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Transport Infrastructure Ireland

TII Publications

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Introduction to the Guidance on Measuring and Pricing

CC-GMP-00010

October 2016

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1. Contents of the Guidance for Measuring and Pricing

CC-GMP-00100	Guidance for Measuring and Pricing Preliminaries Privately and Publicly Owned Services and Supplies Maintenance of Roadways Contraflows (Traffic Safety and Management) Temporary Diversion for Traffic Damage to the Roadway Attendances on Specialists
CC-GMP-00200	Guidance for Measuring and Pricing of Site Clearance Obstructions Above Ground Level General Site Clearance Take Up or Down Damage to Items
CC-GMP-00300	Guidance for Measuring and Pricing of Fencing and Environmental Noise Barriers Temporary Fencing Concrete Foundations or Longer Posts
CC-GMP-00400	Guidance for Measuring and Pricing of Road Restraints Systems (Vehicle and Pedestrian) Safety Barriers Vehicle Parapets Pedestrian Guardrails and Handrails Materials for Standard Parapets
CC-GMP-00500	Guidance for Measuring and Pricing of Drainage and Service Ducts Tabulated Billing Drainage and Service Ducts in Structures Alternative Types of Pavement
CC-GMP-00600	Guidance for Measuring and Pricing of Earthworks General Processing Materials Compaction and Deposition of Fill Geological Terms Alternative Types of Pavement Capping

Hard Material
Crib Walling, Reinforced Earth Structures and Anchored Earth Structures
Typical Earthworks Schedules
Ground Water Lowering
Trial Pits
Perforation of Redundant Slabs, Basements and the Like
Geotextiles
Stated Class of Imported Material
Imported Topsoil and Topsoiling
Processing of Unacceptable Material Class U1
Soil Improvement

CC-GMP-00700 **Guidance for Measuring and Pricing of Pavements**

Joints
Alternative Types of Pavements
Bond Coats
Repairs to Existing Concrete Carriageways
Regulating
Lower Base and Upper Base
Low Energy Bound Mixtures
Geotextiles and Geotextile-related products
Repair Systems

CC-GMP-01100 **Guidance for Measuring and Pricing of Kerbs, Footways and Paved Areas**

Steps

CC-GMP-01400 **Guidance for Measuring and Pricing of Electrical Work for Road Lighting and Traffic Signs**

Location of Cables
Earth Electrodes

CC-GMP-01500 **Guidance for Measuring and Pricing of Motorway Communications**

TV Monitoring to Motorways, Other Roads and Temporary Diversions for Traffic
Location of Cables
Application to Non-Motorway Schemes

CC-GMP-01600 **Guidance for Measuring and Pricing of Piling and Embedded Retaining Walls**

Casings and Linings
Steel Bearing Piles
Embedded Retaining Walls

Instrumentation for Piles and Embedded Retaining Walls
Propping and Anchorages for Embedded Retaining Walls
King Post Walls

CC-GMP-01700 Guidance for Measuring and Pricing of Structural Concrete

Curved Formwork
Finishes to Concrete
Underbridges and Footbridges

CC-GMP-01800 Guidance for Measuring and Pricing of Structural Steelwork

Miscellaneous
Surface Preparation

CC-GMP-02000 Guidance for Measuring and Pricing of Waterproofing for Structures

Additional Protective Layers

CC-GMP-02400 Guidance for Measuring and Pricing of Brickwork, Blockwork and Stonework

General

CC-GMP-02500 Guidance for Measuring and Pricing of Special Structures

Designated Outlines
Foundations
Alterations
Detailing of Designed Outlines
Environmental Barriers
Drains Exceeding 900mm Internal Diameter, Box culverts and Piped Culverts

CC-GMP-02700 Guidance for Measuring and Pricing of Accommodation Works and Works for Statutory Undertakers

General

2. Item Coverage

Item coverages in the Requirements for Measuring and Pricing (RMP) in TII Publications (Standards) ensure that the Contractor knows the items of work to be covered by the rates and prices he inserts against the appropriate items in the Bill of Quantities. However, coverages relative to the base item description are not normally included, for example cement in concrete, nor are those contingently and indispensably necessary to enable the work item to be completed satisfactorily, for example nuts and bolts in safety barrier systems. Similarly general obligations are not separately covered, for example obligations set out in the Conditions or covered in the Preambles to Bill of Quantities. The basic item coverages closely match the Specification for Works (SPW) and the Standard Construction Details (SCD) in TII Publications (Standards). Hence if changes are introduced into the Specification the item coverages have to be reviewed to ensure that they accurately relate to the revised Specification. Changes to the Specification should not be introduced on the drawings in the Contract although revised drawings may reflect revisions to the Specification in which case reference to the drawings should be incorporated in the Specification. Conversely item coverages should not be extended to include items of work which are not specified or not shown in the SCDs.

Item coverages often refer to item coverages set out in one or more other documents. The complete item coverage therefore embodies all such references despite those references appearing to be unconnected with the original item in some cases.

3. Extra Over Items

Extra Over (EO) items shown in the RMP are applied to a base item where a significant additional burden is placed upon the Contractor to undertake extra work of much the same nature as the work covered by the base item. The quantities to be billed for the EO items must be in respect of work included with the quantities for the base item. Consequently the item coverage in respect of the quantities for the EO item comprises a summation of that for the base item and the EO item.

4. Remove From Store and Re-erect/Re-install/Relay

The items for remove from store and re-erect, reinstall, relay include items which have been removed to store off Site designated by the Employer's Representative and items which have been set aside by the Contractor as required by the Contract.

5. Hard Material

Excavation in Hard Material occurs in the item coverage for several items of work, for example, fencing, safety fencing, traffic signs and road markings, road lighting and electrical work. The Contract should contain information known to the compiler about the existence and extent of Hard Material and this should include existing buried roads and the like. This would not relieve the Contractor of his obligations under the Conditions. Hard Materials is measured extra over normal excavation for earthworks and drainage and guidance is given under CC-GMP-00600.

6. Testing

Table NG 1/1 lists tests and the frequencies with which they should normally be undertaken. The compiler has to decide which of those tests are to be undertaken by the Contractor and those for which the Contractor is to provide samples for the Employer's Representative to carry out tests. Those tests to be undertaken by the Contractor have to be scheduled in Appendix 1/5 of the Specification. The Contractor will then be deemed to have included the value of those tests in his rates and prices. Testing is covered by Preamble 2(vii) to the Bill of Quantities and no items should be included in the Bill of Quantities for testing. Where additional types or numbers of tests are ordered by the Employer's Representative they should be paid for under the provisions contained within the Conditions of Contract except where they relate to tests applicable to goods or materials put forward by the Contractor when reasonable tests should be called for at the Contractor's expense to ensure conformity with the Specification (see CC-SPW-00100).

The provision and delivery of samples to be tested by the Employer's Representative is covered in CC-RMP-00010.

7. Modification and New Materials

The item coverage applicable to removing from store and re-erecting/re-installing/relaying various materials includes for modification and new materials to the extent that the requirements are detailed in the Contract. Modification and new materials of which the Contractor was not informed at the time of tender are not covered by this item coverage.

8. References

CC-GMP-00600 - Guidance for Measuring and Pricing of Earthworks

CC-RMP-00010 - Introduction to the Requirements for Measuring and Pricing

CC-RMP-00600 - Requirements for Measuring and Pricing of Earthworks

CC-SPW-00100 - Specification for Works Series 100 - Preliminaries



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