
TII492 Intelligent Transport Systems (ITS) - Equipment Supply and Installation Framework - Generation 2 - Lot 4

Volume C: Pricing Document

June 26

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1. Preambles to Bill of Quantities

<p>General Directions</p>	<p>1</p>	<p>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.</p>
	<p>2</p>	<p>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:</p> <ul style="list-style-type: none"> (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 Part 2 Appendix 1/5, and Part 4 Testing and Commissioning, CCTV Surveys, 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 plans, method statements, risk assessments detailed working drawings and the likes. (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 as set out in the Works Requirements and Contract Conditions.
Measurement	3	The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP. 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	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 attendance and management of specialist works will remain as tendered, even after the Reserved Sums are replaced with actual sums following the tendering of specialists 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 their obligations under the Contract. The Contractor shall include in their rates and prices for locating and taking measures for the support (including hand digging) 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 their 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-base and bases.
Works Within and Below Any Water Condition	9	The Contractor shall allow in their 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 their rates and prices for taking measures to deal with existing flow of water, sewage and the like.
	11	Not Used
Site Limitations and Constraints	12	The Contractor shall allow in their rates and prices for complying with any limitations and constraints 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) rock strata; (b) those deposits designated by limits shown on 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	As per CC-RMP-00010 for the purposes of the Contract the Requirements for Measuring and Pricing is amended in accordance with the pages immediately following.
Bill of Quantities	19	The Employer shall be under no obligation to require the Contractor to carry out any Works under this Contract and may procure the carrying out of such Works in other ways, including by running separate tender competitions for such Works. Any quantities provided in this Pricing Document and/or any Tender Documents are notional quantities only and should not be taken as an indication of the likely scale or volume of Work

		Orders that will be ordered under the Contract. Where the Employer procures the carrying out of such Works by personnel other than the Contractor, this shall not in any way affect the Contractor's other obligations under the Contract, in particular (but without limitation) as regards the transmission of data and production of reports, and the Contractor shall co-operate with such other persons in accordance with the provisions of sub-clause 4.1 of the Contract.												
Annual Indexation of Framework Rates	20	<p>The rates in this Framework are fixed for one year from the date of the Framework Agreement and thereafter shall be subject to annual adjustment on each anniversary of the date of the Framework Agreement as described below.</p> <p>Starting on the 2nd anniversary of the date of the Framework Agreement and on each anniversary thereafter, the Framework Rates shall be adjusted by the following calculations:</p> <p>An adjustment to the Framework Rates using the Society of Chartered Surveyors Ireland Tender Price Index (SCSI TPI) calculated as:</p> $(\text{SCSI index at current anniversary} \div \text{SCSI index at prior anniversary} - 1) \times 100\% \times \text{Original Framework Rate.}$ <p>If the calculated percentage change is negative (i.e., the Current Anniversary Index is lower than the Prior Anniversary Index), no downward adjustment shall be made for that component in that anniversary year; negative index movements shall be disregarded and shall not reduce the Framework Rates.</p> <p>Table 1: Example calculation</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Prior Anniversary Index</th> <th>Current Anniversary index</th> <th>% Increase</th> <th>Calculation</th> <th>Result (€)</th> </tr> </thead> <tbody> <tr> <td>SCSI TPI (applies to whole Framework Rate)</td> <td>229</td> <td>235</td> <td>$(235/229 - 1) \times 100 = 2.62\%$</td> <td>$2.62\% \times \text{original rate (€70)}$</td> <td>€1.83 uplift</td> </tr> </tbody> </table> <p><i>Notes on example calculation: starting Framework Rate = €70. After SCSI adjustment, there is a €1.83 uplift. This applies to all rates excluding rates involving installation of safety barriers</i></p>	Item	Prior Anniversary Index	Current Anniversary index	% Increase	Calculation	Result (€)	SCSI TPI (applies to whole Framework Rate)	229	235	$(235/229 - 1) \times 100 = 2.62\%$	$2.62\% \times \text{original rate (€70)}$	€1.83 uplift
Item	Prior Anniversary Index	Current Anniversary index	% Increase	Calculation	Result (€)									
SCSI TPI (applies to whole Framework Rate)	229	235	$(235/229 - 1) \times 100 = 2.62\%$	$2.62\% \times \text{original rate (€70)}$	€1.83 uplift									
<p>Amendments to the Requirements for Measuring and Pricing</p> <p>CC-RMP-00100 – Preliminaries</p>														
<p>Traffic Safety and Management</p>														
<p>Replace item coverage (a) with the following and add the following item coverages to paragraph 30:</p>														
Item Coverage		(a) Delete the text “Guidelines for the Control and management of Traffic at Roadworks” and replace with “Chapter 8 of the Traffic Signs Manual”;												

		<p>(a) Complying with the requirements contained in the Department of Transport Traffic Signs Manual 2024;</p> <p>(b) Temporary safety barrier between areas trafficked by construction vehicles and pedestrian areas (CC-RMP-00400 paragraph 29);</p> <p>(c) Liaison with Third Parties at adjacent roadworks/construction site to coordinate traffic management proposals/schemes between the sites;</p> <p>(d) Publicity in accordance with Appendix 1/17 and Appendix 1/18 of Volume A – Part 2: Works Specification</p> <p>(b)</p>
Facilities for Service Undertakers and Other Contractors		
<u>Add the following to paragraph 58:</u>		
Item Coverage		(a) Security measures required in relation to temporarily exposed ducting.
<u>Add the following to paragraph 73</u>		
As Built Records		
Item Coverage	73	<p>(a) submission of as built records and drawings for formal review in AutoCAD DWG format and PDF format to the Employer's Representative for review;</p> <p>(b) re-submission of as built records and drawings as required by Employer's Representative;</p> <p>(c) everything necessary for the provision of as-built record drawings in accordance with Appendix 1/72 of Volume A – Part 2: Works Specification.</p>
<u>Introduce paragraphs 82 to 85:</u>		
Independent Check Certificates for Temporary Works		
Unit	82	<p>The unit of measurement shall be:</p> <p>(i) Provision of Independent Check Certificates for Temporary Works.....item.</p>
Measurement	83	The measurement of Independent Check Certificates for Temporary Works shall be in respect to Independent Check Certificates for Temporary Works in accordance with Clause 174AR of Volume A – Part 2: Works Specification and shall be measured once only.
Itemisation	84	Separate items shall be provided for Independent Check Certificates for Temporary Works in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:
		<p>Group Feature</p> <p>I 1 Independent Check Certificates for Temporary Works</p>
Independent Check Certificates for Temporary Works	85	The item for Independent Check Certificate for Temporary Works shall in accordance with the Preambles to the Bill of Quantities General Directions include for:

Item Coverage		(a) Provision of Independent Check Certificates for Temporary Works as required by Clause 174AR of Volume A Part 2: Specification; (b) Everything necessary for the Independent Check Certificates for Temporary Works.
<u>Introduce paragraphs 86 to 89:</u>		
Dimensional Survey		
Units	86	The unit of measurement shall be: Dimensional survey number
Measurement	87	The measurement for dimensional survey shall be in respect of the complete dimensional survey for the different structure types to facilitate the installation of equipment
Itemisation	88	Separate items shall be provided for dimensional survey in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:
		<p>Group Feature</p> <p>I 1 Dimensional survey</p> <p>II 1 Different structure type</p>
Dimensional Survey	89	The item for dimensional survey shall in accordance with the Preambles to the Bill of Quantities General Directions include for:
Item Coverage		<p>(a) Undertaking dimensional survey as specified in Clause 1537 1AR of Volume A – Part 2: Works Specification and take into account but not limited to the installation of the following equipment on existing infrastructure:</p> <ul style="list-style-type: none"> (i) VMS Tactical Signage frames and closing off plate; (ii) VMS Strategic signage frames and closing off plate; (iii) VMS Large Urban signage frames and closing off gate; (iv) VMS Small Urban signage frames and closing off gate; (v) AMI signage frames and closing off plate; (vi) CCTV pole; (vii) ANPR gantry members or poles; (viii) RSU gantry mounting extension poles; (ix) OHVD; (x) DWS; (xi) Point to Point communications; (xii) Equipment cabinet base mounting arrangement; (xiii) Any other locations where equipment is to be mounted onto existing infrastructure; (xiv) Ducting survey; <p>(b) Everything necessary to carry out the dimensional survey;</p>

		<ul style="list-style-type: none"> (c) Preparation of dimensional survey report and issuing them to the Employer's Representative; (d) Taking photographs; (e) Giving notice to Employer's Representative; (f) Carrying out dimensional surveys outside normal hours including evenings and weekends; (g) Liaison with Third Parties.
<u>Introduce the following paragraphs 94 to 97:</u>		
Appointment of Professionals		
Units	94	The unit of measurement shall be: (i) Appointment of professional.....item.
Measurement	95	Appointment of professionals shall be measured once only.
Itemisation	96	Items shall be provided for appointment of professionals in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:
		Group Feature I 1 Traffic Safety and Control Officer
Appointment of Professionals	97	(d) The items for appointment of professionals in accordance with the Preambles to the Bill of Quantities General Directions include for:
Item Coverage		<ul style="list-style-type: none"> (a) Appointment of professionals; (b) Attendance of professionals; (c) Duties of professional in accordance with works requirements.
CC-RMP-01200 – Traffic Signs and Road Markings		
<u>Introduce paragraphs 65 to 68:</u>		
Supply of Dynamic Warning Signs		
Units	65	The unit of measurement shall be: (i) Supply of Dynamic Warning Signs..... number.
Measurement	66	The measurement of supply of dynamic warning signs shall be with respect to the supply of dynamic warning signs
Itemisation	67	Separate items shall be provided for supply of dynamic warning signs in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:
		Group Feature I 1 Supply of dynamic warning signs II 1 Different type of signs

Supply of Dynamic Warning Signs	68	The items for supply of dynamic warning signs shall in accordance with the Preambles to the Bill of Quantities General Directions include for:									
Item Coverage		(a) The design, supply and installation of Dynamic Warning Signs outstation and mounting arrangements in accordance with Volume A – Part 3 – Technical Specification; (b) transport and handling; (c) storage until handover.									
<u>Introduce paragraphs 69 to 72:</u>											
Supply and Installation of Dynamic Warning Signs											
Units	69	The unit of measurement shall be: (i) Supply and Installation of Dynamic Warning Signs..... number.									
Measurement	70	The measurement of Dynamic Warning Signs shall be with respect to the supply and installation of Dynamic Warning Signs									
Itemisation	71	Separate items shall be provided for dynamic warning signs in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:									
		<table border="0"> <tr> <td>Group</td> <td>Feature</td> <td></td> </tr> <tr> <td>I</td> <td>1</td> <td>Supply and Installation of Dynamic Warning Signs</td> </tr> <tr> <td>II</td> <td>1</td> <td>Different type of signs</td> </tr> </table>	Group	Feature		I	1	Supply and Installation of Dynamic Warning Signs	II	1	Different type of signs
Group	Feature										
I	1	Supply and Installation of Dynamic Warning Signs									
II	1	Different type of signs									
Supply and Installation of Dynamic Warning Signs	72	The items for supply and install dynamic warning signs shall in accordance with the Preambles to the Bill of Quantities General Directions include for:									
Item Coverage		(a) The design, supply and installation of Dynamic Warning Signs outstation and mounting arrangements in accordance with Volume A – Part 3 – Technical Specification; (b) Documentation and training requirements in accordance with Volume A – Part 3 – Technical Specification; (c) Maintenance of equipment up to the date of substantial completion of the installation; (d) Closing off pole; (e) Permanent traffic signs (CC-RMP-01200 paragraph 4); (f) Traffic Signal Poles (CC-RMP-01200 paragraph 29); (g) retention sockets; (h) Pre installation photographs; (i) Post installation photographs; (j) Provision of design documentation; (k) Reports and certificates; (l) Provision of data and drawings;									

	<ul style="list-style-type: none">(m) Submissions to the Employer's Representative, including resubmissions and modifications as required;(n) Amendments to the Works;(o) Certification by an independent Chartered Engineer;(p) Loading, transporting, unloading and positioning for re-erection;(q) Notices, labelling, numbering and lettering;(r) Alignment and sighting;(s) Complying with wiring regulations, earthing and inspections;(t) Data equipment, cabling and connections;(u) Mounting arrangements;(v) Preparation and supply of record drawings;(w) Giving notice to the Employer's Representative;(x) Liaison and coordination with Third Parties;(y) Day and night works;(z) Modifications to the existing infrastructure for the installation of equipment;(aa) Suspension of the works with respect to the removal of temporary traffic management due to high traffic volumes as directed by the relevant TII appointed Road Operator;(bb) Everything necessary for the design, fabrication, installation, testing and integration of the signage;(cc) Integration with AFMS, ATMS, NIMS and other systems identified in Volume A – Part 3.
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2. Volume C Pricing Document

TII492 ITS Equipment Supply & Installation Framework

Bill Part 1 - Preliminaries

Series 100 - Preliminaries

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Traffic Safety and Management				
1.1.1	Traffic Safety and Management as per App. 1/17 & App. 1/19 of Volume A Part 2 and in accordance with the Works Requirements	Item	1		0
1.1.2	Taking measures for the construction, maintenance and removal of contraflow arrangement, as per App. 1/18 of Volume Part 2 and in accordance with the Works Requirements	Item	1		0
	Project Supervisor for The Construction Stage				
1.1.3	Acceptance of Appointment as Project Supervisor for the Construction Stage as per Volume A Part 1 Section 5.4	Item	1		0
	Temporary Diversion For Traffic				
1.1.4	Taking measures for the construction of temporary diversion of traffic, at locations proposed by the Contractor, as per App. 1/18 of Volume A Part 2 and in accordance with the Works Requirements	Item	1		0
1.1.5	Maintenance of measures for the construction of temporary diversion for traffic, at locations proposed by the Contractor, as per App. 1/18 of Volume Part 2 and in accordance with the Works Requirements	Item	1		0
1.1.6	Removal of measures for the construction of temporary diversion for traffic, at locations proposed by the Contractor, as per App. 1/18 of Volume Part 2 and in accordance with the Works Requirements	Item	1		0
	Progress Photographs				
1.1.7	Set of progress photographs, Digital Colour prints, as per App. 1/22 of Volume A Part 2 and in accordance with the Works Requirements	No.	1		0
	Emergency Services				0
1.1.8	Emergency Services, as per App. 1/17 and in accordance with the Works Requirements	No.	1		0
	Total Page: 1				0

TII492 ITS Equipment Supply & Installation Framework

Bill Part 1 - Preliminaries

Series 100 - Preliminaries

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Facilities for Local Authority, Public or Private Utility Undertakers and Other				
1.1.9	Facilities for Service Undertakers and other Contractors, Electric Supply Board (ESB) and their Contractors, as per App. 1/16 and in accordance with the Works Requirements	Item	1		0
1.1.10	Facilities for Service Undertakers and other Contractors, EIR and their Contractors, as per App. 1/16 and in accordance with the Works Requirements	Item	1		0
1.1.11	Facilities for Service Undertakers and other Contractors, Uisce Éireann and their Contractors, as per App. 1/16 and in accordance with the Works Requirements	Item	1		0
1.1.12	Facilities for Service Undertakers and other Contractors, Gas Networks Ireland (GNI) and their Contractors, as per Clause 116.6AR and in accordance with the Works Requirements	Item	1		0
	Safety File				
1.1.13	Safety file, as per Volume A Part 1 Section 5.4 and in accordance with the Works Requirements	Item	1		0
	As Built Records				
1.1.14	As Built Records, as per App. 1/72 and in accordance with the Works Requirements	Item	1		0
	Appointment of Professionals				
1.1.15	Traffic and Safety and Control Officer, as per App. 1/17 and in accordance with the Works Requirements	Item	1		0
	Total Page: 2				0

TII492 ITS Equipment Supply & Installation Framework

Bill Part 1 - Preliminaries

Summary	
Total Page: 1	0
Total Page: 2	0
Total Page: 3	0
TOTAL CARRIED FORWARD TO GENERAL SUMMARY	0

TII492 ITS Equipment Supply & Installation Framework

Bill Part 2 - Traffic Signs and Road Markings

Series 1200 - Traffic Signs and Road Markings

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Supply of Dynamic Warning Signs				
3.1.1	Supply of School Warning Signs, with remote operations and remote fault reporting capabilities as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	50		0
3.1.2	Supply of School Warning Signs, without remote operations or remote fault reporting capabilities as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	50		0
3.1.3	Supply of Wrong Way Driver Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.4	Supply of Bend Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.5	Supply of Queue Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.6	Supply of Periodic School Limit Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	200		0
3.1.7	Supply of Driver Feedback Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	20		0
3.1.8	Supply of Prism Variable Message Sign, as per Volume A Part 3 - Technical Specification - Section 3 - Prism Variable Message signs and in accordance with the Works Requirements. This shall be based on a 100km/h motorway sign in accordance with the Traffic Signs Manual	no.	10		0
	Supply and Installation of Dynamic Warning Signs				
3.1.9	Supply and Installation of School Warning Signs, with remote operations and remote fault reporting capabilities as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	100		0

3.1.10	Supply and Installation of School Warning Signs, without remote operations or remote fault reporting capabilities as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	100		0
3.1.11	Supply and Installation of Wrong Way Driver Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.12	Supply and Installation of Bend Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.13	Supply and Installation of Queue Warning Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	5		0
3.1.14	Supply and Installation of Periodic School Limit Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	500		0
	Total Page: 4				0

TII492 ITS Equipment Supply & Installation Framework

Bill Part 2 - Traffic Signs and Road Markings

Series 1200 - Traffic Signs and Road Markings

ItemID	Item Description	Unit	Quantity	Rate	Amount €
3.1.15	Supply and Installation of Driver Feedback Sign, as per Volume A Part 3 - Technical Specification - Section 3 - DWS and in accordance with the Works Requirements	no.	10		0
3.1.16	Supply and installation of Prism Variable Message Sign, as per Volume A Part 3 - Technical Specification - Section 3 - Prism Variable Message signs and in accordance with the Works Requirements. This shall be based on a 100km/h motorway sign in accordance with the Traffic Signs Manual	no.	20		0
	Traffic Signal Poles				
3.1.17	10 metre wind down pole, installation as per dwg no. CC-SCD-01569-01, CC-SCD-01570-01 & CC-SCD-01571-01	no.	10		0
3.1.18	10 metre wind down pole (Supply Only)	no.	10		0
3.1.19	6 metre collapsible pole, installation as per dwg no. CC-SCD-01569-01, CC-SCD-01570-01, CC-SCD-1571-01	no.	10		0
3.1.20	6 metre collapsible pole (Supply Only)	no.	10		0
3.1.21	Renewable Energy Poles, height 9.5m, installation as per dwg no. CC-SCD-01569-01, CC-SCD-01570-01, CC-SCD-01571-01 & CC-SCD-05142-01	no.	10		0

General Summary

Total: Bill Part 1 - Preliminaries	0
Total: Bill Part 2 - Traffic Signs and Road Markings	0
Total of Tender	€0.00
Adjustment Item (not exceeding 5% of Total of Tender excluding VAT)	0
Tender Total (excluding VAT) (carried forward to Form of Tender)	€0.00