollution Index (PI) | New Category | Old Category |
|---------------------------------|--|----|----|----|----|----|----|----|----|----|----|----|----------------------|--------------|--------------|
| <b>1. Industrial Operations</b> |  |    |    |    |    |    |    |    |    |    |    |    |                      |              |              |
| 1.0                             | Automobile manufacturing (integrated facilities)   | 20 | 30 | 25 | 75 | 0  | 25 | 0  | 25 | 50 | 20 | 70 | 86.9                 | Red          | Red          |
| 2.0                             | Diesel Generator (DG) Set  |    |    |    |    |    |    |    |    |    |    |    |                      |              |              |
| 2.1                             | DG Set of capacity $\geq$ 5 MVA, using liquid fuel   | 0  | 15 | 15 | 30 | 25 | 20 | 35 | 80 | 40 | 10 | 50 | 88.0                 | Red          | Red          |
| 2.2                             | DG Set of capacity $\geq$ 5 MVA, using cleaner/gaseous fuel                                | 0  | 15 | 15 | 30 | 25 | 0  | 20 | 45 | 40 | 10 | 50 | 68.8                 | Orange       |              |
| 2.3                             | DG Set of capacity $\geq$ 1 MVA but < 5 MVA, using liquid fuel                             | 0  | 0  | 0  | 0  | 25 | 20 | 25 | 70 | 40 | 10 | 50 | 77.5                 | Orange       | Orange       |
| 2.4                             | DG Set of capacity $\geq$ 1 MVA but < 5MVA, using cleaner/gaseous fuel                     | 0  | 0  | 0  | 0  | 25 | 0  | 10 | 35 | 40 | 10 | 50 | 58.8                 | Orange       |              |
| 3.0                             | Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black |    |    |    |    |    |    |    |    |    |    |    |                      |              | Red          |
| 3.1                             | Carbon black manufacturing   | 20 | 15 | 20 | 55 | 25 | 30 | 30 | 85 | 40 | 20 | 60 | 93.6                 | Red          |              |
| 3.2                             | Industrial carbon including electrodes & graphite blocks and calcined pet coke             | 20 | 15 | 20 | 55 | 25 | 25 | 25 | 75 | 30 | 20 | 50 | 88.1                 | Red          |              |
| 3.3                             | Activated carbon manufacturing (with steam activation)                                     | 20 | 15 | 15 | 50 | 25 | 25 | 15 | 65 | 0  | 0  | 0  | 73.8                 | Orange       |              |
| 4.0                             | Power generation plants  |    |    |    |    |    |    |    |    |    |    |    |                      |              | Red          |

|     |   |    |    |    |           |    |    |    |           |    |    |           |      |        |     |
|-----|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|-----|
| 4.1 | Power plants based on coal  | 10 | 25 | 35 | <b>70</b> | 35 | 25 | 35 | <b>95</b> | 20 | 50 | <b>70</b> | 98.5 | Red    |     |
| 4.2 | Power plants based on liquid fuels  | 10 | 25 | 35 | <b>70</b> | 25 | 20 | 35 | <b>80</b> | 40 | 20 | <b>60</b> | 93.0 | Red    |     |
| 4.3 | Waste to energy power plants  | 10 | 25 | 30 | <b>65</b> | 35 | 25 | 35 | <b>95</b> | 20 | 50 | <b>70</b> | 98.4 | Red    |     |
| 4.4 | Biomass based power plants  | 10 | 25 | 35 | <b>70</b> | 25 | 25 | 25 | <b>75</b> | 20 | 40 | <b>60</b> | 91.3 | Red    |     |
| 4.5 | Gas based power plants  | 10 | 25 | 35 | <b>70</b> | 25 | 0  | 20 | <b>45</b> | 40 | 20 | <b>60</b> | 85.8 | Red    |     |
| 5.0 | Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under Schedule IV of H&OW( M & TBM) Rules, 2016 - Items, namely, Spent catalyst containing nickel, cadmium, zinc, copper, arsenic, vanadium and cobalt, including cleared metal catalyst. |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 5.1 | Hydro & pyro metallurgy   | 0  | 30 | 15 | <b>45</b> | 35 | 0  | 25 | <b>60</b> | 50 | 10 | <b>60</b> | 81.0 | Red    |     |
| 5.2 | Hydro & pyro metallurgy (using cleaner/gaseous fuels & without crushing of materials)   | 0  | 30 | 15 | <b>45</b> | 35 | 0  | 10 | <b>45</b> | 50 | 10 | <b>60</b> | 78.0 | Orange |     |
| 5.3 | Pyro metallurgy (using coal/liquid fuels)   | 0  | 0  | 0  | <b>0</b>  | 35 | 0  | 25 | <b>60</b> | 30 | 10 | <b>40</b> | 68.0 | Orange |     |
| 5.4 | Pyro metallurgy (using cleaner/gaseous fuels)   | 0  | 0  | 0  | <b>0</b>  | 35 | 0  | 10 | <b>45</b> | 30 | 10 | <b>40</b> | 56.0 | Orange |     |
| 5.5 | Hydro metallurgy  | 0  | 30 | 15 | <b>45</b> | 30 | 0  | 0  | <b>30</b> | 50 | 10 | <b>60</b> | 75.0 | Orange |     |
| 6.0 | Sugar (excluding khandsari/jaggery)   | 30 | 25 | 35 | <b>90</b> | 25 | 0  | 25 | <b>50</b> | 40 | 10 | <b>50</b> | 95.0 | Red    | Red |
| 7.0 | E-Waste Dismantling / Recycling   |    |    |    |           |    |    |    |           |    |    |           |      |        |     |

|     |   |    |    |    |           |    |    |    |           |    |    |           |      |        |     |
|-----|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|-----|
| 7.1 | Industry engaged in recycling of e-waste generated from the electrical and electronic Equipment (EEE) listed in the E-Waste (Management) Rules 2022 using pyro/ hydro/ electro metallurgical processing and recycling of plastic separated from Waste EEE   | 30 | 30 | 20 | <b>80</b> | 35 | 25 | 15 | <b>75</b> | 50 | 20 | <b>70</b> | 94.5 | Red    | Red |
| 7.2 | Industry engaged in recycling of e-waste generated from the electrical and electronic equipment (EEE) listed in the E-Waste (Management) Rules 2022 (PCB processing limited to only mechanical processing and separation without pyro/ hydro/ electro metallurgical processing), production of Al, Cu and other metals from non PCB sources and/or recycling of plastic separated from Waste EEE. | 0  | 15 | 15 | <b>30</b> | 20 | 25 | 15 | <b>60</b> | 50 | 10 | <b>60</b> | 78.0 | Orange | Red |
| 7.3 | Industry engaged in dismantling (only) of e-waste generated from the electrical and electronic equipment (EEE) listed in the E-Waste (Management) Rules 2022  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 50 | 10 | <b>60</b> | 65.0 | Orange |     |
| 8.0 | Milk processes and dairy products (integrated project)  |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 8.1 | Milk processes and dairy products(integrated project) using coal as fuel  | 30 | 25 | 30 | <b>85</b> | 25 | 20 | 30 | <b>75</b> | 0  | 0  | <b>0</b>  | 90.6 | Red    |     |
| 8.2 | Milk processes and dairy products(integrated project) using biomass as fuel   | 30 | 25 | 30 | <b>85</b> | 25 | 20 | 20 | <b>65</b> | 0  | 0  | <b>0</b>  | 89.9 | Red    |     |
| 8.3 | Milk processes and dairy products(integrated project) using cleaner/gaseous fuels   | 30 | 25 | 30 | <b>85</b> | 25 | 20 | 10 | <b>55</b> | 0  | 0  | <b>0</b>  | 89.1 | Red    |     |

|      |   |    |    |    |           |    |    |    |           |    |    |           |      |     |     |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|-----|-----|
| 9.0  | Inorganic chemicals   |    |    |    |           |    |    |    |           |    |    |           |      |     |     |
| 9.1  | Basic inorganic chemicals and electro chemicals and its derivatives including manufacturing of acid | 10 | 30 | 25 | <b>65</b> | 30 | 25 | 20 | <b>75</b> | 30 | 20 | <b>50</b> | 89.4 | Red | Red |
| 9.2  | Phosphorous and its compounds   | 20 | 30 | 20 | <b>70</b> | 35 | 25 | 10 | <b>70</b> | 20 | 30 | <b>50</b> | 88.0 | Red | Red |
| 9.3  | Chlorates, per-chlorates & peroxides  | 20 | 30 | 20 | <b>70</b> | 30 | 20 | 25 | <b>75</b> | 30 | 20 | <b>50</b> | 90.0 | Red | Red |
| 9.4  | Chlorine, fluorine, bromine, iodine and their compounds   | 10 | 30 | 25 | <b>65</b> | 35 | 20 | 10 | <b>65</b> | 30 | 20 | <b>50</b> | 85.1 | Red | Red |
| 10.0 | Pulp & Paper (Agro & Wood)  |    |    |    |           |    |    |    |           |    |    |           |      |     | Red |
| 10.1 | Bleached grades of chemical pulp, papers and paperboards  | 30 | 30 | 35 | <b>95</b> | 30 | 0  | 35 | <b>65</b> | 40 | 30 | <b>70</b> | 98.4 | Red |     |
| 10.2 | Unbleached grades of chemical pulp, papers and paperboards  | 30 | 20 | 35 | <b>85</b> | 30 | 0  | 35 | <b>65</b> | 20 | 30 | <b>50</b> | 93.6 | Red |     |
| 10.3 | Bleached grades of chemical pulp, paper, paperboard having TCF bleaching                            | 30 | 20 | 35 | <b>85</b> | 30 | 0  | 35 | <b>65</b> | 20 | 30 | <b>50</b> | 93.6 | Red |     |
| 11.0 | Coke making, liquefaction, coal tar distillation and fuel gas making                                | 30 | 30 | 30 | <b>90</b> | 25 | 30 | 35 | <b>90</b> | 50 | 40 | <b>90</b> | 99.0 | Red | Red |
| 12.0 | Manufacturing of paints, varnishes (excluding blending/mixing)                                      |    |    |    |           |    |    |    |           |    |    |           |      |     | Red |
| 12.1 | Manufacturing of solvent based paints / varnish   | 25 | 30 | 20 | <b>75</b> | 25 | 20 | 25 | <b>70</b> | 50 | 30 | <b>80</b> | 94.5 | Red |     |
| 12.2 | Manufacturing of water based paints   | 35 | 30 | 20 | <b>85</b> | 25 | 20 | 25 | <b>70</b> | 30 | 20 | <b>50</b> | 94.0 | Red |     |
| 12.3 | Manufacturing of powder coatings  | 0  | 15 | 15 | <b>30</b> | 20 | 30 | 25 | <b>75</b> | 20 | 20 | <b>40</b> | 83.8 | Red |     |
| 13.0 | Organic chemicals including halogenated hydrocarbons  |    |    |    |           |    |    |    |           |    |    |           |      |     | Red |
| 13.1 | Organic chemicals   | 30 | 30 | 25 | <b>85</b> | 35 | 25 | 30 | <b>90</b> | 40 | 20 | <b>60</b> | 97.3 | Red |     |



|      |   |    |    |    |           |    |    |    |            |    |    |           |       |        |     |
|------|---|----|----|----|-----------|----|----|----|------------|----|----|-----------|-------|--------|-----|
| 13.2 | Organic chemicals (using cleaner fuel)                                      | 30 | 30 | 25 | <b>85</b> | 35 | 25 | 10 | <b>70</b>  | 40 | 20 | <b>60</b> | 94.8  | Red    |     |
| 14.0 | Asbestos and asbestos based industries                                      | 10 | 30 | 25 | <b>65</b> | 35 | 30 | 30 | <b>95</b>  | 50 | 30 | <b>80</b> | 98.6  | Red    | Red |
| 15.0 | Cement plants   |    |    |    |           |    |    |    |            |    |    |           |       |        | Red |
| 15.1 | With co-processing with CPP (Captive Power Plant)                           | 20 | 25 | 35 | <b>80</b> | 35 | 30 | 35 | <b>100</b> | 20 | 40 | <b>60</b> | 100.0 | Red    |     |
| 15.2 | With co-processing without CPP  | 0  | 0  | 0  | <b>0</b>  | 35 | 30 | 35 | <b>100</b> | 40 | 20 | <b>60</b> | 100.0 | Red    |     |
| 15.3 | Without co-processing with CPP  | 20 | 25 | 35 | <b>80</b> | 35 | 30 | 35 | <b>100</b> | 20 | 40 | <b>60</b> | 100.0 | Red    |     |
| 15.4 | Without co-processing without CPP   | 0  | 0  | 0  | <b>0</b>  | 25 | 30 | 35 | <b>90</b>  | 40 | 20 | <b>60</b> | 93.0  | Red    |     |
| 15.5 | Stand-alone grinding units with CPP   | 20 | 25 | 35 | <b>80</b> | 25 | 30 | 35 | <b>90</b>  | 20 | 40 | <b>60</b> | 97.0  | Red    |     |
| 15.6 | Stand-alone grinding units without CPP                                      | 0  | 0  | 0  | <b>0</b>  | 25 | 30 | 0  | <b>55</b>  | 40 | 20 | <b>60</b> | 71.0  | Orange |     |
| 16.0 | Dyes, Dye Intermediates and Pigments productions                            |    |    |    |           |    |    |    |            |    |    |           |       |        | Red |
| 16.1 | Dyes, Dye Intermediates and Pigments produced by chemical synthesis         | 35 | 30 | 25 | <b>90</b> | 30 | 20 | 25 | <b>75</b>  | 40 | 20 | <b>60</b> | 96.8  | Red    |     |
| 16.2 | Natural Dye and Pigments requiring acidic/ alkaline/ solvent extraction     | 30 | 30 | 20 | <b>80</b> | 25 | 20 | 25 | <b>70</b>  | 30 | 10 | <b>40</b> | 91.0  | Red    |     |
| 16.3 | Natural Dye and Pigments not requiring acidic/ alkaline/ solvent extraction | 30 | 20 | 20 | <b>70</b> | 25 | 0  | 25 | <b>50</b>  | 0  | 0  | <b>0</b>  | 77.5  | Orange |     |
| 17.0 | Manufacturing of glue and gelatin   |    |    |    |           |    |    |    |            |    |    |           |       |        | Red |
| 17.1 | Manufacturing of glue and gelatin using coal/liquid fuel                    | 25 | 20 | 15 | <b>60</b> | 25 | 20 | 25 | <b>70</b>  | 20 | 10 | <b>30</b> | 83.5  | Red    |     |
| 17.2 | Manufacturing of glue and gelatin by using biomass                          | 25 | 20 | 15 | <b>60</b> | 25 | 20 | 15 | <b>60</b>  | 20 | 10 | <b>30</b> | 78.0  | Orange |     |
| 17.3 | Manufacturing of glue and gelatin by using cleaner/gaseous fuel             | 25 | 20 | 15 | <b>60</b> | 25 | 20 | 10 | <b>55</b>  | 20 | 10 | <b>30</b> | 77.0  | Orange |     |
| 18.0 | Mining and ore beneficiation  |    |    |    |           |    |    |    |            |    |    |           |       |        | Red |

|      |  |    |    |    |           |    |    |    |           |    |    |            |       |        |     |
|------|--|----|----|----|-----------|----|----|----|-----------|----|----|------------|-------|--------|-----|
| 18.1 | Open cast coal mining  | 10 | 25 | 35 | <b>70</b> | 25 | 30 | 35 | <b>90</b> | 20 | 50 | <b>70</b>  | 97.0  | Red    |     |
| 18.2 | Underground coal mining  | 10 | 25 | 35 | <b>70</b> | 25 | 30 | 35 | <b>90</b> | 0  | 0  | <b>0</b>   | 93.5  | Red    |     |
| 18.3 | Ferrous & non-ferrous mining and ore beneficiation   | 20 | 30 | 35 | <b>85</b> | 25 | 30 | 35 | <b>90</b> | 50 | 50 | <b>100</b> | 100.0 | Red    |     |
| 18.4 | Minor minerals mining  | 10 | 0  | 20 | <b>30</b> | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>   | 78.8  | Orange |     |
| 19.0 | Pesticide industries   |    |    |    |           |    |    |    |           |    |    |            |       |        | Red |
| 19.1 | Pesticide technical (organic chemicals based)  | 30 | 30 | 20 | <b>80</b> | 30 | 25 | 25 | <b>80</b> | 40 | 30 | <b>70</b>  | 95.0  | Red    |     |
| 19.2 | Pesticide technical (inorganic chemicals based like Zinc Phosphide and Aluminum Phosphide)   | 20 | 30 | 20 | <b>70</b> | 30 | 25 | 25 | <b>80</b> | 30 | 20 | <b>50</b>  | 92.0  | Red    |     |
| 19.3 | Pesticide formulation industries (Liquid formulation only) having boiler / thermopack  | 20 | 30 | 20 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 30 | 20 | <b>50</b>  | 85.0  | Red    |     |
| 19.4 | Pesticide formulation industries (Liquid formulation only) without having boiler / thermopack  | 20 | 30 | 20 | <b>70</b> | 0  | 0  | 0  | <b>0</b>  | 30 | 20 | <b>50</b>  | 77.5  | Orange |     |
| 19.5 | Pesticide formulation industries (having both liquid and dry formulation or dry formulation only) without having boiler / thermopack | 20 | 30 | 20 | <b>70</b> | 30 | 30 | 0  | <b>60</b> | 30 | 20 | <b>50</b>  | 86.5  | Red    |     |
| 19.6 | Pesticide formulation industries (having both liquid and dry formulation or dry formulation only) having boiler / thermopack         | 20 | 30 | 20 | <b>70</b> | 30 | 30 | 25 | <b>85</b> | 30 | 20 | <b>50</b>  | 94.0  | Red    |     |
| 20.0 | Yarn/ Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring    |    |    |    |           |    |    |    |           |    |    |            |       |        | Red |

|      |  |    |    |    |           |    |    |    |           |    |    |           |      |        |     |
|------|--|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|-----|
| 20.1 | Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring (wastewater generation ≥100KLD )              | 30 | 30 | 30 | <b>90</b> | 25 | 0  | 35 | <b>60</b> | 50 | 30 | <b>80</b> | 97.0 | Red    | -   |
| 20.2 | Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring (wastewater generation ≥100KLD & cleaner fuel | 30 | 30 | 30 | <b>90</b> | 25 | 0  | 20 | <b>45</b> | 50 | 30 | <b>80</b> | 96.3 | Red    | -   |
| 20.3 | Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring (wastewater generation <100KLD & cleaner fuel | 30 | 30 | 20 | <b>80</b> | 25 | 0  | 20 | <b>45</b> | 50 | 30 | <b>80</b> | 92.5 | Red    | -   |
| 20.4 | Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring (wastewater generation <100KLD)               | 30 | 30 | 20 | <b>80</b> | 25 | 0  | 35 | <b>60</b> | 50 | 30 | <b>80</b> | 94.0 | Red    | -   |
| 21.0 | Chlor Alkali   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 21.1 | Chlor alkali   | 10 | 20 | 25 | <b>55</b> | 30 | 25 | 25 | <b>80</b> | 30 | 20 | <b>50</b> | 90.5 | Red    |     |
| 21.2 | Chlor alkali using washed salt   | 10 | 20 | 15 | <b>45</b> | 30 | 25 | 25 | <b>80</b> | 30 | 10 | <b>40</b> | 88.5 | Red    |     |
| 21.3 | Chlor alkali using cleaner/gaseous fuel  | 10 | 20 | 25 | <b>55</b> | 30 | 25 | 10 | <b>65</b> | 30 | 20 | <b>50</b> | 83.4 | Red    |     |
| 21.4 | Chlor alkali using cleaner/gaseous fuel and washed salt  | 10 | 20 | 15 | <b>45</b> | 30 | 25 | 10 | <b>65</b> | 30 | 10 | <b>40</b> | 79.9 | Orange |     |
| 22.0 | Oil and gas extraction (offshore & on-shore extraction through drilling wells), CBM and shale gas  | 25 | 30 | 15 | <b>70</b> | 20 | 25 | 0  | <b>45</b> | 40 | 10 | <b>50</b> | 84.3 | Red    | Red |
| 23.0 | Industry or process involving metal surface treatment or process   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |

|      |   |    |    |    |     |    |    |    |    |    |    |    |       |        |     |
|------|---|----|----|----|-----|----|----|----|----|----|----|----|-------|--------|-----|
| 23.1 | Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing | 25 | 30 | 20 | 75  | 30 | 0  | 0  | 30 | 50 | 30 | 80 | 90.5  | Red    |     |
| 23.2 | Plasma electrolytic polishing (electroplating)  | 25 | 30 | 20 | 75  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 75.0  | Orange |     |
| 24.0 | Tanneries   |    |    |    |     |    |    |    |    |    |    |    |       |        | Red |
| 24.1 | Tanneries (Raw to finish)   | 35 | 30 | 25 | 90  | 0  | 0  | 0  | 0  | 50 | 30 | 80 | 94.0  | Red    |     |
| 24.2 | Tanneries (Raw to wet blue)   | 35 | 30 | 25 | 90  | 0  | 0  | 0  | 0  | 50 | 30 | 80 | 94.0  | Red    |     |
| 24.3 | Tanneries (Wet blue to finish)  | 35 | 30 | 20 | 85  | 0  | 0  | 0  | 0  | 50 | 30 | 80 | 91.0  | Red    |     |
| 24.4 | Vegetable tanning   | 20 | 25 | 25 | 70  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 70.0  | Orange |     |
| 25.0 | Synthetic fibers manufacturing  |    |    |    |     |    |    |    |    |    |    |    |       |        | Red |
| 25.1 | Synthetic fibers including rayon, tyre cord, viscose filament yarn/staple fiber, acrylic fibers   | 25 | 20 | 25 | 70  | 30 | 20 | 25 | 75 | 30 | 10 | 40 | 88.8  | Red    |     |
| 25.2 | Synthetic fibers including rayon, tyre cord, viscose filament yarn/staple fiber, acrylic fibers using cleaner/gaseous fuel  | 25 | 20 | 25 | 70  | 30 | 20 | 10 | 60 | 30 | 10 | 40 | 85.0  | Red    |     |
| 25.3 | Synthetic fibers-PSF & PFY, generated from petrochemical  | 35 | 30 | 35 | 100 | 30 | 25 | 35 | 90 | 40 | 20 | 60 | 100.0 | Red    |     |
| 25.4 | Synthetic fibers-PSF& PFY, generated from petrochemical, using cleaner/gaseous fuel   | 35 | 30 | 35 | 100 | 30 | 25 | 10 | 65 | 40 | 20 | 60 | 100.0 | Red    | -   |

|      |  |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|------|--|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 26.0 | Slaughter house (integrated) and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 26.1 | Slaughter house (integrated plants)  | 30 | 25 | 30 | 85 | 25 | 20 | 25 | 70 | 0  | 0  | 0  | 90.3 | Red    |        |
| 26.2 | Meat processing units without rendering plant  | 30 | 25 | 30 | 85 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 88.8 | Red    |        |
| 27.0 | Aluminium processing   |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 27.1 | Aluminium Refinery   | 10 | 30 | 35 | 75 | 25 | 25 | 35 | 85 | 20 | 50 | 70 | 95.9 | Red    |        |
| 27.2 | Aluminium Smelter  | 10 | 30 | 35 | 75 | 30 | 25 | 35 | 90 | 50 | 40 | 90 | 98.3 | Red    |        |
| 28.0 | Copper Smelter   | 10 | 30 | 35 | 75 | 30 | 25 | 35 | 90 | 20 | 50 | 70 | 97.3 | Red    | Red    |
| 29.0 | Zinc smelter   | 10 | 30 | 35 | 75 | 30 | 25 | 35 | 90 | 50 | 40 | 90 | 98.3 | Red    | Red    |
| 30.0 | Fertilizers production   |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 30.1 | Fertilizers (Urea)   | 10 | 30 | 35 | 75 | 30 | 30 | 20 | 80 | 30 | 30 | 60 | 93.5 | Red    |        |
| 30.2 | Fertilizers (Calcium Ammonium Nitrate / Ammonium Nitrate)  | 10 | 30 | 25 | 65 | 30 | 25 | 25 | 80 | 30 | 20 | 50 | 91.5 | Red    |        |
| 30.3 | Fertilizers (NPK)  | 10 | 30 | 25 | 65 | 30 | 25 | 25 | 80 | 30 | 20 | 50 | 91.5 | Red    |        |
| 30.4 | Fertilizers (Straight Phosphatic Fertilizers)  | 10 | 30 | 25 | 65 | 30 | 25 | 25 | 80 | 30 | 20 | 50 | 91.5 | Red    |        |
| 30.5 | Fertilizer (granulation /formulation / blending) generating wastewater through floor washings, cooling towers etc.             | 10 | 30 | 15 | 55 | 30 | 30 | 0  | 60 | 20 | 10 | 30 | 77.0 | Orange |        |
| 30.6 | Fertilizer (granulation /formulation / blending) not generating wastewater   | 0  | 0  | 0  | 0  | 30 | 30 | 0  | 60 | 20 | 10 | 30 | 66.0 | Orange | Orange |

|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |     |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|-----|
| 31.0 | Iron & steel (primary processing from ore, integrated steel plants and Sponge Iron units) |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 31.1 | Integrated iron and steel plants  | 25 | 30 | 35 | <b>90</b> | 25 | 30 | 35 | <b>90</b> | 50 | 40 | <b>90</b> | 99.0 | Red    |     |
| 31.2 | Stand-alone sintering / pelletisation   | 0  | 0  | 0  | <b>0</b>  | 25 | 30 | 35 | <b>90</b> | 0  | 0  | <b>0</b>  | 90.0 | Red    |     |
| 31.3 | Sponge iron with CPP (Captive Power Plant)  | 20 | 25 | 35 | <b>80</b> | 25 | 30 | 35 | <b>90</b> | 20 | 40 | <b>60</b> | 97.0 | Red    |     |
| 31.4 | Sponge iron without CPP   | 20 | 15 | 30 | <b>65</b> | 25 | 30 | 35 | <b>90</b> | 20 | 40 | <b>60</b> | 96.3 | Red    |     |
| 31.5 | Stand-alone coke oven gas plants  | 25 | 30 | 30 | <b>85</b> | 25 | 30 | 35 | <b>90</b> | 50 | 40 | <b>90</b> | 98.8 | Red    |     |
| 32.0 | Pulp and Paper (Recycled fibre/Waste paper based)   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 32.1 | Pulp & Paper (With bleaching)   | 30 | 15 | 35 | <b>80</b> | 25 | 0  | 25 | <b>50</b> | 20 | 30 | <b>50</b> | 90.0 | Red    |     |
| 32.2 | Pulp & Paper (Without bleaching, capacity ≥15 TPD)  | 25 | 15 | 35 | <b>75</b> | 25 | 0  | 25 | <b>50</b> | 20 | 30 | <b>50</b> | 87.5 | Red    |     |
| 32.3 | Pulp & Paper (Without bleaching; plant capacity <15 TPD)                                  | 25 | 15 | 20 | <b>60</b> | 25 | 0  | 15 | <b>40</b> | 20 | 10 | <b>30</b> | 74.0 | Orange |     |
| 33.0 | Petroleum oil refineries  | 35 | 30 | 30 | <b>95</b> | 35 | 20 | 35 | <b>90</b> | 30 | 20 | <b>50</b> | 98.5 | Red    | Red |
| 34.0 | Petrochemicals  |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 34.1 | Petrochemicals (Naphtha cracker.)   | 30 | 30 | 30 | <b>90</b> | 35 | 25 | 35 | <b>95</b> | 40 | 20 | <b>60</b> | 98.8 | Red    |     |
| 34.2 | Petrochemicals (Gas cracker)  | 30 | 30 | 30 | <b>90</b> | 35 | 25 | 25 | <b>85</b> | 40 | 20 | <b>60</b> | 97.3 | Red    |     |
| 34.3 | Petrochemicals (without cracker)  | 25 | 30 | 20 | <b>75</b> | 25 | 25 | 15 | <b>65</b> | 30 | 20 | <b>50</b> | 89.4 | Red    |     |
| 34.4 | Petrochemicals (without cracker and using cleaner/gaseous fuel)                           | 25 | 30 | 20 | <b>75</b> | 25 | 25 | 10 | <b>60</b> | 30 | 20 | <b>50</b> | 88.8 | Red    |     |
| 35.0 | Pharmaceutical industry   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |

|      |  |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|------|--|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 35.1 | Pharmaceuticals manufacturing                                      | 35 | 30 | 30 | 95 | 35 | 25 | 35 | 95 | 30 | 20 | 50 | 98.6 | Red    |        |
| 35.1 | Pharmaceutical R&D facilities                                      | 20 | 15 | 15 | 50 | 25 | 0  | 25 | 50 | 20 | 10 | 30 | 70.0 | Orange |        |
| 35.2 | Pharmaceuticals manufacturing using cleaner/gaseous fuel           | 35 | 30 | 30 | 95 | 35 | 25 | 10 | 70 | 30 | 20 | 50 | 98.0 | Red    |        |
| 35.3 | Pharmaceuticals (Formulation)                                      | 20 | 15 | 15 | 50 | 25 | 0  | 25 | 50 | 20 | 10 | 30 | 70.0 | Orange |        |
| 35.4 | Pharmaceuticals (Formulation) using cleaner/gaseous fuel           | 20 | 15 | 15 | 50 | 25 | 0  | 10 | 35 | 20 | 10 | 30 | 66.3 | Orange |        |
| 35.5 | Vaccine manufacturing  | 20 | 15 | 15 | 50 | 25 | 0  | 35 | 60 | 20 | 10 | 30 | 76.0 | Orange |        |
| 35.6 | Vaccine manufacturing using cleaner/gaseous fuel                   | 20 | 15 | 15 | 50 | 25 | 0  | 10 | 35 | 20 | 10 | 30 | 66.3 | Orange |        |
| 35.7 | Ayurvedic or unani medicines manufacturing                         | 20 | 15 | 15 | 50 | 25 | 0  | 25 | 50 | 20 | 10 | 30 | 70.0 | Orange |        |
| 35.8 | Ayurvedic or unani medicines manufacturing using cleaner fuel      | 20 | 15 | 15 | 50 | 25 | 0  | 10 | 35 | 0  | 0  | 0  | 58.8 | Orange |        |
| 35.9 | Ayurvedic or unani medicines manufacturing (Without boiler )       | 20 | 15 | 15 | 50 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 50.0 | Green  |        |
| 36.0 | Food and food processing including fruits and vegetable processing |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 36.1 | Waste Water generation $\geq$ 500 KLD                              | 25 | 15 | 35 | 75 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 81.3 | Red    |        |

|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 36.2 | Waste Water generation ≥ 100 to 500 KLD   | 25 | 15 | 30 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |
| 36.3 | Waste Water generation 10 to 100 KLD  | 25 | 15 | 25 | <b>65</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 73.8 | Orange |        |
| 36.4 | Waste Water generation 10 to 100 KLD and using cleaner/gaseous fuel                             | 25 | 15 | 25 | <b>65</b> | 25 | 0  | 10 | <b>35</b> | 0  | 0  | <b>0</b>  | 71.1 | Orange |        |
| 37.0 | Manufacturing of silica gel   | 10 | 25 | 20 | <b>55</b> | 30 | 0  | 20 | <b>50</b> | 50 | 10 | <b>60</b> | 81.0 | Red    | Orange |
| 38.0 | Refractories  | 10 | 30 | 25 | <b>65</b> | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 83.1 | Red    | Orange |
| 39.0 | Coal washeries  | 20 | 25 | 35 | <b>80</b> | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 82.5 | Red    | Orange |
| 40.0 | Mineral processing, industries involving ore sintering, pelletisating, grinding & pulverization | 0  | 0  | 0  | <b>0</b>  | 25 | 30 | 35 | <b>90</b> | 0  | 0  | <b>0</b>  | 90.0 | Red    | Orange |
| 41.0 | Distilleries and fermentation industries  |    |    |    |           |    |    |    |           |    |    |           |      |        | Red    |
| 41.1 | Distillery (molasses based)   | 35 | 25 | 35 | <b>95</b> | 25 | 20 | 35 | <b>80</b> | 0  | 0  | <b>0</b>  | 97.0 | Red    |        |
| 41.2 | Distillery (Grain based)  | 35 | 25 | 30 | <b>90</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 92.5 | Red    |        |
| 41.3 | Distillery (Grain based) with DDGS as by product  | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |



|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 41.4 | Standalone yeast manufacturing units  | 35 | 25 | 35 | <b>95</b> | 25 | 20 | 25 | <b>70</b> | 0  | 0  | <b>0</b>  | 96.8 | Red    |        |
| 41.5 | Breweries and malteries industry  | 30 | 15 | 25 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |
| 41.6 | Potable alcohol by blending, bottling of alcohol products   | 20 | 0  | 25 | <b>45</b> | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 45.0 | Green  |        |
| 42.0 | Ferrous and Non-ferrous metal secondary processing/reprocessing units involving different furnaces through melting, refining, casting, alloy-making | 20 | 15 | 20 | <b>55</b> | 25 | 25 | 25 | <b>75</b> | 15 | 10 | <b>25</b> | 85.0 | Red    | Orange |
| 43.0 | Non-alcoholic beverages (soft drink)  | -  | -  | -  |           | -  | -  | -  |           | -  | -  |           |      | -      | Orange |
| 43.1 | Waste Water generation ≥ 100 KLD  | 25 | 20 | 30 | <b>75</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 81.3 | Red    |        |
| 43.2 | Waste Water generation < 100 KLD  | 25 | 20 | 25 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |
| 44.0 | Rolling mills   |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 44.1 | Rolling and pickling  | 25 | 30 | 15 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 50 | 10 | <b>60</b> | 86.5 | Red    |        |
| 44.2 | Rolling mills (oil and coal fired)  | 0  | 15 | 15 | <b>30</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 57.5 | Orange |        |
| 44.3 | Rolling mills (gas fired)   | 0  | 15 | 15 | <b>30</b> | 25 | 0  | 10 | <b>35</b> | 0  | 0  | <b>0</b>  | 44.8 | Green  |        |
| 44.4 | Cold rolling mill (without heat treatment)  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 0.0  | White  |        |
| 45.0 | Edible oil mills  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
| 45.1 | Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils  | 25 | 25 | 25 | <b>75</b> | 25 | 0  | 20 | <b>45</b> | 30 | 10 | <b>40</b> | 85.6 | Red    | Orange |
| 45.2 | Oil mills Ghani and extraction without boiler (no refining/ hydrogenation)  | 10 | 25 | 15 | <b>50</b> | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 50.0 | Green  | Green  |
| 46.0 | Battery manufacturing   |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 46.1 | Lead acid   | 0  | 15 | 20 | <b>35</b> | 35 | 25 | 25 | <b>85</b> | 50 | 30 | <b>80</b> | 93.6 | Red    | Red    |
| 46.2 | Nickel-Cadmium  | 10 | 30 | 15 | <b>55</b> |    |    |    | <b>0</b>  |    |    | <b>0</b>  | 55.0 | Orange |        |

|      |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|------|---|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 46.4 | Lithium ion   | 20 | 30 | 20 | 70 |    |    |    | 0  |    |    | 0  | 70.0 | Orange |        |
| 46.5 | Zinc carbon   | 20 | 30 | 20 | 70 | 0  | 0  | 0  | 0  | 30 | 20 | 50 | 77.5 | Orange |        |
| 46.6 | Other batteries   | 20 | 30 | 20 | 70 |    |    |    | 0  |    |    | 0  | 70.0 | Orange |        |
| 47.0 | Synthetic resins  |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 47.1 | Synthetic resins manufacturing  | 20 | 15 | 15 | 50 | 25 | 20 | 25 | 70 | 30 | 10 | 40 | 83.5 | Red    |        |
| 47.2 | Blending of melamine resins & different powder, additives by physical mixing, including phenolic resin  | 0  | 15 | 15 | 30 | 20 | 0  | 10 | 30 | 30 | 10 | 40 | 58.0 | Orange | Green  |
| 48.0 | Industries engaged in recycling /reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of H&OW( M & TBM) Rules, 2016 - Items namely - "Used Oils" |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 48.1 | Re-refining of used oil by hydro-treating   | 20 | 25 | 25 | 70 | 25 | 0  | 25 | 50 | 30 | 20 | 50 | 85.0 | Red    |        |
| 48.2 | Re-refining of used oil using solvent extraction  | 20 | 25 | 25 | 70 | 25 | 0  | 25 | 50 | 30 | 20 | 50 | 85.0 | Red    |        |
| 48.3 | Re-refining of used oil using thin film evaporation   | 20 | 25 | 15 | 60 | 25 | 0  | 15 | 40 | 30 | 10 | 40 | 76.0 | Orange |        |
| 48.4 | Re-refining of used oil by vaccume distillation with clay treatment   | 20 | 25 | 15 | 60 | 25 | 0  | 15 | 40 | 30 | 10 | 40 | 76.0 | Orange |        |
| 49.0 | Producer gas plant using conventional coal gasification (generally linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)  | 20 | 30 | 15 | 65 | 25 | 0  | 25 | 50 | 20 | 20 | 40 | 80.8 | Red    | Orange |
| 50.0 | Compressed Biogas (CBG)/Bio-CNG plants  |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
| 50.1 | CBG plants based on Municipal Solid Waste (MSW) as feed   | 30 | 25 | 25 | 80 | 0  | 20 | 0  | 20 | 0  | 0  | 0  | 82.0 | Red    | Orange |

|      |  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|--|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 50.2 | CBG plants based on crop residue (paddy straw /wheat straw /corn sweet sorghum/ napier grass, etc.) as feed  | 30 | 25 | 25 | <b>80</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 82.0 | Red    | Green  |
| 50.3 | CBG plants based on process waste (industrial/ process liquid effluent & solid waste like press mud, organic sludge, molasses, etc.) as feed             | 30 | 25 | 25 | <b>80</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 82.0 | Red    | Orange |
| 50.4 | CBG plants based on animal waste (dairy farms, poultry farms, and other animal waste) as feed  | 30 | 25 | 20 | <b>75</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange | Green  |
| 50.5 | CBG plants (irrespective of the type of feed) producing Fermented Organic Manure (FOM) & Liquid Fermented Organic Manure (LFOM) as by-products           | 0  | 0  | 0  | <b>0</b>  | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 20.0 | White  | White  |
| 51.0 | Semiconductor manufacturing  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
| 51.1 | Semiconductor fabs manufacturing   | 25 | 30 | 35 | <b>90</b> | 35 | 30 | 25 | <b>90</b> | 50 | 20 | <b>70</b> | 98.0 | Red    |        |
| 51.2 | Assembly and packaging of OSAT/ATMP  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 50 | 20 | <b>70</b> | 73.8 | Orange |        |
| 52.0 | Display fabs manufacturing   | 25 | 30 | 35 | <b>90</b> | 35 | 30 | 25 | <b>90</b> | 50 | 20 | <b>70</b> | 98.0 | Red    |        |
| 53.0 | Compound semiconductors/ silicon photonics   | 25 | 30 | 35 | <b>90</b> | 35 | 30 | 25 | <b>90</b> | 50 | 20 | <b>70</b> | 98.0 | Red    |        |
| 54.0 | Isolated storages (as defined under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended)                                       |    |    |    |           |    |    |    |           |    |    |           |      |        | Red    |
| 54.1 | Isolated storage for storing petroleum/ petroleum derived and other liquid chemical products that are in liquid state at normal temperature and pressure | 0  | 25 | 15 | <b>40</b> | 0  | 25 | 0  | <b>25</b> | 40 | 10 | <b>50</b> | 66.3 | Orange |        |

|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |     |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|-----|
| 54.2 | Isolated storage for storing petroleum products that are stored under high pressure like LPG, NG etc. and Volatile Organic Compounds (VOCs) | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 40 | 10 | <b>50</b> | 56.3 | Orange |     |
| 54.3 | Isolated storages of inorganic gases such as ammonia, chlorine, hydrogen, oxygen, nitrogen, CS2 etc.  | 0  | 15 | 15 | <b>30</b> | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 38.8 | Green  |     |
| 55.0 | Manufacturing of lubricating oils, grease and petroleum based products  | 20 | 15 | 15 | <b>50</b> | 20 | 20 | 10 | <b>50</b> | 40 | 10 | <b>50</b> | 75.0 | Orange | Red |
| 56.0 | Fibre glass (Fibre reinforced plastic) production   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 56.1 | Fibre glass (containing lead) production and processing (excluding moulding)  | 0  | 0  | 0  | <b>0</b>  | 35 | 0  | 25 | <b>60</b> | 50 | 20 | <b>70</b> | 79.0 | Orange |     |
| 56.2 | Fibre glass (without lead) production and processing (excluding moulding)   | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 25 | <b>50</b> | 50 | 20 | <b>70</b> | 77.5 | Orange |     |
| 57.0 | Fire crackers manufacturing   |    |    |    |           |    |    |    |           |    |    |           |      |        | Red |
| 57.1 | Fire crackers manufacturing and bulk storage facilities   | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 50 | 20 | <b>70</b> | 73.8 | Orange |     |
| 57.2 | Green crackers manufacturing  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 25.0 | Green  |     |
| 58.0 | Manufacturing of explosives, detonators, fuses including management and handling activities   | 25 | 30 | 15 | <b>70</b> | 0  | 0  | 0  | <b>0</b>  | 40 | 10 | <b>50</b> | 77.5 | Orange | Red |

|      |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|------|---|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 59.0 | Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of H&OW( M & TBM) Rules, 2016 - Items namely - Lead acid battery plates and other lead scrap/ashes/residues not covered under Batteries (Management and Handling) Rules, 2001. [* Battery scrap, namely: Lead battery plates covered by ISRI, Code word “Rails” Battery lugs covered by ISRI, Code word “Rakes”. Scrap drained/dry while intact, lead batteries covered by ISRI, Code word “rains”. |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 59.1 | Lead Recycling ( Lead Acid Batteries with Acids; Lead Scrap Recycling) Rotary Furnace   | 0  | 30 | 15 | 45 | 35 | 0  | 25 | 60 | 30 | 20 | 50 | 79.0 | Orange |        |
| 59.2 | Lead Recycling ( Lead Acid Batteries with Acids; Lead Scrap Recycling) Pit Furnace (Mandir/Canopy Bhatti)   | 0  | 30 | 15 | 45 | 35 | 0  | 15 | 50 | 30 | 20 | 50 | 73.8 | Orange |        |
| 59.3 | Lead Recycling ( Drained Lead Acid Batteries; Lead Scrap Recycling) Rotary Furnace/Mandir Bhatti on Cleaner Fuel  | 0  | 0  | 0  | 0  | 35 | 0  | 25 | 60 | 30 | 20 | 50 | 70.0 | Orange |        |
| 59.4 | Lead Recycling (Drained Lead Acid Batteries; Lead Scrap Recycling) Pit Furnace (Mandir/Canopy Bhatti) on Biomass  | 0  | 0  | 0  | 0  | 35 | 0  | 15 | 50 | 30 | 20 | 50 | 62.5 | Orange |        |
| 59.5 | Lead Recycling Standalone (Battery Breaking unit)   | 0  | 30 | 15 | 45 | 0  | 0  | 0  | 0  | 30 | 10 | 40 | 56.0 | Orange |        |
| 60.0 | Photographic film and its chemicals   | 20 | 20 | 15 | 55 | 30 | 0  | 25 | 55 | 20 | 10 | 30 | 74.1 | Orange | Red    |
| 61.0 | Ship breaking industries  | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 50 | 20 | 70 | 73.8 | Orange | Red    |
| 62.0 | Synthetic rubber excluding molding  | 20 | 15 | 15 | 50 | 20 | 0  | 25 | 45 | 30 | 10 | 40 | 71.3 | Orange | Orange |

|      |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|------|---|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 63.0 | Bakery, confectionery and sweets products   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 63.1 | Bakery, confectionery, sweets with production capacity ≥ 1 TPD  | 25 | 0  | 20 | 45 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 61.3 | Orange |        |
| 63.2 | Bakery, confectionery, sweets with production capacity ≥ 1 TPD. (using cleaner/gaseous fuel)          | 25 | 0  | 20 | 45 | 25 | 0  | 10 | 35 | 0  | 0  | 0  | 54.6 | Green  |        |
| 63.4 | Bakery /confectionery/sweets products (with production capacity < 1 TPD                               | 20 | 0  | 15 | 35 | 25 | 0  | 20 | 45 | 0  | 0  | 0  | 54.6 | Green  | Green  |
| 63.5 | Bakery /confectionery/sweets products (with production capacity < 1 TPD (using cleaner/gaseous fuels) | 20 | 0  | 15 | 35 | 25 | 0  | 10 | 35 | 0  | 0  | 0  | 46.4 | Green  |        |
| 64.0 | Compact disc computer (CD/DVD) / cassette manufacturing / reel manufacturing                          | 10 | 30 | 15 | 55 | 30 | 0  | 0  | 30 | 0  | 0  | 0  | 61.8 | Orange | Orange |
| 65.0 | Jute processing   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 65.1 | Jute processing (with dyeing and with boiler)   | 25 | 20 | 25 | 70 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 77.5 | Orange |        |
| 65.2 | Jute processing (without dyeing and without boiler)   | 20 | 0  | 25 | 45 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 45.0 | Green  |        |
| 66.0 | Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items                     |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 66.1 | Manufacturing of toothpaste and other cosmetic items  | 20 | 25 | 20 | 65 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 73.8 | Orange |        |
| 66.2 | Manufacturing of tooth powder, talcum powder  | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0  | 0  | 0  | 25.0 | Green  |        |
| 67.0 | Printing or etching of glass sheet using hydrofluoric acid  | 20 | 0  | 15 | 35 | 30 | 0  | 0  | 30 | 50 | 10 | 60 | 73.0 | Orange |        |

|      |  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|--|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 68.0 | Saree/fabric printing by screen / wooden block /hand block                             |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 68.1 | Saree/fabric printing by screen / wooden block/hand block                              | 25 | 0  | 25 | <b>50</b> | 25 | 0  | 20 | <b>45</b> | 40 | 10 | <b>50</b> | 73.8 | Orange |        |
| 68.2 | Hand block printing without effluent generation  | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 20 | <b>45</b> | 0  | 0  | <b>0</b>  | 45.0 | Green  |        |
| 69.0 | Synthetic detergent and soaps  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 69.1 | Synthetic detergents and soaps   | 20 | 20 | 20 | <b>60</b> | 25 | 0  | 20 | <b>45</b> | 0  | 0  | <b>0</b>  | 69.0 | Orange |        |
| 69.2 | Synthetic detergents and soaps (only formulation)                                      | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 50.0 | Green  |        |
| 70.0 | Thermometer manufacturing  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 70.1 | Glass (mercury based) thermometer manufacturing  | 10 | 30 | 15 | <b>55</b> | 25 | 0  | 10 | <b>35</b> | 50 | 10 | <b>60</b> | 78.0 | Orange |        |
| 70.2 | Digital thermometer manufacturing  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 0.0  | White  |        |
| 71.0 | Cotton spinning and weaving mills (medium and large scale)                             | 10 | 20 | 20 | <b>50</b> | 25 | 0  | 15 | <b>40</b> | 0  | 0  | <b>0</b>  | 60.0 | Orange | Orange |
| 72.0 | Aluminium & copper extraction from scrap using oil fired furnace (dry process only)    | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 75.0 | Orange | Orange |
| 73.0 | Brick manufacturing  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 73.1 | Brick kilns using coal as fuel   | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 75.0 | Orange |        |
| 73.2 | Brick kilns using biomass as fuel  | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 15 | <b>65</b> | 0  | 0  | <b>0</b>  | 65.0 | Orange |        |
| 73.3 | Tunnel brick kilns (gas fired)   | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 10 | <b>60</b> | 0  | 0  | <b>0</b>  | 60.0 | Orange |        |
| 74.0 | Ceramics   |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 74.1 | Ceramics/ Glass /Earthen potteries and tile manufacturing (using coal/oil fired kilns) | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 75.0 | Orange |        |

|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 74.2 | Ceramics/ Glass /Earthen potteries and tile manufacturing (using gas fired kilns)/tunnel kiln                       | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 10 | <b>60</b> | 0  | 0  | <b>0</b>  | 60.0 | Orange |        |
| 74.3 | Ceramics/ Glass /Earthen potteries and tile manufacturing (using electrical kiln or not involving fossil fuel kiln) | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 25.0 | Green  | Green  |
| 75.0 | Manufacturing of mirror from sheet glass  | 0  | 0  | 0  | <b>0</b>  | 30 | 20 | 0  | <b>50</b> | 50 | 10 | <b>60</b> | 70.0 | Orange | Orange |
| 76.0 | Dairy and dairy products (small scale)  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 76.1 | Dairy and dairy products, using coal as fuel  | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |
| 76.2 | Dairy and dairy products, using biomass as fuel   | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 15 | <b>40</b> | 0  | 0  | <b>0</b>  | 76.0 | Orange |        |
| 76.3 | Dairy and dairy products, using PNG as fuel   | 25 | 25 | 20 | <b>70</b> | 0  | 0  | 10 | <b>10</b> | 0  | 0  | <b>0</b>  | 71.5 | Orange |        |
| 77.0 | Fish feed, poultry feed and cattle feed   | 0  | 0  | 0  | <b>0</b>  | 25 | 20 | 25 | <b>70</b> | 0  | 0  | <b>0</b>  | 70.0 | Orange | Orange |
| 78.0 | Fish processing and packing (excluding chilling of fishes)  | 25 | 25 | 20 | <b>70</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 73.0 | Orange | Orange |
| 79.0 | Forging of ferrous and non-ferrous metals   | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 75.0 | Orange | Orange |
| 80.0 | Formulation/pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.                  | 0  | 0  | 0  | <b>0</b>  | 35 | 20 | 0  | <b>55</b> | 0  | 0  | <b>0</b>  | 55.0 | Orange | Orange |
| 81.0 | Gravure printing, digital printing on flex /vinyl   | 25 | 0  | 15 | <b>40</b> | 20 | 0  | 0  | <b>20</b> | 40 | 20 | <b>60</b> | 72.0 | Orange | Orange |
| 82.0 | Hot mix plants  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 82.1 | Hot mix plants using oil as fuel  | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 0  | <b>0</b>  | 75.0 | Orange |        |



|      |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 82.3 | Hot mix plants using gaseous as fuel  | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 10 | <b>60</b> | 0  | 0  | <b>0</b>  | 60.0 | Orange |        |
| 83.0 | Ice cream   |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 83.1 | Ice cream using coal as fuel  | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 77.5 | Orange |        |
| 83.2 | Ice cream using biomass as fuel   | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 15 | <b>40</b> | 0  | 0  | <b>0</b>  | 76.0 | Orange |        |
| 83.3 | Ice cream using PNG as fuel   | 25 | 25 | 20 | <b>70</b> | 25 | 0  | 10 | <b>35</b> | 0  | 0  | <b>0</b>  | 75.3 | Orange |        |
| 84.0 | Industries engaged in recycling reprocessing/recovery/reuse of Hazardous Waste under schedule IV of HW Rules, 2016 - Items namely -Paint and ink Sludge/residues  | 20 | 25 | 15 | <b>60</b> | 0  | 20 | 0  | <b>20</b> | 40 | 10 | <b>50</b> | 74.0 | Orange | Orange |
| 85.0 | Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of H&OW( M & TBM) Rules, 2016 - Items namely - Brass Dross, Copper Dross, Copper Oxide Mill Scale, Copper everts, Cake & Residues, Waste Copper and copper alloys in dispersible form, Slags from copper processing for further processing or refining, Insulated Copper Wire, Scrap/copper with PVC sheathing including ISRI-code material namely "Druid" Jelly filled Copper cables, Zinc Dross-Hot dip Galvanizers SLAB,, Zinc Dross-Bottom Dross,, Zinc ash/Skimming arising from galvanizing and die casting operations, Zinc ash/Skimming/other zinc bearing wastes arising from smelting and refining,, Zinc ash and residues including zinc alloy residues in dispersible form. | 0  | 30 | 15 | <b>45</b> | 35 | 0  | 25 | <b>60</b> | 30 | 10 | <b>40</b> | 77.0 | Orange | Orange |
| 86.0 | Foundry operations  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |

|       |  |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|-------|--|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 86.1  | Induction furnace/arc furnace  | 0  | 0  | 0  | 0  | 25 | 30 | 0  | 55 | 0  | 0  | 0  | 55.0 | Orange |        |
| 86.2  | Cupola furnace   | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 50.0 | Green  |        |
| Green | Lime manufacturing (using lime kiln)   | 0  | 0  | 0  | 0  | 25 | 25 | 25 | 75 | 0  | 0  | 0  | 75.0 | Orange | Orange |
| 88.0  | Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing  | 25 | 30 | 15 | 70 | 0  | 0  | 0  | 0  | 20 | 10 | 30 | 74.5 | Orange | Orange |
| 89.0  | Manufacturing of glass   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 89.1  | Manufacturing of glass (Oil/coal fired)  | 0  | 15 | 15 | 30 | 25 | 25 | 25 | 75 | 0  | 0  | 0  | 78.8 | Orange |        |
| 89.2  | Manufacturing of glass (gas fired)   | 0  | 15 | 15 | 30 | 25 | 25 | 10 | 60 | 0  | 0  | 0  | 66.0 | Orange |        |
| 90.0  | Manufacturing of iodized salt from crude/ raw salt   | 10 | 0  | 15 | 25 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 56.3 | Orange | Orange |
| 91.0  | Manufacturing of mosquito repellent & coil   | 0  | 0  | 0  | 0  | 30 | 0  | 25 | 55 | 0  | 0  | 0  | 55.0 | Orange | Orange |
| 92.0  | Manufacturing of Starch/Sago   | 30 | 0  | 25 | 55 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 66.3 | Orange | Orange |
| 93.0  | Modular wooden furniture manufacturing   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 93.1  | Modular wooden furniture from particle board, MDF, swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (With boiler)    | 0  | 0  | 0  | 0  | 25 | 25 | 25 | 75 | 0  | 0  | 0  | 75.0 | Orange |        |
| 93.2  | Modular wooden furniture from particle board, MDF, swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (Without boiler) | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0  | 0  | 0  | 25.0 | Green  |        |

|       |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|-------|---|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 94.0  | Paint and varnishes (blending and mixing)   | 20 | 30 | 15 | 65 | 0  | 20 | 0  | 20 | 40 | 20 | 60 | 79.0 | Orange | Orange |
| 95.0  | Ply-wood/board manufacturing (including Veneer and laminate) with biomass fired boiler / thermic fluid heater (without resin plant) | 0  | 0  | 0  | 0  | 25 | 20 | 15 | 60 | 0  | 0  | 0  | 60.0 | Orange | Orange |
| 96.0  | Printing ink manufacturing  | 20 | 30 | 15 | 65 | 0  | 20 | 10 | 30 | 40 | 10 | 50 | 79.0 | Orange | Orange |
| 97.0  | Printing press  | 25 | 0  | 15 | 40 | 20 | 0  | 0  | 20 | 40 | 20 | 60 | 72.0 | Orange | Orange |
| 98.0  | Spray painting, paint baking, paint shipping  | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 40 | 10 | 50 | 56.3 | Orange | Orange |
| 99.0  | Surgical and medical products including prophylactics and latex   | 10 | 25 | 15 | 50 | 25 | 0  | 10 | 35 | 0  | 0  | 0  | 58.8 | Orange | Orange |
| 100.0 | Tephlon based products  | 10 | 0  | 15 | 25 | 25 | 25 | 25 | 75 | 0  | 0  | 0  | 78.1 | Orange | Orange |
| 101.0 | Thermocol manufacturing (with boiler)   | 0  | 20 | 15 | 35 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 58.8 | Orange | Orange |
| 102.0 | Tobacco products including cigarettes and tobacco processes   | 20 | 25 | 15 | 60 | 25 | 20 | 25 | 70 | 0  | 0  | 0  | 79.0 | Orange | Orange |
| 103.0 | Transformer repairing/ manufacturing (dry process only)   | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 40 | 10 | 50 | 56.3 | Orange | Orange |
| 104.0 | Rubber products manufacturing   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 104.1 | Tyre and tube manufacturing   | 0  | 15 | 15 | 30 | 25 | 25 | 25 | 75 | 0  | 0  | 0  | 78.8 | Orange |        |
| 104.2 | Tyres and tubes vulcanization/ hot retreading   | 0  | 15 | 15 | 30 | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 57.5 | Orange |        |
| 104.3 | Rubber goods industry (with boiler)   | 0  | 15 | 15 | 30 | 25 | 0  | 20 | 45 | 0  | 0  | 0  | 53.3 | Green  |        |
| 105.0 | Wire drawing and wire netting   |    |    |    |    |    |    |    |    |    |    |    |      |        | Orange |
| 105.1 | Wire drawing and wire netting (with pickling)   | 25 | 30 | 15 | 70 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 70.0 | Orange |        |

|       |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|-------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 105.2 | Wire drawing and wire netting (without pickling)  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 0.0  | White  |        |
| 106.0 | Cashew nut processing   | 20 | 0  | 15 | <b>35</b> | 25 | 20 | 15 | <b>60</b> | 0  | 0  | <b>0</b>  | 67.0 | Orange | Orange |
| 107.0 | Coffee seeds processing industry  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 107.1 | Coffee seeds processing (wet process)   | 35 | 0  | 20 | <b>55</b> | 25 | 0  | 15 | <b>40</b> | 0  | 0  | <b>0</b>  | 64.0 | Orange |        |
| 107.2 | Coffee seeds processing with eco-pulper   | 20 | 0  | 15 | <b>35</b> | 25 | 0  | 15 | <b>40</b> | 0  | 0  | <b>0</b>  | 50.5 | Green  |        |
| 108.0 | Rice Mills  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 108.1 | Parboiled Rice Mill (with soaking and steam)  | 25 | 0  | 20 | <b>45</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 61.3 | Orange |        |
| 108.2 | Raw rice Mill (Without soaking and steam)/ hullers  | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 0  | 0  | <b>0</b>  | 30.0 | Green  |        |
| 109.0 | Industries engaged in recycling / reprocessing/recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely -"Waste Oils" | 20 | 25 | 15 | <b>60</b> | 25 | 0  | 15 | <b>40</b> | 30 | 10 | <b>40</b> | 76.0 | Orange | Orange |
| 110.0 | Scraping facilities for end-of-life vehicles, wagons and coaches  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |
| 110.1 | Collection, Depollution and Dismantling Centers (Without shredding)   | 0  | 30 | 15 | <b>45</b> | 0  | 30 | 0  | <b>30</b> | 50 | 10 | <b>60</b> | 75.0 | Orange |        |
| 110.2 | Collection, Depollution, Dismantling and shredding Centers  | 0  | 30 | 15 | <b>45</b> | 0  | 30 | 0  | <b>30</b> | 50 | 10 | <b>60</b> | 75.0 | Orange |        |
| 110.3 | Common Shredders (Standalone)   | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 50 | 10 | <b>60</b> | 66.0 | Orange |        |
| 110.4 | Collection Centers (Without Depollution, Dismantling and shredding)   | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 0.0  | White  |        |
| 111.0 | Dairy Farm  |    |    |    |           |    |    |    |           |    |    |           |      |        | Orange |

|       |  |    |    |    |           |    |    |    |           |   |   |          |      |        |        |
|-------|--|----|----|----|-----------|----|----|----|-----------|---|---|----------|------|--------|--------|
| 111.1 | Dairy Farm (having more than 500 animals)  | 30 | 25 | 25 | <b>80</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 82.0 | Red    |        |
| 111.2 | Dairy Farm (having 101 to 500 animals)   | 30 | 25 | 20 | <b>75</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 77.5 | Orange |        |
| 111.3 | Dairy Farm (having 26 to 100 animals)  | 30 | 25 | 15 | <b>70</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 73.0 | Orange |        |
| 111.4 | Dairy Farm (having upto 25 animals)  | 30 | 25 | 15 | <b>70</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 73.0 | Orange |        |
| 112.0 | Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater         | 0  | 0  | 0  | <b>0</b>  | 25 | 20 | 10 | <b>55</b> | 0 | 0 | <b>0</b> | 55.0 | Orange | Green  |
| 113.0 | Fly ash bricks/ block manufacturing  |    |    |    |           |    |    |    |           |   |   |          |      |        | White  |
| 113.1 | Fly ash bricks/ block manufacturing (with boiler)                                      | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0 | 0 | <b>0</b> | 75.0 | Orange |        |
| 113.2 | Fly ash bricks/ block manufacturing (without boiler)                                   | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green  |        |
| 114.0 | Manufacturing of coir and coir products  |    |    |    |           |    |    |    |           |   |   |          |      |        |        |
| 114.1 | Manufacturing of coir (wet/dyeing process)   | 20 | 30 | 15 | <b>65</b> | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 69.4 | Orange | White  |
| 114.2 | Manufacturing of coir (dry process)  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green  | White  |
| 114.3 | Manufacturing of coir items (dry process)  | 0  | 0  | 0  | <b>0</b>  | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 20.0 | White  | White  |
| 115.0 | Tyre Pyrolysis Oil   | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0 | 0 | <b>0</b> | 75.0 | Orange |        |
| 116.0 | Chanachur and ladoo from puffed and beaten rice (muri and Shira) using husk fired oven | 20 | 0  | 15 | <b>35</b> | 25 | 0  | 15 | <b>40</b> | 0 | 0 | <b>0</b> | 50.5 | Green  | Orange |
| 117.0 | Coated electrode manufacturing   | 0  | 15 | 15 | <b>30</b> | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 38.8 | Green  | Orange |
| 118.0 | Almirah, Grill Manufacturing (Dry Mechanical Process )                                 | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green  | Orange |
| 119.0 | Heat treatment using oil fired furnace ( without cyaniding)                            | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 25 | <b>50</b> | 0 | 0 | <b>0</b> | 50.0 | Green  | Orange |

|       |  |   |    |    |    |    |    |    |    |    |    |    |      |       |        |
|-------|--|---|----|----|----|----|----|----|----|----|----|----|------|-------|--------|
| 120.0 | Recycling of plastic waste   |   |    |    |    |    |    |    |    |    |    |    |      |       |        |
| 120.1 | Plastic waste processing   | 0 | 15 | 20 | 35 | 0  | 20 | 0  | 20 | 0  | 0  | 0  | 41.5 | Green | Orange |
| 120.2 | PET bottle recycling for flakes/staple fibre   | 0 | 15 | 20 | 35 | 0  | 20 | 0  | 20 | 0  | 0  | 0  | 41.5 | Green | Orange |
| 121.0 | Stone crushers   | 0 | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0  | 0  | 0  | 30.0 | Green | Orange |
| 122.0 | Foam manufacturing   | 0 | 0  | 0  | 0  | 35 | 0  | 0  | 35 | 30 | 10 | 40 | 50.5 | Green | Orange |
| 123.0 | Aluminium utensils from aluminium circles pressing (dry mechanical operation)  | 0 | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0  | 0  | 0  | 30.0 | Green | Green  |
| 124.0 | Bi-axially oriented PP film along with metalizing operations   | 0 | 15 | 15 | 30 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 30.0 | Green | Green  |
| 125.0 | Briquette manufacturing  |   |    |    |    |    |    |    |    |    |    |    |      |       |        |
| 125.1 | Coal briquette   | 0 | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0  | 0  | 0  | 30.0 | Green |        |
| 125.2 | Coke briquetting (sun drying)  | 0 | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0  | 0  | 0  | 30.0 | Green | Green  |
| 125.3 | Biomass briquettes/pellets (sun drying)  | 0 | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0  | 0  | 0  | 25.0 | Green | Green  |
| 126.0 | Brass and bell metal utensils manufacturing from circles (dry mechanical operation)  | 0 | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0  | 0  | 0  | 30.0 | Green | Green  |
| 127.0 | Candy  | 0 | 0  | 0  | 0  | 25 | 0  | 25 | 50 | 0  | 0  | 0  | 50.0 | Green | Green  |
| 128.0 | Carpentry & wooden furniture manufacturing   |   |    |    |    |    |    |    |    |    |    |    |      |       | Green  |
| 128.1 | Carpentry & wooden furniture manufacturing with spray painting (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planner, steel saw cutting circular blade, etc. | 0 | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0  | 0  | 0  | 25.0 | Green |        |

|       |   |    |    |    |    |    |    |    |    |   |   |   |      |       |       |
|-------|---|----|----|----|----|----|----|----|----|---|---|---|------|-------|-------|
| 128.2 | Carpentry & wooden furniture manufacturing without spray painting (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planner, steel saw cutting circular blade, etc. | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0.0  | White |       |
| 129.0 | Precast cement products (without using asbestos/ boiler / steam curing) like pipe ,pillar, jafri, well ring, block/tiles etc.(should be done in closed covered shed to control fugitive emissions)              | 0  | 0  | 15 | 15 | 0  | 25 | 0  | 25 | 0 | 0 | 0 | 30.6 | Green | Green |
| 130.0 | Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)  | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0 | 0 | 0 | 25.0 | Green | Green |
| 131.0 | Chilling plant, cold storage and ice making   |    |    |    |    |    |    |    |    |   |   |   |      |       | Green |
| 131.1 | Chilling plant  | 20 | 15 | 15 | 50 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 50.0 | Green |       |
| 131.2 | Cold storage  | 0  | 15 | 15 | 30 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 30.0 | Green |       |
| 131.3 | Ice making  | 0  | 20 | 15 | 35 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 35.0 | Green |       |
| 132.0 | Pulse/Dal Mills   | 0  | 0  | 0  | 0  | 0  | 30 | 0  | 30 | 0 | 0 | 0 | 30.0 | Green | Green |
| 133.0 | Decoration of ceramic cups and plates by electric furnace   | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0 | 0 | 0 | 25.0 | Green | Green |
| 134.0 | Digital printing on PVC clothes   | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0 | 0 | 0 | 25.0 | Green | Green |
| 135.0 | Flour mills (dry process)   | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0 | 0 | 0 | 25.0 | Green | Green |
| 136.0 | Glue from starch (physical mixing) with gas/ electrically operated oven /boiler.  | 0  | 20 | 15 | 35 | 25 | 0  | 10 | 35 | 0 | 0 | 0 | 46.4 | Green | Green |

|       |   |    |    |    |           |    |    |    |           |   |   |          |      |       |       |
|-------|---|----|----|----|-----------|----|----|----|-----------|---|---|----------|------|-------|-------|
| 137.0 | Gold and silver smithy (purification with acid smelting operation and sulphuric acid polishing operation) (using less or equal to 1 litre of sulphuric acid/ nitric acid per month) | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 138.0 | Heat treatment with any of the new technology like ultrasound probe, induction hardening, ionization beam, gas carburizing etc.   | 0  | 15 | 15 | <b>30</b> | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 38.8 | Green | Green |
| 139.0 | Insulation and other coated papers (excluding paper or pipe manufacturing)  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 140.0 | Lubricating oil, greases or petroleum based products (only blending at normal temperature)  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 141.0 | Packaging materials manufacturing from non-asbestos fibre, vegetable fibre yarn   | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 142.0 | Phenyl/toilet cleaner formulation and bottling  | 10 | 0  | 15 | <b>25</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 32.5 | Green | Green |
| 143.0 | Polythene and plastic processed products manufacturing (virgin plastic)   | 0  | 15 | 15 | <b>30</b> | 0  | 20 | 0  | <b>20</b> | 0 | 0 | <b>0</b> | 37.0 | Green | Green |
| 144.0 | Poultry, Hatchery and Piggery   | 0  | 0  | 0  | <b>0</b>  | 30 | 20 | 0  | <b>50</b> | 0 | 0 | <b>0</b> | 50.0 | Green | Green |
| 145.0 | Power looms (without dye and bleaching)   | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 146.0 | Puffed rice (muri) (using gas)  | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 10 | <b>35</b> | 0 | 0 | <b>0</b> | 35.0 | Green | Green |
| 147.0 | Pulverization of bamboo and scrap wood  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |
| 148.0 | Ready mix cement concrete   | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 0 | 0 | <b>0</b> | 30.0 | Green | Green |
| 149.0 | Reprocessing of cotton  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green | Green |



|       |   |    |    |    |           |    |    |    |           |   |   |          |      |       |       |
|-------|---|----|----|----|-----------|----|----|----|-----------|---|---|----------|------|-------|-------|
| 150.0 | Saw mills   | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 0 | 0 | <b>0</b> | 30.0 | Green | Green |
| 151.0 | Soap manufacturing (hand made without steam boiling / boiler)       | 20 | 0  | 15 | <b>35</b> | 25 | 0  | 15 | <b>40</b> | 0 | 0 | <b>0</b> | 50.5 | Green | Green |
| 152.0 | Spice grinding  | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 0 | 0 | <b>0</b> | 30.0 | Green | Green |
| 153.0 | Steel furniture industry  |    |    |    |           |    |    |    |           |   |   |          |      |       | Green |
| 153.1 | Steel furniture with spray painting                                 | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0 | 0 | <b>0</b> | 25.0 | Green |       |
| 153.2 | Steel furniture without spray painting                              | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 0.0  | White |       |
| 154.0 | CO2 recovery plant  | 0  | 20 | 15 | <b>35</b> | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 35.0 | Green | Green |
| 155.0 | Distilled water (without boiler) with electricity as source of heat | 0  | 20 | 20 | <b>40</b> | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 40.0 | Green | Green |
| 156.0 | Manufacturing of optical lenses (using electrical furnace)          | 0  | 20 | 15 | <b>35</b> | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 35.0 | Green | Green |
| 157.0 | Mineralized water   | 0  | 20 | 15 | <b>35</b> | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 35.0 | Green | Green |
| 158.0 | Tamarind powder manufacturing                                       | 0  | 15 | 15 | <b>30</b> | 25 | 0  | 10 | <b>35</b> | 0 | 0 | <b>0</b> | 44.8 | Green | Green |
| 159.0 | Cutting, sizing and polishing of marble stone                       | 0  | 20 | 20 | <b>40</b> | 0  | 30 | 0  | <b>30</b> | 0 | 0 | <b>0</b> | 49.0 | Green | Green |
| 160.0 | Emery powder (fine dust of sand) manufacturing                      | 0  | 0  | 0  | <b>0</b>  | 0  | 30 | 0  | <b>30</b> | 0 | 0 | <b>0</b> | 30.0 | Green | Green |
| 161.0 | Seasoning of wood in steam heated chamber                           | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 25 | <b>50</b> | 0 | 0 | <b>0</b> | 50.0 | Green | Green |
| 162.0 | Tea processing and blending   |    |    |    |           |    |    |    |           |   |   |          |      |       | Green |
| 162.1 | Tea processing  | 0  | 0  | 0  | <b>0</b>  | 25 | 0  | 25 | <b>50</b> | 0 | 0 | <b>0</b> | 50.0 | Green |       |
| 162.2 | Blending and packing of tea   | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | 0  | <b>0</b>  | 0 | 0 | <b>0</b> | 0.0  | White | White |

|       |   |   |   |   |   |   |    |   |    |   |   |   |      |       |       |
|-------|---|---|---|---|---|---|----|---|----|---|---|---|------|-------|-------|
| 163.0 | Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)  | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 20.0 | White | Green |
| 164.0 | Leather foot wear and leather products (excluding tanning and hide processing)  | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 20.0 | White | Green |
| 165.0 | Assembly of air coolers /conditioners, repairing and servicing  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 166.0 | Assembly of bicycles ,baby carriages and other small non motorizing vehicles  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 167.0 | Bailing (hydraulic press)of waste papers  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 168.0 | Bio fertilizer and bio-pesticides without using inorganic chemicals   | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 20.0 | White | White |
| 169.0 | Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 170.0 | Block making of printing without foundry (excluding wooden block making)  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 171.0 | Chalk making from plaster of Paris ( only casting without boilers etc.(sun drying / electrical oven)  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 172.0 | Compressed oxygen gas from crude liquid oxygen (without use of any solvents and by maintaining pressure & temperature only for separation of other gases) | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 173.0 | Cotton and woollen hosiers making (Dry process only without any dyeing / washing operation)   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |

|       |  |   |   |   |   |   |    |   |    |   |   |   |      |       |       |
|-------|--|---|---|---|---|---|----|---|----|---|---|---|------|-------|-------|
| 174.0 | Diesel pump repairing and servicing (complete mechanical dry process)  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 175.0 | Electric lamp (bulb) and CFL manufacturing by assembling only  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 176.0 | Electrical and electronic item assembling (completely dry process)   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 177.0 | Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting) | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 178.0 | Flavoured betel nuts production/ grinding (completely dry mechanical operations)   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 179.0 | Fountain pen manufacturing by assembling only  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 180.0 | Glass and ampules and vials making from glass tubes  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 181.0 | Glass putty and sealant (by mixing with machine only)  | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 182.0 | Ground nut decorticating   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 183.0 | Handloom/ carpet weaving ( without dyeing and bleaching operation)   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 184.0 | Leather cutting and stitching (more than 10 machine and using motor)   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 185.0 | Manufacturing of metal caps containers etc   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |
| 186.0 | Manufacturing of shoe brush and wire brush   | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 20.0 | White | White |
| 187.0 | Medical oxygen   | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0.0  | White | White |

|   |  |   |   |   |   |    |   |    |   |   |   |   |      |       |       |
|---|--|---|---|---|---|----|---|----|---|---|---|---|------|-------|-------|
| 188.0                                       | Organic and inorganic nutrients ( by physical mixing)  | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 189.0                                       | Organic manure (manual mixing)   | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 0 | 20.0 | White | White |
| 190.0                                       | Packing of powdered milk   | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 191.0                                       | Paper pins and u clips   | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 192.0                                       | Repairing of electric motors and generators (dry mechanical process)                                   | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 193.0                                       | Rope (plastic and cotton)  | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 194.0                                       | Scientific and mathematical instrument manufacturing (assembling only)                                 | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 195.0                                       | Solar module non-conventional energy apparatus manufacturing unit                                      | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 196.0                                       | Solar power generation through solar photovoltaic cell and wind power                                  | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 197.0                                       | Surgical and medical products assembling only (not involving effluent / emission generating processes) | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 198.0                                       | Used Cooking oil (UCO) collection centers  | 0 | 0 | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0 | 0 | 0.0  | White | White |
| 199.0                                       | Household bio-digesters/gobar-gas (cow-dung) plants based on biodegradable wastes, etc.                | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 0 | 20.0 | White | White |
| <b>2. Non-industrial Operations</b>         |  |   |   |   |   |    |   |    |   |   |   |   |      |       |       |
| <b>A. Environment Management Facilities</b> |  |   |   |   |   |    |   |    |   |   |   |   |      |       |       |
| 1.0   | Common Effluent Treatment Plant (CETP)   |   |   |   |   |    |   |    |   |   |   |   |      |       | Red   |

|                                     |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|-------------------------------------|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 1.1                                 | Capacity $\geq$ 500 KLD                                     | 25 | 30 | 35 | <b>90</b> | 0  | 0  | 0  | <b>0</b>  | 50 | 40 | <b>90</b> | 94.5 | Red    |        |
| 1.2                                 | 100 KLD $\leq$ Capacity < 500 KLD                           | 25 | 30 | 30 | <b>85</b> | 0  | 0  | 0  | <b>0</b>  | 50 | 30 | <b>80</b> | 91.0 | Red    |        |
| 1.3                                 | 50 KLD $\leq$ Capacity < 100 KLD                            | 25 | 30 | 25 | <b>80</b> | 0  | 0  | 0  | <b>0</b>  | 50 | 20 | <b>70</b> | 87.0 | Red    |        |
| 1.4                                 | 10 KLD $\leq$ Capacity < 50 KLD                             | 25 | 30 | 20 | <b>75</b> | 0  | 0  | 0  | <b>0</b>  | 50 | 20 | <b>70</b> | 83.8 | Red    |        |
| 1.5                                 | Capacity <10 KLD  | 25 | 30 | 15 | <b>70</b> | 0  | 0  | 0  | <b>0</b>  | 50 | 10 | <b>60</b> | 79.0 | Orange |        |
| 2.0                                 | Sewage Treatment Plant                                      | 20 | 0  | 35 | <b>55</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 59.5 | Orange | Red    |
| 3.0                                 | Common Bio-medical Waste Treatment Facility (CBWTF)         |    |    |    |           |    |    |    |           |    |    |           |      |        | Red    |
| 3.1                                 | CBWTF   | 20 | 25 | 20 | <b>65</b> | 35 | 20 | 25 | <b>80</b> | 30 | 20 | <b>50</b> | 91.5 | Red    |        |
| 3.2                                 | CBWTF using cleaner/gaseous fuel                            | 20 | 25 | 20 | <b>65</b> | 35 | 20 | 10 | <b>65</b> | 30 | 20 | <b>50</b> | 85.1 | Red    |        |
| 4                                   | Construction and Demolition (C&D) Waste Processing Plants   | 0  | 0  | 0  | <b>0</b>  | 25 | 25 | 25 | <b>75</b> | 0  | 10 | <b>10</b> | 76.3 | Orange | Orange |
| <b>B. Infrastructure Facilities</b> |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
| 1.0                                 | Airports  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
| 1.1                                 | Airports with hangers/freight handling/repairing facilities | 20 | 25 | 35 | <b>80</b> | 25 | 0  | 25 | <b>50</b> | 40 | 10 | <b>50</b> | 90.0 | Red    | Red    |
| 1.2                                 | Airports without hangers/freight handling facilities        | 20 | 25 | 25 | <b>70</b> | 0  | 0  | 0  | <b>0</b>  | 0  | 0  | <b>0</b>  | 70.0 | Orange |        |
| 2.0                                 | Ports and harbours  |    |    |    |           |    |    |    |           |    |    |           |      |        | Red    |
| 2.1                                 | Ports and harbours, jetties and dredging operations         | 20 | 30 | 25 | <b>75</b> | 0  | 25 | 0  | <b>25</b> | 40 | 20 | <b>60</b> | 85.6 | Red    |        |
| 2.2                                 | Ports and harbours (only containers handling)               | 20 | 25 | 20 | <b>65</b> | 0  | 25 | 0  | <b>25</b> | 40 | 10 | <b>50</b> | 78.1 | Orange |        |

|                          |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
|--------------------------|---|----|----|----|----|----|----|----|----|----|----|----|------|--------|--------|
| 3.0                      | Railway stations  |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 3.1                      | Railway Stations (Waste water Generation $\geq$ 500 KLD)  | 20 | 0  | 35 | 55 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 55.0 | Orange |        |
| 3.2                      | Railway Stations (Waste water Generation $\geq$ 10 KLD, but $<$ 500 KLD)  | 20 | 0  | 20 | 40 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 40.0 | Green  |        |
| 4.0                      | Building construction projects  |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
| 4.1                      | Building construction project $\geq$ 20,000 sq. m. built-up area  | 20 | 0  | 35 | 55 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 55.0 | Orange | Orange |
| 4.2                      | Building construction project $\geq$ 5,000 sq. m., but $<$ 20,000 sq. m. built-up area (without connectivity to terminal STP) | 20 | 0  | 25 | 45 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 45.0 | Green  |        |
| 5.0                      | New highway construction project  | 0  | 0  | 0  | 0  | 20 | 25 | 0  | 45 | 0  | 0  | 0  | 45.0 | Green  | Orange |
| 6.0                      | Railway sidings   |    |    |    |    |    |    |    |    |    |    |    |      |        | Green  |
| 6.1                      | Railway sidings / Mineral stock yard  | 0  | 0  | 0  | 0  | 0  | 25 | 0  | 25 | 0  | 0  | 0  | 25.0 | Green  |        |
| 6.2                      | Railway sidings for defence purpose   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0.0  | White  |        |
| 7.0                      | Oil and gas transportation pipeline   | 0  | 0  | 0  | 0  | 25 | 0  | 10 | 35 | 0  | 0  | 0  | 35.0 | Green  | Green  |
| <b>C. Service Sector</b> |   |    |    |    |    |    |    |    |    |    |    |    |      |        |        |
| 1.0                      | Health Care Establishments (HCEs) (as defined under Bio-medical Waste Management Rules, 2016)                                 |    |    |    |    |    |    |    |    |    |    |    |      |        | Red    |
| 1.1                      | 200 & above bedded HCEs   | 20 | 25 | 30 | 75 | 0  | 0  | 0  | 0  | 40 | 10 | 50 | 81.3 | Red    |        |
| 1.2                      | 100 to 199 bedded HCEs  | 20 | 25 | 25 | 70 | 0  | 0  | 0  | 0  | 40 | 10 | 50 | 77.5 | Orange |        |
| 1.3                      | Up to 99 bedded HCEs  | 20 | 25 | 20 | 65 | 0  | 0  | 0  | 0  | 40 | 10 | 50 | 73.8 | Orange |        |

|     |   |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
|-----|---|----|----|----|-----------|----|----|----|-----------|----|----|-----------|------|--------|--------|
| 2.0 | Hotels  |    |    |    |           |    |    |    |           |    |    |           |      |        |        |
| 2.1 | Hotels (above 3 star) or hotels having 100 & above rooms  | 20 | 25 | 30 | <b>75</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 81.3 | Red    | Red    |
| 2.2 | Hotels (above 3 star) or hotels having 100 & above rooms (based on cleaner /gaseous fuel)                         | 20 | 25 | 30 | <b>75</b> | 25 | 0  | 10 | <b>35</b> | 0  | 0  | <b>0</b>  | 79.4 | Orange |        |
| 2.3 | Hotels (up to 3 star) or hotels having more than 20 rooms but less than 100 rooms.                                | 20 | 25 | 20 | <b>65</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 73.8 | Orange | Orange |
| 2.4 | Hotels (up to 3 star) or hotels having more than 20 rooms but less than 100 rooms (based on cleaner/gaseous fuel) | 20 | 25 | 20 | <b>65</b> | 25 | 0  | 10 | <b>35</b> | 0  | 0  | <b>0</b>  | 71.1 | Orange |        |
| 2.5 | Hotels up to 20 rooms   | 10 | 25 | 15 | <b>50</b> | 0  | 0  | 10 | <b>10</b> | 0  | 0  | <b>0</b>  | 52.5 | Green  | Green  |
| 3.0 | Railway locomotive work shop/<br>Integrated road transport workshop/<br>Authorized service centers                | 20 | 25 | 25 | <b>70</b> | 30 | 25 | 0  | <b>55</b> | 40 | 20 | <b>60</b> | 87.3 | Red    | Red    |
| 4.0 | Automobile service stations/ workshops  | 20 | 25 | 20 | <b>65</b> | 20 | 0  | 0  | <b>20</b> | 40 | 10 | <b>50</b> | 77.3 | Orange | Orange |
| 5.0 | Mechanized laundry (using oil fired boiler)   | 20 | 0  | 20 | <b>40</b> | 25 | 0  | 25 | <b>50</b> | 0  | 0  | <b>0</b>  | 60.0 | Orange | Orange |
| 6.0 | Gold Assaying & Hallmarking Centres   | 0  | 0  | 0  | <b>0</b>  | 35 | 0  | 0  | <b>35</b> | 50 | 10 | <b>60</b> | 67.0 | Orange | Orange |
| 7.0 | Facility of handling, storage and transportation of food grains in bulk   | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 25.0 | Green  | Green  |
| 8.0 | Flyash export or disposal operations  | 0  | 0  | 0  | <b>0</b>  | 0  | 25 | 0  | <b>25</b> | 0  | 0  | <b>0</b>  | 25.0 | Green  | Green  |
| 9.0 | Gaushalas   | 25 | 0  | 20 | <b>45</b> | 0  | 20 | 0  | <b>20</b> | 0  | 0  | <b>0</b>  | 50.5 | Green  | Green  |

| 3. Special Category Projects |   |  |  |  |  |  |  |  |  |  |  |  |  |        |       |   |  |
|------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--------|-------|---|--|
| 1.0                          | Nuclear power plants  |  |  |  |  |  |  |  |  |  |  |  |  | Red    | Red   | High potential to damage due to use of radio-active materials |  |
| 2.0                          | Hydel power plants  |  |  |  |  |  |  |  |  |  |  |  |  |        |       |   | High potential to damage river ecosystem |
| 2.1                          | Hydel power plants (Capacity > 25 MW)                                   |  |  |  |  |  |  |  |  |  |  |  |  | Red    | Red   |   |  |
| 2.2                          | Mini Hydel power plants (Capacity from more than 5 MVA and up to 25 MW) |  |  |  |  |  |  |  |  |  |  |  |  | Orange | White |   |  |
| 2.3                          | Mini Hydel power plants (Capacity ≤ 5 MW)                               |  |  |  |  |  |  |  |  |  |  |  |  | Green  | White |   |  |
| 3.0                          | River sand mining   |  |  |  |  |  |  |  |  |  |  |  |  |        |       |   | High potential to damage river ecosystem |
| 3.1                          | River sand mining (>25 hectare)   |  |  |  |  |  |  |  |  |  |  |  |  | Red    |       |   |  |
| 3.2                          | River sand mining (>5 to 25 hectare)                                    |  |  |  |  |  |  |  |  |  |  |  |  | Orange |       |   |  |
| 3.3                          | River sand mining (up to 5 hectare)                                     |  |  |  |  |  |  |  |  |  |  |  |  | Green  |       |   |  |

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