



OCSC

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MULTIDISCIPLINARY CONSULTING ENGINEERS

**I454: ESB ENABLING WORKS DELIVERY AT IDA DUNDALK SCIENCE
AND TECHNOLOGY PARK**

VOLUME C – PRICING DOCUMENT

For
IDA Ireland

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PREAMBLES



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



Introduction to the Requirements for Measuring and Pricing

CC-RMP-00010

April 2022

About TII

Transport Infrastructure Ireland (TII) is responsible for managing and improving the country's national road and light rail networks.

About TII Publications

TII maintains an online suite of technical publications, which is managed through the TII Publications website. The contents of TII Publications is clearly split into 'Standards' and 'Technical' documentation. All documentation for implementation on TII schemes is collectively referred to as TII Publications (Standards), and all other documentation within the system is collectively referred to as TII Publications (Technical).

Document Attributes

Each document within TII Publications has a range of attributes associated with it, which allows for efficient access and retrieval of the document from the website. These attributes are also contained on the inside cover of each current document, for reference.

TII Publication Title	<i>Introduction to the Requirements for Measuring and Pricing</i>
TII Publication Number	<i>CC-RMP-00010</i>

Activity	<i>Construction & Commissioning (CC)</i>		Document Set	<i>Standards</i>
Stream	<i>Requirements for Measuring and Pricing (RMP)</i>		Publication Date	<i>April 2022</i>
Document Number	<i>00010</i>		Historical Reference	-

TII Publications Website

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TII Authorisation and Contact Details

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TII Publications



Activity:	Construction & Commissioning (CC)
Stream:	Requirements for Measuring and Pricing (RMP)
TII Publication Title:	Introduction to the Requirements for Measuring and Pricing
TII Publication Number:	CC-RMP-00010
Publication Date:	April 2022
Set:	Standards

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Updates to TII Publications resulting in changes to
Introduction to the Introduction to the Requirements for Measuring and Pricing CC-RMP-
00010

Date: April 2022

Page No: 22

Section No: 2

Amendment Details:

Preambles to Bill of Quantities, General Directions, Section 2 - new sentence included in item (vii) that the provision of insurances and bonds are deemed to be general obligations.

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Preambles to Bill of Quantities

General Directions

- 1 The Requirements for Measuring and Pricing (RMP) in TII Publications (Standards) is published as a collective group of documents under the Construction and Commissioning activity within the TII Publications system. The Bill of Quantities has been prepared in accordance with the RMP.
- 2 In the Bill of Quantities the sub-headings and item descriptions identify the work covered by the respective items, read in conjunction with the matters listed against the relevant marginal headings “Item Coverage” in the different parts of the RMP, these Preambles and the amendments to the RMP immediately following these Preambles. The nature and extent of the work is to be ascertained by reference to the Works Requirements and Contract Conditions. The rates and prices entered in the Bill of Quantities shall be deemed to be the full inclusive value of the work covered by the several items including the following, unless expressly stated otherwise.
 - (i) Labour and costs in connection therewith.
 - (ii) The supply of materials, goods, storage and costs in connection therewith including delivery to Site. Taking delivery of materials and goods supplied by others, unloading, storage, and costs in connection therewith.
 - (iii) Plant and costs in connection therewith.
 - (iv) Fixing, erecting and installing or placing of materials and goods in position.
 - (v) Temporary Works.
 - (vi) The effect on the phasing of the Works or any element of the Works to the extent set forth or reasonably implied in the documents on which the tender is based.
 - (vii) General obligations, liabilities and risks involved in the execution of the Works set forth or reasonably implied in the documents on which the tender is based (The provision of insurances and bonds are deemed to be general obligations).
 - (viii) Establishment charges, overheads and profit.
 - (ix) Waste.
 - (x) Attendance and transport for sampling and testing carried out by the Employer’s Representative, tests carried out by the Contractor in accordance with the particular requirements of Appendix 1/5, supplying results of tests carried out by the Contractor and providing test certificates.
 - (xi) Supply and delivery of samples to the Employers Representative in accordance with the particular requirements of Appendix 1/6.
 - (xii) Complying with Quality Assurance schemes and providing certificates of conformity.
 - (xiii) Preparation and supply of detailed working drawings.
 - (xiv) Awaiting approvals and or consents;
 - (xv) Complying with all Legal Requirements and ensure that the Contractor’s Personnel comply with all Legal Requirements, including but not limited to those environmental, archaeological and health and safety requirements as set out in the Works Requirements and Contract Conditions.

Measurement	3	(i) The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP. (ii) Where the tender documents provide for the Contractor to select the type of buried structure (where the structure is not within Designated Outlines) to be constructed then the measurement of all work in each area so affected shall be based upon the thinnest pavement construction and surfacing over structures permitted by the Contract in that area for the particular type of buried structure the Contractor has elected to construct.
Pricing of Items	4	(i) Each individual item shall have a rate or price entered against it. Rates and prices shall be expressed to two decimal places Reserved Sums and Contract Sums for Specialists will be provided by the Contracting Authority. Prices entered for attendances and management of specialist works will remain as tendered, even after the Reserved Sums are replaced with actual sums following tendering of the specialist works. These prices may not be less than zero.
Alternative Specified Materials, Designs and Options Within Types of Pavement	5	Not used
Privately and Publicly owned Services or Supplies	6	The information in the Contract as to the whereabouts of existing services and mains is believed to be correct but the Contractor shall not be relieved thereby of his obligations under the Contract. The Contractor shall include in his rates and prices for locating and taking measures for the support and full protection of pipes, cables and other apparatus during the progress of the Works, obtaining the written consent of the appropriate authority to interrupt the service or supply and for keeping the Employer's Representative informed of all arrangements he makes with the owners of privately owned services or supplies, Statutory Undertakers and Public Authorities as appropriate.
Labours	7	Not used
Roadworks Overall Requirements	8	The Contractor shall allow in his rates and prices for complying with requirements in respect of pavement construction, horizontal alignments, surface levels and surface regularity of pavement courses, cold weather working, use of surfaces by traffic and construction plant, and general requirements for sub-bases and bases.
Work within and below any water condition	9	The Contractor shall allow in his prices for any items of structures designed by the Contractor provided under CC-RMP-02500, for taking measures required to execute work in any condition where there is a presence of any type of water.
Dealing with Flow	10	The Contractor shall allow in his rates and prices for taking measures to deal with the existing flow of water, sewage and the like.
	11	Not used

Site Limitations and Constraints	12	The Contractor shall allow in his rates and prices for complying with any limitations and constraints on the use of the Site.
Hard Material	13	For the purposes of the Contract the following are designated as Hard Material in accordance with Section 2 Definitions, paragraph 1(h)(i) and (ii): (a)* strata; (b) those deposits designated by limits shown on the Drawings. (c) existing pavements, footways, paved areas (but excluding unbound materials) and foundations in masses in excess of 0.20 cubic metres.
Equivalent Products and Materials	14	(i) Where the Contractor offers an equivalent product or material in place of the one identified or specified, which is accepted for incorporation into the Works by the Employer's Representative, then the rates and prices in the Bill of Quantities shall be deemed to include for all the obligations and costs associated with the incorporation of the equivalent into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works. (ii) Unless specifically stated to the contrary in the Contract the measurement of the Works affected by the incorporation of the equivalent products and materials shall be based on the Tender documents and not on the Works as amended and completed to incorporate the equivalent products and materials.
Permanent Works Designed by the Contractor	15	Where the Contract requires part(s) of the Works to be designed by the Contractor, the rates and prices in the Bill of Quantities shall include for all the obligations and costs associated with the incorporation of the Contractor's design into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works.
Structures Designed by the Contractor	16	Earthworks within the Designated Outlines shall not be included by the Employer in the earthworks schedules.
Alterations for Road Authorities	17	Not Used
†Amendments to the Requirements for Measuring and Pricing	18	Amendments to the Requirements for Measuring and Pricing are not advisable and in any case are only acceptable under an Approved Departure from TII, as noted under Section 3 General Principles.

[Notes to compiler:

The Preambles to Bill of Quantities (duly completed) must be reproduced unaltered and bound in the Bill of Quantities.

*To be completed by compiler as appropriate.

† Where an Approved Departure has been obtained from TII to amend any part of the RMP in accordance with Section 3 General Principles of CC-RMP-00010 – Introduction to the Requirements for Measuring and Pricing this preamble should be the last numbered preamble and inserted immediately prior to the amendments.]

5. References

Refer to Chapter 1.



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PRICING DOCUMENT

Part 1 - Preliminaries

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 100 - Preliminaries</u>				
	<u>Temporary Accommodation</u>				
A	Erection of stores and workshops for the Contractor	1.00	item		
B	Erection of offices and messes for the Contractor	1.00	item		
C	Servicing of stores and workshops for the Contractor	1.00	item		
D	Servicing of offices and messes for the Contractor	1.00	item		
E	Dismantling of stores and workshops for the contractor	1.00	item		
F	Dismantling of offices and messes for the Contractor	1.00	item		
	<u>Traffic Safety and Management</u>				
G	Traffic safety and management	1.00	item		
H	Taking measures for or construction, maintenance, removal of contraflow arrangements in accordance with Appendix 1/17	1.00	item		
I	Removing from store and installing temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
J	Taking up or down and removing from site temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
	<u>Progress Photographs</u>				
K	Set of progress photographs taken monthly for the duration of the works, at project start and at project completion, to be provided in digital format to Employers Representative within five working days after being carried out on the first working day of each month, in accordance with Appendix 1/22 of the Works Requirements	20.00	nr		
	<u>Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors</u>				
L	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Louth County Council	1.00	item		
M	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, ESB	1.00	item		
N	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Network Gas	1.00	item		
O	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Irish Water	1.00	item		
P	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Eir	1.00	item		
Q	Facilities for all other Local Authority, Public or Private Utility Undertakers and other Contractors not listed	1.00	item		
I454.C	Page: 1 / 1 To Collection				0.00

Part 1 - Preliminaries

Ref	Description	Qty	Unit	Rate	Amount
	<u>Property Condition Surveys</u>				
A	Property condition surveys at locations indicated by red boundary line in accordance with drawings I454-OCSC-EW-XX-DR-C-0500 and Appendix 1/7	1.00	item		
	<u>Project Supervisor for the Construction Stage</u>				
B	Acceptance of the appointment as Project Supervisor for the Construction Stage	1.00	item		
	<u>Safety File</u>				
C	Safety File	1.00	item		
	<u>As Built Records</u>				
D	As Built Records	1.00	item		
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Part 1 - Preliminaries

	Description	Amount
	Series 100 - Preliminaries	0.00
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Part 2 - Roadworks General

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 200 Site Clearance</u>	0.25	ha		
	<u>Site Clearance</u>				
	General site clearance				
I454.C		Page: 2 / 1 To Collection			0.00

Part 2 - Roadworks General

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u>				
	<u>Drains, Sewers, Piped Culverts and Service Ducts</u> <u>(Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	4 Way ducting 2 x 160mm and 2 x 125mm internal diameter service duct (ESB), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type B.	565.00	m		
	<u>Chambers and Gullies</u>				
B	Chamber, Type JB4-A, 1110mm x 1090mm internal diameter, depth exceeding 1 metre not exceeding 2 metre, with D400 cover and frame in accordance with I454-OCSC-EW-XX-DR-C-0505	3.00	nr		
C	Chamber, ESB Type MV chamber, 1060mm x 1030mm internal diameter, depth exceeding 1 metre not exceeding 2 metre, with D400 cover and frame in accordance with ESB drawing PE424-D7002-009-002-001	1.00	nr		
I454.C	Page: 2 / 2 To Collection				0.00

Part 2 - Roadworks General

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 600 Earthworks</u>				
	<u>Excavation</u>				
A	Excavation of compliant material in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	29.00	m3		
	<u>Deposition of Fill</u>				
B	Deposition of acceptable material Embankments and other areas of fill	15.00	m3		
C	Deposition of Fill				
	<u>Disposal of Material</u>				
D	Disposal of compliant material	14.00	m3		
	<u>Imported Fill</u>				
E	Other stated classes of imported acceptable Class 2C to Embankments and other areas of fill	5.00	m3		
	<u>Compaction of Fill</u>				
F	Compaction of acceptable material Class 2C at 250mm layers to Embankments and other areas of fill	5.00	m3		
I454.C	Page: 2 / 3 To Collection				0.00

Part 2 - Roadworks General

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1700 Structural Concrete</u>				
	<u>In Situ Concrete</u>				
A	In situ concrete	3.00	m3		
	<u>Surface Finish of Concrete - Formwork</u>				
B	Formwork Vertical more than 300mm wide F3	4.00	m2		
	<u>Steel Reinforcement for Structures</u>				
C	Bar reinforcement Nominal size of 16 mm and under not exceeding 12 metres in length	0.30	t		
D	Fabric reinforcement to BS	18.00	m2		
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Part 2 - Roadworks General

	Description	Amount
	Series 200 Site Clearance	0.00
	Series 500 Drainage and Service Ducts	0.00
	Series 600 Earthworks	0.00
	Series 1700 Structural Concrete	0.00
I454.C	Page: 2 / 5To Summary	0.00

Bill	Description	Amount
1	Part 1 - Preliminaries	0.00
2	Part 2 - Roadworks General	0.00
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