



**Contents of Register of Environmental Aspects**Table 1 - Office

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Table 2 - Use of Vehicles

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VS) Ventilation system / air conditioning system

WC) Water cooling tower

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DG) DI water generator

EG) Emergency electricity generator

L) Landscaping

GM) General Maintenance

Table 4 - Production Processes

MP) Moulding Process

DC) Die-Casting Process

SP) Secondary Processing

SV) Surface Vibration, Grinding and Polishing

PS) Painting Spraying

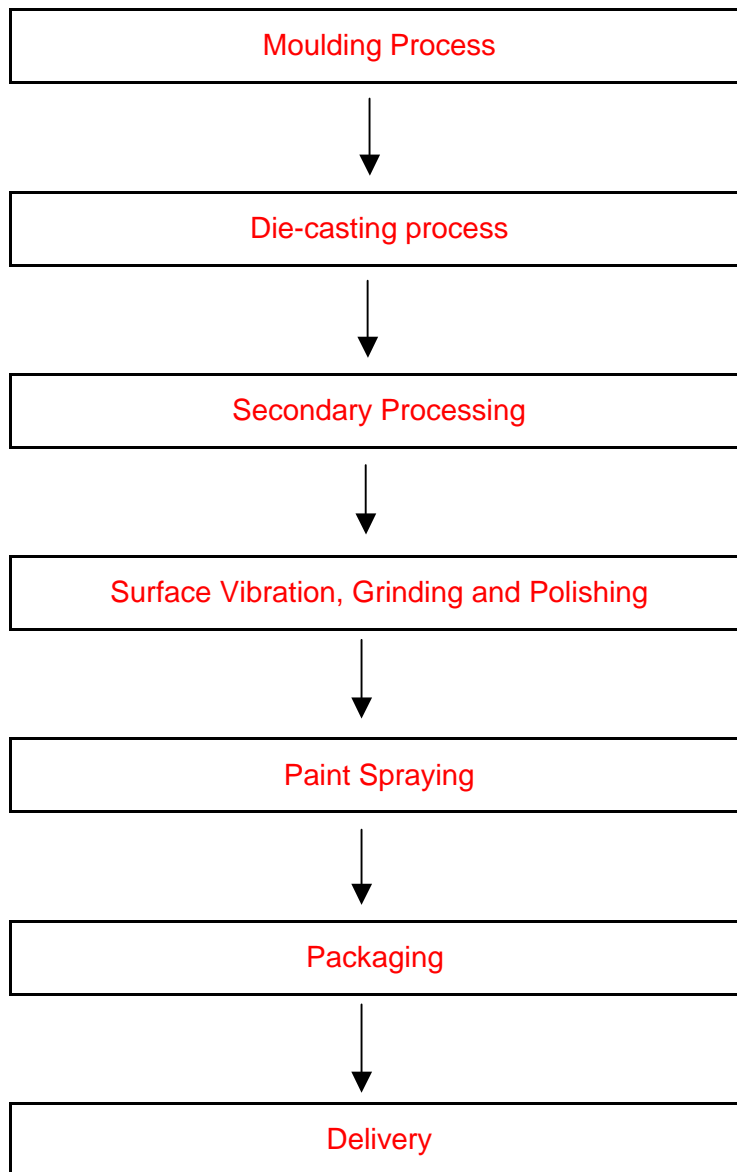
PP) Packaging

PD) Delivery

Note: The environmental aspect (EA) tables are presented in the order of office activities as the first item because:

- 1) this arrangement is a well-accepted and common practice for EMS professionals to prepare the EA register
- 2) the EAs for office activities are applicable to all staff, which is important for promoting staff awareness

However, the significant EAs (SEAs) for production processes would normally be the most important area to address relevant operational controls



| Ref   | Environmental Aspects   | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of significance |        |                                 |                            |                      |          | SEA | Operational Control / O&T Reference |
|---|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|--------|---------------------------------|----------------------------|----------------------|----------|-----|-------------------------------------|
|   |   | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal  | Relevant Legislation (HK)       | Relevant Legislation (PRC) | Environmental Impact | Quantity |     |                                     |
| <b>Office Activities (Hong Kong and Shenzhen)</b> |   |                                 |                  |              |                 |                   |                    |                            |        |                                 |                            |                      |          |     |                                     |
| OF-01   | Electricity consumption (for lighting, air conditioning, office equipment and other purposes) | x                               |                  |              |                 |                   |                    | 0                          |        |                                 | 0                          | 1                    | -        | Y   | EI-01, EI-08, O&T-2006-02           |
| OF-02   | Water consumption (for drinking, cleaning, flushing)  | x                               |                  |              |                 |                   |                    | 0                          |        |                                 | 0                          | 0                    | 0        | N   | EI-01, EI-08, O&T-2006-03           |
| OF-03   | Consumption of papers   | x                               |                  |              |                 |                   |                    | 0                          |        |                                 | 0                          | 1                    | -        | Y   | EI-01, EI-08, O&T-2006-04           |
| OF-04   | Consumption of stationery and office equipment  | x                               |                  |              |                 |                   |                    | 0                          |        |                                 | 0                          | 0                    | 0        | N   |                                     |
| OF-05   | Consumption of cartridges for printers, copies, fax machines                                  | x                               |                  |              |                 |                   |                    | 0                          |        |                                 | 0                          | 1                    | -        | Y   | EI-01                               |
| OF-06   | Use/release of CFC substances (e.g. refrigerants for air conditioning units)                  |                                 |                  | x            |                 |                   |                    | 1                          | H1, H2 | A6, A7, F1-F4, F9, F10, F12     | -                          | -                    | -        | Y   | EI-05, O&T-2006-01                  |
| OF-07   | Domestic wastewater discharge (from pantry, flushing) to foul sewers                          |                                 |                  |              | x               |                   |                    | 1                          |        | D1-D9, F1-F4, F9, F10, F12      | -                          | -                    | -        | Y   |                                     |
| OF-08   | Release of ozone from photocopiers and laser printers   |                                 |                  | x            |                 |                   |                    | 0                          |        |                                 | 0                          | 0                    | 0        | N   |                                     |
| OF-09   | Indoor air ventilation  |                                 |                  | x            |                 |                   |                    | 1                          | H5, H6 | A10                             | 0                          | 0                    | 0        | N   | EI-01                               |
| OF-10   | Noise from office equipment   |                                 |                  |              |                 | x                 |                    | 0                          |        |                                 | 0                          | 0                    | 0        | N   |                                     |
| OF-11   | Disposal of waste (general refuse)  |                                 | x                |              |                 |                   |                    | 1                          | H3, H4 | C1, C7, C8, F1-F4, F9, F10, F12 | -                          | -                    | -        | Y   | EI-04                               |
| OF-12   | Disposal of toner cartridges  |                                 | x                |              |                 |                   |                    | 1                          | H3     | C1, C7, C8, F1-F4, F9, F10, F12 | -                          | -                    | -        | Y   | EI-04                               |

| Ref            | Environmental Aspects   | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of significance |       |                           |                                 |                      | SEA | Operational Control / O&T Reference |          |                   |
|----------------|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---------------------------|---------------------------------|----------------------|-----|-------------------------------------|----------|-------------------|
|                |   | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation (HK) | Relevant Legislation (PRC)      | Environmental Impact |     |                                     | Quantity | Corporate Concern |
| OF-13          | Disposal of fluorescent lamp                                  |                                 | X                |              |                 |                   |                    |                            | 1     | H3                        | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -   | -                                   | Y        | EI-04             |
| OF-14          | Disposal of batteries   |                                 | X                |              |                 |                   |                    |                            | 1     | H3                        | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -   | -                                   | Y        | EI-04             |
| OF-15          | Disposal of recyclable waste (paper, plastic, aluminium cans) |                                 | X                |              |                 |                   |                    |                            | 1     | H3                        | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -   | -                                   | Y        | EI-04             |
| OF-16          | Potential fire  |                                 | X                | X            | X               | X                 | X                  |                            | 0     |                           |                                 | 1                    | -   | -                                   | Y        | EP-05             |
| <b>Canteen</b> |   |                                 |                  |              |                 |                   |                    |                            |       |                           |                                 |                      |     |                                     |          |                   |
| CC-01          | Use of beverages and food (Meat, Vegetables and Fruits)       | X                               |                  |              |                 |                   |                    |                            | 0     |                           |                                 | 0                    | 0   | 0                                   | N        |                   |
| CC-02          | Use of Oil and Seasonings                                     | X                               |                  |              |                 |                   |                    |                            | 0     |                           |                                 | 0                    | 0   | 0                                   | N        |                   |
| CC-03          | Use of water  | X                               |                  |              |                 |                   |                    |                            | 0     |                           |                                 | 0                    | 0   | 0                                   | N        |                   |
| CC-04          | Use of tableware (e.g. chopsticks, spoon)                     | X                               |                  |              |                 |                   |                    |                            | 0     |                           |                                 | 0                    | 0   | 0                                   | N        |                   |
| CC-05          | Use of detergents and sanitisers                              | X                               |                  |              |                 |                   |                    |                            | 1     |                           |                                 | -                    | -   | -                                   | Y        |                   |
| CC-06          | Use and release of refrigerant from refrigerators             |                                 |                  | X            |                 |                   |                    |                            | 1     |                           | A6, A7, F1-F4, F9, F10, F12     | -                    | -   | -                                   | Y        | EI-05             |
| CC-07          | Discharge of wastewater                                       |                                 |                  |              | X               |                   |                    |                            | 1     |                           | D1-D9, F1-F4, F9, F10, F12      | -                    | -   | -                                   | Y        | EI-06             |

| Ref  | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of significance |       |                           |                                 |                      |          | SEA | Operational Control / O&T Reference |                   |
|--|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---------------------------|---------------------------------|----------------------|----------|-----|-------------------------------------|-------------------|
|  |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation (HK) | Relevant Legislation (PRC)      | Environmental Impact | Quantity |     |                                     | Corporate Concern |
| CC-08  | Oily fumes emissions   |                                 |                  | X            |                 |                   |                    | X                          | 1     |                           | A11, A12, F1-F4, F9, F10, F12   | -                    | -        | -   | Y                                   | EI-05             |
| CC-09  | Disposal of general refuse                                     |                                 | X                |              |                 |                   |                    |                            | 1     | H3, H4                    | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -        | -   | Y                                   | EI-04             |
| CC-10  | Disposal of food waste   |                                 | X                |              |                 |                   |                    |                            | 1     | H3                        | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -        | -   | Y                                   | EI-04             |
| CC-11  | Disposal of oil / grease waste                                 |                                 | X                |              |                 |                   |                    |                            | 1     | H3                        | C1, C7, C8, F1-F4, F9, F10, F12 | -                    | -        | -   | Y                                   | EI-04             |
| <b>Evaluation of Suppliers and Contractors</b> |  |                                 |                  |              |                 |                   |                    |                            |       |                           |                                 |                      |          |     |                                     |                   |
| SC-01  | On-site installation/maintenance contractors                   | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G1                        | G1                              | 0                    | 0        | 1   | Y                                   | EI-02             |
| SC-02  | Chemical suppliers   | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G1                        | G1                              | 0                    | 0        | 1   | Y                                   | EI-02             |
| SC-03  | Material suppliers (packaging materials, food)                 | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G3                        | G3                              | 0                    | 0        | 1   | Y                                   | EI-02             |
| SC-04  | Equipment suppliers (electrical equipment, machinery)          | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G2                        | G2                              | 0                    | 0        | 1   | Y                                   | EI-02             |
| SC-05  | Pest control - use of pesticide / insecticide by subcontractor | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G1, H7                    | G1                              | 0                    | 0        | 1   | Y                                   | EI-02             |
| SC-06  | Waste collectors   | X                               | X                | X            | X               | X                 | X                  | X                          | 0     | G1                        | G1                              | 0                    | 0        | 1   | Y                                   | EI-02             |

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| Ref                    | Environmental Aspects   | Potential Environmental Impacts |                  |              |                 |                   |                    |               | Evaluation of Significance |                                   |             |          |                   | Operational Control / O&T Reference |              |
|------------------------|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|---------------|----------------------------|-----------------------------------|-------------|----------|-------------------|-------------------------------------|--------------|
|                        |   | Resources Utilisation           | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna | Legal                      | Relevant Legislation              | Env. Impact | Quantity | Corporate Concern |                                     | SEA          |
| <b>Use of Vehicles</b> |   |                                 |                  |              |                 |                   |                    |               |                            |                                   |             |          |                   |                                     |              |
| V-01                   | Fuel consumption by vehicle   | x                               |                  |              |                 |                   |                    |               | 0                          |                                   | 0           | 1        | -                 | Y                                   | EI-03, EI-08 |
| V-02                   | Type of fuel consumed (legal)   |                                 |                  | x            |                 |                   |                    |               | 1                          | A4, A14, F1-F4, F9, F10, F12      | -           | -        | -                 | Y                                   | EI-03        |
| V-03                   | Noise produced by vehicle   |                                 |                  |              |                 | x                 |                    |               | 1                          | B1, B5, F1-F4, F9, F10, F12       | -           | -        | -                 | Y                                   | EI-03        |
| V-04                   | Exhaust air emissions   |                                 |                  | x            |                 |                   |                    |               | 1                          | A3, A13, A14, F1-F4, F9, F10, F12 | -           | -        | -                 | Y                                   | EI-03        |
| V-05                   | Discharge of vehicle wash water   |                                 |                  |              | x               |                   |                    |               | 1                          | D1-D9, F1-F4, F9, F10, F12        | -           | -        | -                 | Y                                   | EI-03        |
| V-06                   | Venting of refrigerants from air conditioning unit of vehicles                                  |                                 |                  | x            |                 |                   |                    |               | 1                          | A6, A7, F1-F4, F9, F10, F12       | -           | -        | -                 | Y                                   | EI-03        |
| V-07                   | Vehicle maintenance : waste generation (old parts, contaminated wastes, lubricant oil disposal) |                                 | x                |              |                 |                   | x                  |               | 1                          | C1-C8, F1-F4, F9, F10, F12        | -           | -        | -                 | Y                                   | EI-03        |
| V-08                   | Traffic congestion  |                                 |                  | x            |                 |                   |                    |               | 0                          |                                   | 0           | 0        | 0                 | N                                   | EI-03        |
| V-09                   | Potential oil leakage   |                                 | x                | x            | x               |                   | x                  |               | 0                          |                                   | 1           | -        | -                 | Y                                   | EI-03        |
| V-10                   | Selection of maintenance and repair services provider   | x                               | x                | x            | x               | x                 | x                  | x             | 0                          |                                   | 0           | 0        | 1                 | Y                                   | EI-03        |

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| Ref  | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    |               | Evaluation of Significance                    |                      |             |          |                   | SEA                | Operational Control / O&T Reference |
|--|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|---------------|---|----------------------|-------------|----------|-------------------|--------------------|-------------------------------------|
|  |  | Resources Utilisation           | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna | Legal   | Relevant Legislation | Env. Impact | Quantity | Corporate Concern |                    |                                     |
| <b>1) Water pump room</b>                              |  |                                 |                  |              |                 |                   |                    |               |   |                      |             |          |                   |                    |                                     |
| WP-01  | Use of electricity for pumping water   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 | EI-08              |                                     |
| WP-02  | Noise from operating water pump  |                                 |                  |              | x               |                   |                    | 1             | B1-B5, F1-F4, F9, F10, F12                    | -                    | -           | -        | Y                 | EI-07              |                                     |
| WP-03  | Potential leakage of water pipes   |                                 |                  |              | x               |                   |                    | 0             |   | 1                    | -           | -        | Y                 | EP-05              |                                     |
| <b>2) Ventilation system / air conditioning system</b> |  |                                 |                  |              |                 |                   |                    |               |   |                      |             |          |                   |                    |                                     |
| VS-01  | Use of air filters   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 0           | 0        | N                 |                    |                                     |
| VS-02  | Use / Release of CFC Substances (e.g. refrigerants for air conditioning units) |                                 |                  | x            |                 |                   |                    | 1             | A6, A7, F1-F4, F9, F10, F12                   | -                    | -           | -        | Y                 | EI-05, O&T-2006-01 |                                     |
| VS-03  | Noise from ventilation system  |                                 |                  |              | x               |                   |                    | 0             |   | -                    | -           | -        | Y                 |                    |                                     |
| <b>3) Water Cooling Tower</b>                          |  |                                 |                  |              |                 |                   |                    |               |   |                      |             |          |                   |                    |                                     |
| WC-01  | Use of water   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 | EI-08              |                                     |
| WC-02  | Use of electricity   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 | EI-08              |                                     |
| <b>4) Air Scrubber</b>                                 |  |                                 |                  |              |                 |                   |                    |               |   |                      |             |          |                   |                    |                                     |
| AS-01  | Use of water   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 |                    |                                     |
| AS-02  | Use of electricity   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 | EI-08              |                                     |
| AS-03  | Use of alkali solution   | x                               |                  |              |                 |                   |                    | 0             |   | 0                    | 1           | -        | Y                 |                    |                                     |
| AS-04  | Emission of treated air  |                                 |                  | x            |                 |                   |                    | 1             | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -                    | -           | -        | Y                 | EI-05              |                                     |
| <b>5) DI water generator</b>                           |  |                                 |                  |              |                 |                   |                    |               |   |                      |             |          |                   |                    |                                     |

| Ref                                       | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             |          | SEA | Operational Control / O&T Reference |                   |
|---|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|----------|-----|-------------------------------------|-------------------|
|   |  | Resources Utilisation           | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact | Quantity |     |                                     | Corporate Concern |
| DG-01                                     | Use of chemicals (e.g. caustic soda, hydrochloric acid, ion exchange resins) | x                               |                  |              |                 |                   |                    |                            | 1     | E1-E4, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   |                   |
| DG-02                                     | Disposal of empty chemicals container  |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-04             |
| DG-03                                     | Wastewater discharge from regeneration                                       |                                 |                  |              | x               |                   |                    |                            | 1     | D1-D9, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-02, EI-06      |
| DG-04                                     | Potential spillage of chemicals (e.g. strong acid / alkaline)                |                                 |                  | x            | x               |                   | x                  |                            | 0     |   | 1           | -        | -   | Y                                   | EP-05, EI-09      |
| <b>6) Emergency electricity generator</b> |  |                                 |                  |              |                 |                   |                    |                            |       |   |             |          |     |                                     |                   |
| EG-01                                     | Use of fuel (diesel)   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0        | 0   | N                                   |                   |
| EG-02                                     | Potential fuel spillage  |                                 |                  | x            | x               |                   | x                  |                            | 0     |   | 1           | -        | -   | Y                                   | EP-05             |
| EG-03                                     | Air emission from operation  |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | 0           | 0        | 0   | Y                                   | EI-07             |
| EG-04                                     | Noise from operation   |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-05             |
| <b>7) Landscaping</b>                     |  |                                 |                  |              |                 |                   |                    |                            |       |   |             |          |     |                                     |                   |
| L-01                                      | Use of water   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 1        | -   | Y                                   | EI-08             |
| L-02                                      | Use of fertilizer  |                                 |                  |              |                 |                   | x                  | x                          | 0     |   | 1           | 0        | -   | Y                                   | EI-08             |

| Ref                           | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |                                 |                      |             |          | SEA | Operational Control / O&T Reference |
|-------------------------------|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|---------------------------------|----------------------|-------------|----------|-----|-------------------------------------|
|                               |  | Resources Utilisation           | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal                           | Relevant Legislation | Env. Impact | Quantity |     |                                     |
| <b>8) General Maintenance</b> |  |                                 |                  |              |                 |                   |                    |                            |                                 |                      |             |          |     |                                     |
| GM-01                         | Use of chemicals (e.g. paint , adhesives, lub oil, and organic solvent)  | x                               |                  |              |                 |                   |                    | 1                          | E1-E4, F1-F4, F9, F10, F12      | -                    | -           | -        | Y   |                                     |
| GM-02                         | Use of paint brushes   | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-03                         | Use of cable   | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-04                         | Use of water pipes   | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-05                         | Use of ventilation duct  | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-06                         | Use of spare parts   | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-07                         | Use of gloves  | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-08                         | Use of cleaning rags   | x                               |                  |              |                 |                   |                    | 0                          |                                 | 0                    | 0           | 0        | N   |                                     |
| GM-09                         | Use of fire extinguishers  | x                               |                  | x            |                 |                   |                    | 1                          | A5, A6, A7, F1-F4, F9, F10, F12 | -                    | -           | -        | Y   | EI-05                               |
| GM-10                         | Noise from maintenance operation   |                                 |                  |              |                 | x                 |                    | 1                          | B1-B5, F1-F4, F9, F10, F12      | -                    | -           | -        | Y   | EI-07                               |
| GM-11                         | Discharge of wastewater (facility / floor cleaning) to Shenzhen Industrial Estate's central wastewater treatment plant |                                 |                  |              | x               |                   |                    | 1                          | D1-D9, F1-F4, F9, F10, F12      | -                    | -           | -        | Y   | EI-06                               |
| GM-12                         | Disposal of spent lube oil, hydraulic oil, heat transfer oil and solvent   |                                 | x                |              |                 |                   |                    | 1                          | C1-C8, F1-F4, F9, F10, F12      | -                    | -           | -        | Y   | EI-02, EI-04                        |

| Ref   | Environmental Aspects             | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |                                     |             | SEA | Operational Control / O&T Reference |          |                   |
|-------|-----------------------------------|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|-------------------------------------|-------------|-----|-------------------------------------|----------|-------------------|
|       |                                   | Resources Utilisation           | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                | Env. Impact |     |                                     | Quantity | Corporate Concern |
| GM-13 | Disposal of spent rags and gloves |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8,<br>F1-F4,<br>F9, F10,<br>F12 | -           | -   | -                                   | Y        | EI-02, EI-04      |

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| Ref                     | Environmental Aspects                             | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             | SEA | Operational Control / O&T Reference |          |                    |
|-------------------------|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|-----|-------------------------------------|----------|--------------------|
|                         |   | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact |     |                                     | Quantity | Corporate Concern  |
| <b>Moulding Process</b> |   |                                 |                  |              |                 |                   |                    |                            |       |   |             |     |                                     |          |                    |
| MP-01                   | Use of electricity                                | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 1   | 0                                   | Y        | EI-08, O&T-2006-02 |
| MP-02                   | Use of water                                      | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 1   | 0                                   | Y        | EI-08, O&T-2006-03 |
| MP-03                   | Use of alloy (zinc and aluminium)                 | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                    |
| MP-04                   | Dust emission from grinding process               |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05              |
| MP-05                   | Heat emission from oven                           |                                 |                  | x            |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                    |
| MP-06                   | Exhaust air emissions from operation              |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05              |
| MP-07                   | Exhaust air emission from equipments using diesel |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05              |
| MP-08                   | Noise emission from operation                     |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-07              |

| Ref                        | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             |          | SEA | Operational Control / O&T Reference |                   |
|----------------------------|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|----------|-----|-------------------------------------|-------------------|
|                            |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact | Quantity |     |                                     | Corporate Concern |
| MP-09                      | Disposal of dust after grinding process  |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -        | -   | Y                                   | EI-04             |
| MP-10                      | Disposal of rejected parts (spent metal parts / plastic parts)                                 |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -        | -   | Y                                   | EI-04             |
| MP-11                      | Disposal of chemical waste (e.g. spent lube oil, spent emulsifier, diesel, used rags / gloves) |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-04             |
| MP-12                      | Generation of wastewater from grinding process   |                                 |                  |              | x               |                   |                    |                            | 1     | D1-D9, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-06             |
| MP-13                      | Leakage of chemicals during operation (e.g. diesel, lubricant oil)                             |                                 | x                | x            | x               |                   | x                  |                            | 0     |   | 1           | -        | -   | Y                                   | EP-05, EI-09      |
| <b>Die-Casting Process</b> |  |                                 |                  |              |                 |                   |                    |                            |       |   |             |          |     |                                     |                   |
| DC-01                      | Use of electricity   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 1        | 0   | Y                                   | EI-08             |
| DC-02                      | Use of water   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 1        | 0   | Y                                   | EI-08             |
| DC-03                      | VOC emission from paint / thinner application  |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-05             |

| Ref   | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             | SEA | Operational Control / O&T Reference |          |                   |
|-------|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|-----|-------------------------------------|----------|-------------------|
|       |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact |     |                                     | Quantity | Corporate Concern |
| DC-04 | Dust emission from grinding process                            |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05             |
| DC-05 | Exhaust air emissions from operation                           |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05             |
| DC-06 | Noise emission from operation                                  |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-07             |
| DC-07 | Noise emission from ventilation system                         |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-07             |
| DC-08 | Disposal of dust after grinding process                        |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -   | -                                   | Y        | EI-04             |
| DC-09 | Disposal of rejected parts (spent metal parts / plastic parts) |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -   | -                                   | Y        | EI-04             |

| Ref                         | Environmental Aspects   | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             | SEA | Operational Control / O&T Reference |          |                   |
|-----------------------------|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|-----|-------------------------------------|----------|-------------------|
|                             |   | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact |     |                                     | Quantity | Corporate Concern |
| DC-10                       | Disposal of chemical waste (e.g. spent lube oil, spent emulsifier, diesel, used rags / gloves / mask) |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-04             |
| DC-11                       | Generation of wastewater from grinding process  |                                 |                  |              | x               |                   |                    |                            | 1     | D1-D9, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-06             |
| <b>Secondary Processing</b> |   |                                 |                  |              |                 |                   |                    |                            |       |   |             |     |                                     |          |                   |
| SP-01                       | Respirable suspended particles emissions generated from operation                                     |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05             |
| SP-02                       | Noise emission from operation   |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-07             |
| SP-03                       | Disposal of zinc alloy cutting edges  |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -   | -                                   | Y        | EI-04             |
| SP-04                       | Disposal of contaminated zinc alloy cutting edges   |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-04             |

| Ref  | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    |               | Evaluation of Significance |   |             |          | SEA | Operational Control / O&T Reference |                   |
|--|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|---------------|----------------------------|---|-------------|----------|-----|-------------------------------------|-------------------|
|  |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna | Legal                      | Relevant Legislation                          | Env. Impact | Quantity |     |                                     | Corporate Concern |
| SP-05  | Disposal of grinding agents  |                                 | x                |              |                 |                   |                    |               | 1                          | C1, C7, C8, F1-F4, F9, F10, F12               | -           | -        | -   | Y                                   | EI-04             |
| SP-06  | Disposal of chemical waste (e.g. spent lube oil, spent emulsifier, diesel, used rags)                |                                 | x                |              |                 |                   |                    |               | 1                          | C1-C8, F1-F4, F9, F10, F12                    | -           | -        | -   | Y                                   | EI-04             |
| SP-07  | Leakage of chemicals during operation (e.g. paint, thinner, lubricant oil, jet oil, anti-rust agent) |                                 | x                | x            | x               |                   | x                  |               | 0                          |   | 1           | -        | -   | Y                                   | EP-05, EI-09      |
| <b>Surface Vibration, Grinding and Polishing</b> |  |                                 |                  |              |                 |                   |                    |               |                            |   |             |          |     |                                     |                   |
| SV-01  | Use of electricity   | x                               |                  |              |                 |                   |                    |               | 0                          |   | 0           | 1        | -   | Y                                   | EI-08             |
| SV-02  | Use of water   | x                               |                  |              |                 |                   |                    |               | 0                          |   | 0           | 1        | -   | Y                                   | EI-08             |
| SV-03  | Use of grinding / polishing agents   | x                               |                  |              |                 |                   |                    |               | 0                          |   | 0           | 0        | 0   | N                                   |                   |
| SV-04  | Dust emission from grinding process  |                                 |                  | x            |                 |                   |                    |               | 1                          | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-05             |
| SV-05  | Exhaust air emissions from operation   |                                 |                  | x            |                 |                   |                    |               | 1                          | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-05             |

| Ref                   | Environmental Aspects   | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |                                 |             | SEA | Operational Control / O&T Reference |          |                   |
|-----------------------|---|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---------------------------------|-------------|-----|-------------------------------------|----------|-------------------|
|                       |   | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation            | Env. Impact |     |                                     | Quantity | Corporate Concern |
| SV-06                 | Noise emission from operation   |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12      | -           | -   | -                                   | Y        | EI-07             |
| SV-07                 | Noise emission from ventilation system  |                                 |                  |              |                 | x                 |                    |                            | 1     | B1-B5, F1-F4, F9, F10, F12      | -           | -   | -                                   | Y        | EI-07             |
| SV-08                 | Disposal of dust after grinding process   |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-04             |
| SV-09                 | Disposal of rejected parts (spent metal parts / plastic parts)  |                                 | x                |              |                 |                   |                    |                            | 1     | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-04             |
| SV-10                 | Disposal of chemical waste (e.g. spent lube oil, spent grinding/polishing agent, diesel, used rags / gloves / mask) |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12      | -           | -   | -                                   | Y        | EI-04             |
| SV-11                 | Generation of rinsing wastewater (with chromium, chromic anhydride, sulphuric acid)                                 |                                 |                  |              | x               |                   |                    |                            | 1     | D1-D9, F1-F4, F9, F10, F12      | -           | -   | -                                   | Y        | EI-06             |
| <b>Paint Spraying</b> |   |                                 |                  |              |                 |                   |                    |                            |       |                                 |             |     |                                     |          |                   |
| PS-01                 | Use of paint / thinner / solvent  | x                               |                  |              |                 |                   |                    |                            | 0     |                                 | 0           | 0   | 0                                   | N        |                   |
| PS-02                 | Use of water  | x                               |                  |              |                 |                   |                    |                            | 0     |                                 | 0           | 1   | -                                   | Y        | EI-08             |

| Ref              | Environmental Aspects  | Potential Environmental Impacts |                  |              |                 |                   |                    | Evaluation of Significance |       |   |             | SEA | Operational Control / O&T Reference |          |                   |
|------------------|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|----------------------------|-------|---|-------------|-----|-------------------------------------|----------|-------------------|
|                  |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna              | Legal | Relevant Legislation                          | Env. Impact |     |                                     | Quantity | Corporate Concern |
| PS-03            | VOC emission from the use and storage of paint / thinner / solvent               |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05             |
| PS-04            | Exhaust air emissions (with VOC) from oven                                       |                                 |                  | x            |                 |                   |                    |                            | 1     | A1, A2, A8, A9, A12, A13, F1-F4, F9, F10, F12 | -           | -   | -                                   | Y        | EI-05             |
| PS-05            | Generation of wastewater from grinding process                                   |                                 |                  |              | x               |                   |                    |                            | 1     | D1-D9, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-06             |
| PS-06            | Disposal of chemical waste (e.g. empty containers for paint / thinner / solvent) |                                 | x                |              |                 |                   |                    |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EI-04             |
| PS-07            | Leakage of chemicals (e.g. paint, thinner, solvent)                              |                                 | x                | x            | x               |                   | x                  |                            | 1     | C1-C8, F1-F4, F9, F10, F12                    | -           | -   | -                                   | Y        | EP-05, EI-09      |
| <b>Packaging</b> |  |                                 |                  |              |                 |                   |                    |                            |       |   |             |     |                                     |          |                   |
| PP-01            | Use of paper boxes   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                   |
| PP-02            | Use of plastic tapes   | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                   |
| PP-03            | Use of blades  | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                   |
| PP-04            | Use of compressor  | x                               |                  |              |                 |                   |                    |                            | 0     |   | 0           | 0   | 0                                   | N        |                   |

| Ref             | Environmental Aspects                      | Potential Environmental Impacts |                  |              |                 |                   |                    |               | Evaluation of Significance |                                 |             |          | SEA | Operational Control / O&T Reference |                   |
|-----------------|--|---------------------------------|------------------|--------------|-----------------|-------------------|--------------------|---------------|----------------------------|---------------------------------|-------------|----------|-----|-------------------------------------|-------------------|
|                 |  | Resource Use                    | Waste Management | Air Emission | Water Pollution | Noise / Vibration | Land Contamination | Flora / Fauna | Legal                      | Relevant Legislation            | Env. Impact | Quantity |     |                                     | Corporate Concern |
| PP-05           | Use of compressor band                     | x                               |                  |              |                 |                   |                    |               | 0                          |                                 | 0           | 0        | 0   | N                                   |                   |
| PP-06           | Use of thin metal sheets                   | x                               |                  |              |                 |                   |                    |               | 0                          |                                 | 0           | 0        | 0   | N                                   |                   |
| PP-07           | Noise emission (from Workshop)             |                                 |                  |              |                 | x                 |                    |               | 1                          | B1-B5, F1-F4, F9, F10, F12      | -           | -        | -   | Y                                   | EI-07             |
| PP-08           | Disposal of old packing tubing             |                                 | x                |              |                 |                   |                    |               | 1                          | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-04             |
| PP-09           | Disposal of waste materials from packaging |                                 | x                |              |                 |                   |                    |               | 1                          | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-04             |
| <b>Delivery</b> |  |                                 |                  |              |                 |                   |                    |               |                            |                                 |             |          |     |                                     |                   |
| PD-01           | Use of paper boxes                         | x                               |                  |              |                 |                   |                    |               | 0                          |                                 | 0           | 0        | 0   | N                                   |                   |
| PD-02           | Use of vehicles                            | x                               |                  |              |                 |                   |                    |               | 0                          |                                 | 0           | 0        | 0   | N                                   |                   |
| PD-03           | Disposal of waste paper boxes              |                                 | x                |              |                 |                   |                    |               | 1                          | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-04             |
| PD-04           | Disposal of waste PVC materials            |                                 | x                |              |                 |                   |                    |               | 1                          | C1, C7, C8, F1-F4, F9, F10, F12 | -           | -        | -   | Y                                   | EI-04             |

Reviewed and Approved by : Yu Fung