

Name of Department: Highways Department

Contract No.: HY/2013/01

Monthly Summary Waste Flow Table for 2015



| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|-----------|--|--|---------------------------|-----------------------------|---|--------------------------|---|--|---|-------------------|--------------------------------|
| | a.Total Quantity Generated (see Note 8) | b. Hard Rock and Large Broken Concrete (see Note 9) | c. Reused in the Contract | d. Reused in Other Projects | e. Disposed as Public Fill (see Note 10) | f. Imported Fill | g. Metals (see Note 5) | h. Paper / Cardboard Packaging (see Note 5) | i. Plastics (see Note 3) (see Note 5) | j. Chemical Waste | k. Others, e.g. general refuse |
| | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000m ³) |
| January | 24.799 | 0.000 | 0.000 | 12.018 | 12.781 | 0.000 | 29.910 | 0.314 | 0.000 | 1.440 | 0.044 |
| February | 12.073 | 0.000 | 0.000 | 5.159 | 6.914 | 0.000 | 20.870 | 0.473 | 0.003 | 0.000 | 0.022 |
| March | 15.990 | 0.000 | 0.000 | 4.489 | 11.501 | 0.000 | 90.810 | 0.673 | 0.000 | 2.400 | 0.047 |
| April | | | | | | | | | | | |
| May | | | | | | | | | | | |
| June | | | | | | | | | | | |
| Sub-total | 52.862 | 0.000 | 0.000 | 21.666 | 31.196 | 0.000 | 141.590 | 1.460 | 0.003 | 3.840 | 0.113 |
| July | | | | | | | | | | | |
| August | | | | | | | | | | | |
| September | | | | | | | | | | | |
| October | | | | | | | | | | | |
| November | | | | | | | | | | | |
| December | | | | | | | | | | | |
| Total | 52.862 | 0.000 | 0.000 | 21.666 | 31.196 | 0.000 | 141.590 | 1.460 | 0.003 | 3.840 | 0.113 |

Total C&D waste generated = a+b+f+g+h+i+j+k

Total C&D waste generated (excluded excavated material) = g+h+i+j+k

Total C&D waste recycled = c+d+g+h+i

% of recycled C&D waste = (Total C&D waste generated - Total C&D waste recycled) / Total C&D waste generated



| Forecast of Total Quantities of C&D Materials to be Generated from the Contract* | | | | | | | | | | |
|---|---|----------------------------------|------------------------------------|--|-------------------------------|----------------------------------|---|--|--------------------------|---------------------------------------|
| a.Total Quantity Generated (see Note 8) | b. Hard Rock and Large Broken Concrete (see Note 9) | c. Reused in the Contract | d. Reused in Other Projects | e. Disposed as Public Fill (see Note 10) | f. Imported Fill | g. Metals (see Note 5) | h. Paper / Cardboard Packaging (see Note 5) | i. Plastics (see Note 3) (see Note 5) | j. Chemical Waste | k. Others, e.g. general refuse |
| (in '000m³) | (in '000m³) | (in '000m³) | (in '000m³) | (in '000m³) | (in '000m³) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000m³) |
| | | | | | | | | | | |

- Notes:
- (1) The performance target are given in PS Clause 6(14)
 - (2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site
 - (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
 - (4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m³.
 - (5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.
 - (6) Conversion factors for reporting purpose:
 in-situ: rock = 2.5 tonnes/m³; soil = 2.0 tonnes/m³
 excavated: rock = 2.0 tonnes/m³; soil = 1.8 tonnes/m³; broken concrete and bitumen = 2.4 tonnes/m³
 C&D Waste = 0.9 tonnes/m³; bentonite slurry = 2.8 tonnes/m³
 Diesel density: 0.8kg/l
 - (7) Numbers are rounded off to the nearest three decimal places
 - (8) The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"
 - (9) The "Hard Rock and Large Broken Concrete" were disposed as public fill
 - (10) The amount in "Disposed as Public Fill" included the "Hard Rock and Large Broken Concrete" disposed as public fill