



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



Requirements for Measuring and Pricing of Site Clearance

CC-RMP-00200
January 2019

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>Requirements for Measuring and Pricing of Site Clearance</i>
TII Publication Number	<i>CC-RMP-00200</i>

Activity	<i>Construction & Commissioning (CC)</i>	Document Set	<i>Standards</i>
Stream	<i>Requirements for Measuring and Pricing (RMP)</i>	Publication Date	<i>January 2019</i>
Document Number	<i>00200</i>	Historical Reference	<i>Series MM 200</i>

TII Publications Website

This document is part of the TII publications system all of which is available free of charge at <http://www.tiipublications.ie>. For more information on the TII Publications system or to access further TII Publications documentation, please refer to the TII Publications website.

TII Authorisation and Contact Details

This document has been authorised by the Director of Professional Services, Transport Infrastructure Ireland. For any further guidance on the TII Publications system, please contact the following:

Contact: Standards and Research Section, Transport Infrastructure Ireland
 Postal Address: Parkgate Business Centre, Parkgate Street, Dublin 8, D08 DK10
 Telephone: +353 1 646 3600
 Email: infoPUBS@tii.ie

TII Publications



Activity:	Construction & Commissioning (CC)
Stream:	Requirements for Measuring and Pricing (RMP)
TII Publication Title:	Requirements for Measuring and Pricing of Site Clearance
TII Publication Number:	CC-RMP-00200
Publication Date:	January 2019
Set:	Standards

Contents Table

1.	Site Clearance	1
2.	References	5
2.1	TII Publications (Standards) References	5

**Updates to TII Publications resulting in changes to
Requirements for Measuring and Pricing of Site Clearance CC-RMP-00200**

Date: January 2019

Page No: 1-2

Section No: 5-11

Amendment Details:

Grammatical and punctuation errors amended.

Contents Table

1.	Site Clearance	1
2.	References.....	5
2.1	TII Publications (Standards) References	5

1. Site Clearance

- 1** Unless otherwise stated in the Contract the items in this document shall include for the removal of superficial obstructions down to existing ground level. Items measured under paragraph 7 and those including for the removal of stumps and roots shall be measured under this document: Site Clearance. Work below existing ground level in the demolition and removal of foundations, drains and sewers specified in Appendix 2/2, chambers, cellars, ground slabs, carriageways, kerbs, paving's, backfilling and the like shall be measured under CC-RMP-00600: Earthworks. Lowering of carriageway levels shall be measured under CC-RMP-00700: Pavements

The measurement of General Site Clearance includes for the removal of superficial obstructions down to existing ground level. If no General Site Clearance item is measured and the contract requires items to be taken to Tip, these shall be measured within paragraphs 8-11 Take Up or Down and Set Aside or Re-use or Remove to Store or Tip off Site.

Site Clearance

Units

- 2** The units of measurement shall be:
- (i) general site clearance hectare.
 - (ii) demolition of individual or groups of buildings or structures item.
 - (iii) partial demolition of individual structures.....item.

Measurement

- 3** The measurement of general site clearance shall be the plan area. No deduction shall be made for buildings, structures, carriageways and the like. The measurement of partial demolition shall be as stated in the Contract.

Itemisation

- 4** Separate items shall be provided for site clearance in accordance with Section 3 of CC-RMP-00010 - Introduction to the Requirements for Measuring and Pricing paragraphs 3 and 4 and the following:

Group Feature

- 1. General site clearance
- 2. General site clearance of separate sections
- 3. Demolition of individual or groups of buildings or structures
- 4. Partial demolition of individual structures.

General Site Clearance **5**

The items for general site clearance shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage

- (a) demolition, breaking up and removal;
- (b) tree felling;
- (c) grubbing up and blasting stumps and roots including backfilling and compaction;
- (d) uprooting of bushes, small trees and hedges;
- (e) credit value of materials;
- (f) disposal of material (as CC-RMP-00600);

		<ul style="list-style-type: none">(g) making good severed ends of existing fences, hedges and walls;(h) branch lopping;(i) disconnecting, removing and sealing services and supplies;(j) reinstatement and making good;(k) preservation of individual or groups of trees, shrubs and the like;(l) treatment of hazardous materials;(m) temporary fencing to protect existing vegetation;(n) marking of trees;(o) services of an arboriculturist.
Demolition of Individual or Groups of Buildings or Structures	6	The items for demolition of individual or groups of buildings or structures shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		<ul style="list-style-type: none">(a) blasting, breaking up and removal;(b) credit value of materials;(c) disposal of material (CC-RMP-00600 paragraph 39);(d) disconnecting, removing and sealing services and supplies;(e) treatment of hazardous materials.
Partial Demolition of Individual Structures	7	The items for partial demolition of individual structures shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		<ul style="list-style-type: none">(a) demolition of individual or groups of buildings or structures (paragraph 6 of this document);(b) cutting and trimming;(c) saw cutting;(d) cutting through reinforcement, removal, disposal, protecting cut ends with treatment, de-bonding existing reinforcement;(e) working between and behind reinforcement and other obstructions;(f) marking of surfaces;(g) preparation to receive new works;(h) measures in respect of specialist demolition techniques;(i) protection of unaffected parts of the structure.
Take Up or Down and Set Aside for Reuse or Remove to Store or Tip off Site		
Units	8	The units of measurement shall be: Take up or down and set aside for reuse or remove to store or tip off Site the following: <ul style="list-style-type: none">(i) blockwork and stonework cubic metre.(ii) paved areas and the like, brickwork square metre.(iii) kerbs, channels, edgings, combined drainage and kerb blocks, linear drainage channel systems, fencing, safety barriers, vehicle parapets, transitions, terminals, pedestrian guardrails and pedestrian parapets and the like, copings, string courses and the like linear metre.(iv) cable linear metre.

- (v) road lighting columns, brackets and wall mountings, traffic signs, reflecting road studs, gates, stiles, street furniture, feeder pillars, communications cabinets, posts, brackets, signal indicators, shelves, racking, frames, electronic units and the like number.
 - (vi) chamber covers and frames, gully gratings and frames and the like number.
 - (vii) individual blocks, features or stones number.
- Measurement** **9** The measurement for take up or down and set aside for reuse or remove to store or tip off Site of blockwork, stonework, paved areas and the like, brickwork, kerbs, channels, edgings, combined drainage and kerb blocks, linear drainage channel systems, fencing, safety barriers , vehicle parapets, transitions, terminals, pedestrian guardrails and pedestrian parapets and the like, copings, string courses and the like, cable, road lighting columns, brackets and wall mountings, traffic signs, reflecting road studs, gates, stiles, street furniture and the like; feeder pillars, communications cabinets, posts, brackets, signal indicators, shelves, racking, frames, electronic units and the like; chamber covers and frames, gully gratings and frames and the like; individual blocks, features or stones shall be the volumes, areas, lengths or numbers stated in the Contract.
- Only those features below the ground which are set aside for reuse shall be measured under this document: Site Clearance.
- Itemisation** **10** Separate items shall be provided for take up or down and set aside for reuse or remove to store off Site in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:
- Group Feature**
- I 1 Take up or down and set aside for reuse
 - 2 Take up or down and remove to store off Site
 - 3 Take up or down and remove to tip off Site.
 - II 1 Blockwork and stonework
 - 2 Paved areas and the like
 - 3 Brickwork
 - 4 Kerbs, channels, edgings, combined drainage and kerb blocks, linear drainage channel systems, fencing, safety barriers vehicle parapets, transitions, terminals, pedestrian guardrails and pedestrian parapets and the like
 - 5 Copings, string courses and the like
 - 6 Cable
 - 7 Road lighting columns, brackets and wall mountings, traffic signs, gates, stiles, street furniture, reflecting road studs and the like
 - 8 Feeder Pillars, Communications cabinets, posts, brackets, signal indicators and the like
 - 9 Shelves, racking, frames and the like
 - 10 Electronic units and the like
 - 11 Chamber covers and frames, gully gratings and frames and the like
 - 12 Individual blocks, features or stones
 - III 1 Different types and sizes
 - IV 1 Different arrangements

**Take Up or Down and
Remove to Store Off
Site Set Aside for
Reuse or Tip Off Site**

11

The items for take up or down and set aside for reuse or remove to store off Site shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage

- (a) excavation of acceptable material (CC-RMP-00600 paragraphs 17 and 18);
- (b) excavation of unacceptable material (CC-RMP-00600 paragraph 19);
- (c) excavation in Hard Material (CC-RMP-00600 paragraph 23);
- (d) breaking up foundations;
- (e) detensioning, dismantling and extracting posts;
- (f) cleaning, stacking, protecting and labelling;
- (g) transport and handling;
- (h) disconnecting, removing, disposing of and sealing of services and supplies;
- (i) sand and warning tape to cables where one or more are to remain in a shared trench;
- (j) backfilling and compaction;
- (k) making good to severed ends of existing walls, hedges and fencing;
- (l) disposal of material (CC-RMP-00600 paragraph 39);
- (m) reinstatement and making good;
- (n) storage facilities;
- (o) replacing items damaged during the foregoing operations;
- (p) credit value of materials;
- (q) multiple handling of materials;
- (r) treatment of hazardous materials.

2. References


2.1 TII Publications (Standards) References

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

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

CC-RMP-00700 Requirements for Measuring and Pricing of Pavements



 Ionad Ghnó Gheata na Páirce,
Stráid Gheata na Páirce,
Baile Átha Cliath 8, D08 DK10, Éire

 Parkgate Business Centre,
Parkgate Street,
Dublin 8, D08 DK10, Ireland

 www.tii.ie

 info@tii.ie

 +353 (01) 646 3600

 +353 (01) 646 3601