

STANDARD METHOD OF MEASUREMENT FOR CIVIL ENGINEERING WORKS

1992 EDITION

CORRIGENDUM No. 1/2007

PART I

DEFINITIONS

- Para. 1, line 2 Amend the words "Hong Kong Government" to "The Government of the Hong Kong Special Administrative Region".
- Para. 1(b) Delete and replace by the following:
- "daywork" means the work ordered under a variation order and to be paid in accordance with Clause 62 of the General Conditions of Contract for Civil Engineering Works (1999 Edition);
- Para. 1(c), line 1 Amend the words "Provisional Item" to "provisional item".
- Para. 1(d), line 1 Amend the words "Preliminary Item" to "preliminary item".
- Para. 1(e), line 1 Amend the words "Existing ground surface" to "existing ground surface".
- Para. 1(f), line 1 Amend the words "Artificial hard material" to "artificial hard material".
- Para. 1(g) Delete and replace by the following:
- For and only for the purposes of section 2 (Ground Investigation) of the Method of Measurement, "rock" means naturally occurring material of Grade I to III as classified in Tables 2 and 4 of "Guide to Rock and Soil Descriptions – Geoguide 3". For sections other than section 2 (Ground Investigation) of the Method of Measurement, "rock" means naturally occurring hard material whose geological classification is Grade I to III and which necessitates the use of blasting or pneumatic tools or other similar quarrying methods for its removal;
- Para. 1(h), line 1 Amend the words "Soft spot" with "soft spot".

PART II

GENERAL PRINCIPLES

Para. 1 and 2

Delete and mark as "Not used".

Para. 3

Delete and replace by the following:

Each item description used in the Bills of Quantities is to be consistent with and be compounded from one or more of the descriptive features listed in the itemisation groups in the various sections of Part V, as many of these groups or features being used as may be necessary to identify the work required, but not more than one feature from any one group may be represented in any one item description.

PART III

RULES FOR PREPARING BILLS OF QUANTITIES

Para. 1

Delete and replace by the following:

1. The Bills of Quantities shall comprise the following :

- General and Particular Preambles
- Bill Number 1 : Preliminaries
- Bill Number 2 :
- :
- :
- Bill Number :
- Bill Number : Daywork
- Bill Number : Provisional and Prime Cost Sums
- Grand Summary

Para. 3

Delete and replace by the following:

3. The quantities shall be computed net from the Drawings, unless otherwise stated in the Contract, and no allowance shall be made for bulking, shrinkage or waste.

If it is intended that an item of work is to be paid as a lump sum, "item" shall be used as the unit of measurement for such an item of work. The symbol "-" shall be inserted against the rate and quantity columns in the bills for items of work for which the unit of measurement is "item". Notwithstanding the above, the amount inserted by the tenderer in the bill for an item of work for which the unit of measurement is "item" shall be deemed to be the rate inserted against such item of work in the bills within the Bills of Quantities.

Para. 4 and 5

Delete and mark as "Not used".

Para. 10

Delete and replace by the following:

10. Any methods of measurement which are not in accordance with or included in the Method of Measurement shall be stated in a Particular Preamble to the Bills of Quantities.

PART IV

PREAMBLES TO THE BILLS OF QUANTITIES

GENERAL PREAMBLES

Para. 1, line 3

Amend the words “Hong Kong Government” to “The Government of the Hong Kong Special Administrative Region”.

Para. 2

Delete and replace by the following:

2. Items shown in the bills of the Bills of Quantities are items of work. In these Bills of Quantities and the Method of Measurement, the headings, sub-headings, item descriptions and the matters listed against the relevant marginal headings “Item coverage” in Part V of the Method of Measurement and the Particular Preambles identify the work covered by the respective items, but such descriptions or identifications may not be exhaustive. The exact nature and extent of an item of work must be ascertained by reference to the Drawings, Specification and Conditions of Contract, as not all requirements may be stated in the item description or its item coverage. Furthermore, whilst the item description and item coverage may make specific reference to certain Drawings and/or Specification, the item of work described is deemed to include for all requirements shown on all Drawings and/or Specification pertaining to that item of work irrespective of whether or not the Drawing and/or Specification is stated in the item description or item coverage. The item description of an item of work shall be deemed to include an item coverage for the carrying out of all work and services necessary or desirable for the satisfactory completion of such item of work in accordance with the Contract.

The rate inserted against an item of work in the bills within the Bills of Quantities shall be deemed to be the full inclusive value of executing, completing, maintaining and/or supplying such item of work including any incidental work thereto, unless expressly stated otherwise elsewhere in the Bills of Quantities. The expression “incidental work” includes, but is not limited to, the carrying out of all work and services and complying with all obligations which are specified or reasonably implied in the Contract and which are related to, arise out of or are connected with the item of work as described in its headings, sub-headings, item description and item coverage. The rates inserted against the items of work in the bills within the Bills of Quantities shall include, but are not limited to, the following:

- (i) provision of labour and costs in connection therewith;
- (ii) provision of plant and costs in connection therewith;
- (iii) the supply, transportation, handling and storage of materials and goods;
- (iv) multiple handling of any kind;
- (v) sampling and testing and costs in connection therewith;
- (vi) assembling, fixing, erecting, installing or placing of materials and goods in position;
- (vii) preparation of surfaces and other preparatory work for follow-on activities;
- (viii) wastage, bulking, shrinkage and the disposal of surplus

- material;
- (ix) temporary protection and its subsequent removal;
 - (x) Temporary Works, including design;
 - (xi) taking precautions and measures as far as is reasonable and practical to prevent interference with or damage to existing structures and utilities, roads, footpaths and paved areas, watercourses and drainage systems, public and private vehicular and pedestrian accesses, trees, graves and burial urns, including the provision of alternative access, if necessary;
 - (xii) keeping the Works where necessary, and as near as may be practical, free of water and protected from damage due to water and from weather conditions which may adversely affect the Works, and taking measures to prevent flotation of new or existing structures;
 - (xiii) taking all measures required to execute the work as affected by non-tidal open water or tidal water;
 - (xiv) provision of working space and upholding the sides of excavations;
 - (xv) carrying out trial mixes, trial runs and all other trials, demonstrations and mock-ups;
 - (xvi) completion of formation and earthwork final surfaces;
 - (xvii) recording, taking readings, measurements and observations, and submitting to the Engineer all drawings, details of procedures and methods of construction to be used, technical literature, test certificates and any other documents or information required to be submitted under the Contract;
 - (xviii) in the case of materials supplied by the Employer, return of the surplus;
 - (xix) in the case of plant and equipment supplied by the Employer, protection, maintenance and repair of such plant and equipment while it is on the Site, costs in connection with operating such plant and equipment, and return of plant and equipment to the Employer or replacement of such plant and equipment if it is damaged beyond repair or lost;
 - (xx) notifying, making arrangements and liaising with all relevant Government Departments, authorities or other interested parties to obtain and maintain all licences and permits necessary for the execution of the Works, and costs in connection therewith including the costs of complying with the terms and conditions of the licences and permits;
 - (xxi) liabilities, obligations and risks involved in the execution of the Works set forth or reasonably implied in the Contract;
 - (xxii) establishment charges, overheads and profit.

Para. 9 Delete and mark as "Not used".

Para. 10 For the whole paragraph, amend the words "1990 Edition" to "1999 Edition".

Para. 11, line 1 Amend the words "Unless otherwise specifically provided for as separate items in the Bills of Quantities" to "Except for those tests provided for as separate items of work in the bills within the Bills of Quantities".

Para. 12

Add the following as paragraph 12 of Part IV:

***Discrepancy
between the units
of measurement
given in the
Method of
Measurement and
the bills***

12. Where there is discrepancy between the unit in the Method of Measurement and the unit for an item of work in the bills within the Bills of Quantities, the unit in the bill shall prevail, unless, by reference to the quantity in the bills and the nature of the item of work as identified by the Specification, Drawings, measurement rules, item description and item coverage in the Method of Measurement, the Engineer determines otherwise.

**Standards Unit
Civil Engineering and Development Department
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