

Section 1

Definitions

- 1.1.** In this document and in Bills of Quantities prepared according to the procedure set forth herein the following words and expressions have the meanings hereby assigned to them, except where the context otherwise requires.
- 1.2.** The word 'work' includes work to be carried out, goods, materials and services to be supplied, and the liabilities, obligations and risks to be undertaken by the contractor under the Contract.
- 1.3.** The contract administrator may be the employer, his agent or his representative.
- 1.4.** The expression 'expressly required' means shown on the Drawings, described in the Specification or instructed by the contract administrator pursuant to the Contract.
- 1.5.** 'Bill of Quantities' means a list of items giving brief identifying descriptions and estimated quantities of the work comprised in a contract.
- 1.6.** 'Daywork' means the method of valuing work on the basis of time spent by the operatives, the materials used and the plant employed.
- 1.7.** 'Work Classification' means the Work Classification set out in section 8.
- 1.8.** 'Original Surface' means the surface of the ground before any work has been carried out.
- 1.9.** 'Final Surface' means the surface indicated on the Drawings to which excavation is to be carried out.
- 1.10.** 'Commencing Surface' means, in relation to an item in a Bill of Quantities, the surface of the ground before any work covered by the item has been carried out. 'Commencing Surface' means, in relation to a group of items in a Bill of Quantities for work in different materials in an excavation or a bored, drilled or driven hole, the surface of the ground before any work covered by any item in the group has been carried out.
- 1.11.** 'Excavated Surface' means, in relation to an item in a Bill of Quantities, the surface to which excavation included in the work covered by the item is to be carried out. 'Excavated Surface' means, in relation to a group of items in a Bill of Quantities for excavation in different materials, the surface to which excavation included in the work covered by any item in the group is to be carried out.
- 1.12.** A dash between two dimensions means a range of dimensions which includes all dimensions exceeding that preceding the dash but not exceeding that following the dash.

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Work classification

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CLASS C: GEOTECHNICAL AND OTHER SPECIALIST PROCESSES

Includes: Geotechnical processes for altering the properties of soils and rocks

Other specialist processes as listed

Excludes: Compaction (included in class E)

Grouting carried out from within tunnels, shafts and other subterranean cavities (included in class T)

Grouting carried out from within sewers (included in class Y)

FIRST DIVISION	SECOND DIVISION	THIRD DIVISION
<p>1 Drilling for grout holes through material other than rock or artificial hard material</p> <p>2 Drilling for grout holes through rock or artificial hard material</p> <p>3 Driving injection pipes for grout holes</p>	<p>1 Vertically downwards</p> <p>2 Downwards at an angle 0–45° to the vertical</p> <p>3 Horizontally or downwards at an angle less than 45° to the horizontal</p> <p>4 Upwards at an angle 0–45° to the horizontal</p> <p>5 Upwards at an angle less than 45° to the vertical</p>	<p>1 In holes of depth:</p> <p>not exceeding 5 m m</p> <p>2 5–10 m m</p> <p>3 10–20 m m</p> <p>4 20–30 m m</p> <p>5 30–40 m m</p> <p>6 stated exceeding 40 m m</p>
4 Grout holes materials and injection	<p>1 Number of holes nr</p> <p>2 Number of stages nr</p> <p>3 Single water pressure tests nr</p> <p>4 Multiple water pressure tests nr</p> <p>5 Materials t</p>	<p>1 Cement</p> <p>2 Pulverized fuel ash</p> <p>3 Sand</p> <p>4 Pea gravel</p> <p>5 Bentonite</p> <p>6 Chemicals</p>
	6 Injection	<p>1 Number of injections nr</p> <p>2 Neat cement grout t</p> <p>3 Cement and stated filler grout t</p> <p>4 Chemical grout t</p> <p>5 Other stated grout t</p> <p>6 Single packer settings nr</p> <p>7 Double packer settings nr</p>
5 Diaphragm walls	<p>1 Excavation in material other than rock or artificial hard material m³</p> <p>2 Excavation in rock m³</p> <p>3 Excavation in artificial hard material m³</p>	<p>1 Maximum depth:</p> <p>not exceeding 5 m</p> <p>2 5–10 m</p> <p>3 10–15 m</p> <p>4 15–20 m</p> <p>5 20–25 m</p> <p>6 25–30 m</p> <p>7 stated exceeding 30 m</p>
	4 Concrete m ³	
	<p>5 Plain round steel bar reinforcement t</p> <p>6 Deformed high yield steel bar reinforcement t</p>	<p>1 Nominal size: 6 mm</p> <p>2 8 mm</p> <p>3 10 mm</p> <p>4 12 mm</p> <p>5 16 mm</p> <p>6 20 mm</p> <p>7 25 mm</p> <p>8 32 mm or greater</p>
	<p>7 Waterproofed joints sum</p> <p>8 Guide walls m</p>	

MEASUREMENT RULES	DEFINITION RULES	COVERAGE RULES	ADDITIONAL DESCRIPTION RULES
<p>M3 Columns and piers integral with a wall shall be measured as part of the wall, except where expressly required to be cast separately.</p> <p>M4 Beams integral with a slab shall be measured as part of the slab, except where expressly required to be cast separately.</p>	<p>D7 Prestressed concrete which is also reinforced shall be classed as <i>prestressed concrete</i>.</p> <p>D8 The thickness used for classification of <i>blinding</i> shall be the minimum thickness.</p> <p>D9 The thickness used for classification of <i>ground slabs, suspended slabs</i> and <i>walls</i> shall exclude the additional thickness of integral beams, columns, piers and other projections.</p> <p>D10 Concrete in <i>suspended slabs</i> and <i>walls</i> less than 1 m wide or long shall be classed as concrete in <i>beams</i> and <i>columns</i> respectively.</p> <p>D11 Beams shall be classed as <i>special beam sections</i> where their cross-section profiles are rectangular or approximately rectangular over less than 4/5 of their length or where they are of box or other composite section.</p> <p>D12 Sprayed concrete shall be designated as other concrete forms.</p> <p>D13 Reinforcing materials added to the mix for sprayed concrete shall not be classed as reinforcement.</p>		<p>A8 Item descriptions for <i>placing of concrete</i> which is expressly required to be placed against an excavated surface (other than <i>blinding</i>) shall so state.</p> <p>A9 The cross-sectional dimensions of <i>special beam sections</i> shall be stated in item descriptions, except where a beam type or mark number is stated for which dimensions are given on the Drawings.</p> <p>A10 Item descriptions for components classed as <i>other concrete forms</i> shall identify the work and include one of the following</p> <ul style="list-style-type: none"> (a) the principal dimensions (b) a type or mark number for which principal dimensions are given on the Drawings (c) a statement locating the work for which principal dimensions are given on the Drawings. <p>A11 Item descriptions for sprayed concrete support shall state the specification of the concrete and whether it is reinforced and the minimum thickness.</p>

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MEASUREMENT RULES	DEFINITION RULES	COVERAGE RULES	ADDITIONAL DESCRIPTION RULES
<p>M5 Driving extended piles shall be included in the measurement of the items for driven depth in class P.</p> <p>M10 Each group of items for <i>pile extensions</i> shall comprise</p> <p>(a) an item for the <i>number of pile extensions</i> (Q 6 4 *)</p> <p>(b) one or two items for the <i>length of pile extensions</i> divided into the ranges of length given in the second division (Q 6 5–6 *).</p> <p>M7 The <i>length of pile extensions</i> measured shall not include lengths formed from material arising from cutting off surplus lengths of other piles.</p> <p>M11 The lengths measured for <i>cutting off surplus lengths</i> of interlocking steel piles shall be the mean undeveloped horizontal lengths to be cut (including lengths occupied by special piles).</p>	<p>D5 The <i>section modulus</i> used for classification in the third division shall be the section modulus of the piles.</p>	<p>C5 Items for <i>pile extensions</i> shall be deemed to include the work necessary to attach the extension to the pile.</p>	<p>A6 Materials of which <i>pile extensions</i> are composed shall be stated in item descriptions for their <i>length</i>.</p>
<p>M12 <i>Obstructions</i> shall be measured only for breaking out rock or artificial hard material encountered above the founding stratum of bored piles.</p>			
			<p>A7 Item descriptions for <i>pile tests</i> shall identify those which are to preliminary piles.</p> <p>A8 Item descriptions for loading tests shall state the load. Where the load is applied to raking piles, item descriptions shall so state.</p>

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