Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

Travaux publics et Services gouvernementaux Canada
Place Bonaventure,
800 rue de la Gauchetière Ouest
Voir aux présentes - See herein
Montréal
Québec
H5A 1L6
FAX pour soumissions: (514) 496-3822

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Travaux publics et Services gouvernementaux Canada
Place Bonaventure,
800 rue de la Gauchetière Ouest
Voir aux présentes - See herein
Montréal
Québec
H5A 1L6

Title - Sujet Upgrade electrical grid, SADP	
Solicitation No. - N° de l'invitation EF236-180540/A	**Amendment No. - N° modif.** 004
Client Reference No. - N° de référence du client R.068409.100	**Date** 2017-09-01
GETS Reference No. - N° de référence de SEAG PW-$MTC-775-14463	
File No. - N° de dossier MTC-7-40107 (775)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2017-09-12**	**Time Zone** **Fuseau horaire** Heure Avancée de l'Est HAE
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Aguilera, Maria Pia	**Buyer Id - Id de l'acheteur** mtc775
Telephone No. - N° de téléphone (514) 496-3573 ( )	**FAX No. - N° de FAX** (514) 496-3822
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	**Delivery Offered - Livraison proposée**

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Telephone No. - N° de téléphone
Facsimile No. - N° de télécopieur

Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)
Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)

Signature **Date**

Canada

AMENDMENT 004:

Herewith you will find attached:

- ADDENDUM No. 2: mechanical

- This addendum is an integral part of the invitation to tender -

ELECTRICAL NETWORK UPGRADE
SAINTE-ANNE-DES-PLAINES

PWGSC Ref.: R.068409.001
SNC-Lavalin Ref.: 640005

MECHANICAL
ISSUED FOR ADDENDUM No. 2
SEPTEMBER 1ST, 2017

THIS DOCUMENT SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES

Prepared by:

2017-09-01

Marie-Ève Legault, Eng.
(Mechanical)

SNC·LAVALIN

This addendum becomes part of the tender documents as originally specified. Its content prevails over tender documents issued to date.

All specifications issued with this **ADDENDUM No. 2** shall be considered part of the bidding documents. Modifications to sections of the tender documents are listed below and included hereafter.

1. MECHANICAL

1.1 SECTIONS LIST OF SPECIFICATIONS ISSUED

On each revised page of a given section, the revisions connected to present addendum are identified by a triangle to indicate a partial revision, whereas it is located next to the section number if an entire page was added or revised in the scope of the addendum.

The following section is issued with this addendum:

Section n°	Pages added or modified
25 05 01	1 of 8

2. TENDER SCHEDULE

2.1 CLARIFICATIONS AND/OR MODIFICATIONS TO SPECIFICATIONS

- Adding lines for transformer base and sectioning base in the structure section.
- Adding lines for manhole in the electrical section.
- Removal of line for chimney and flues in the mechanical section.
- Adding line for maritime container in the architecture section.

PART 1. GENERAL

1.1 RELATED SECTIONS

.1 Refer to Section "Common Work Results for Mechanical" for a list of applicable and common sections.

.2 This section concerns common elements and is applicable to the following specifications sections:

.1 25 05 00 - EMS: Installation.

.2 25 30 02 - Instrumentation.

.3 25 90 01 - Narrative Operating Sequences.

1.2 GENERAL

.1 Work included:

.1 To ensure compatibility with existing facilities, the Client is currently working with a controls/regulation supplier, ~~Johnson Controls (to be confirmed with client).~~**Regulvar**.

.2 Works described in this section will be carried out by the automatic controls Subcontractor, **Regulvar**~~Johnson Controls~~.

.1 All other components, such as temperature, duct and level sensors, thermostats, etc. can be of another brand, as long as they are compatible with **Delta Controls**~~Johnson Controls Metasys~~ digital controls.

.3 The Subcontractor is responsible for reviewing all documents, plans and architectural, structural, mechanical and electrical specifications, to familiarize himself with the overall project.

1.3 RELATED WORK

.1 General, mechanical, electrical and specialized (mechanical and electrical) specifications, as well as all other tender documents, shall apply and should be considered an integral part of this section:

.1 Mechanical: General specifications - Division 21.

.2 Ventilation: Division 23.

.3 System adjustment: to Section 23 05 93.

.4 Electrical: Division 26.

.2 If some items or clauses mentioned in whole or in part in other sections also appear in this section, they should not be interpreted restrictively but rather as a reminder of their importance.

1.4 SCOPE OF WORK

.1 The defined mechanical scope of work and its contents entirely apply to this section. All articles in this section apply and regulate works mentioned hereinafter and/or shown on Contract Drawings.

.2 Install and connect all equipment according to manufacturers' recommendations. Recommendations to be provided before installation phase. Provide all required installation accessories and hardware.

.3 In this division, the term "**provide**" shall be interpreted as "**provide, install, connect and start up**".

.4 Work in accordance with CAN3-Z234.1-76.

.5 Provide all required adaptors for components manufactured according to metric and imperial systems.

.6 In this division, descriptions indicated using the metric system are equivalent to the imperial system's nominal values.

.7 All equipment and materials must be new, CSA-approved and manufactured according to standards, including additional requirements as specified.

.8 When obliged to use non CSA-approved equipment, a special inspection of the equipment must be carried out and approval must be obtained before delivery on site.

.9 Use equipment and materials manufactured using a consistent, regular production process.

.10 Work covered by these specifications and related sections consist of: supply of shop drawings, equipment, labour, materials, engineering, calibrating, tests, start up and adjusting of automatic controls components.

.11 Work includes, but is not limited to, the following:

.1 Provide complete operating and maintenance manuals in French and onsite training of operators, programmers and maintenance personnel.

.2 Perform all tests, as indicated.

.3 Provide and install programmable and terminal control units, sensors, control devices, ducts and wiring required for the facilities described in the inlet/output summary, or as required for specific operations.

.4 Ducts, as well as junction and pull boxes, to Division 16.

.5 Provide, install and connect operators required to operate vent dampers.

.6 Refer to electrical plans and schematics for 120 VAC circuits.

.7 Dismantling of existing components:

.1 Complete dismantling work as indicated or described on technical plans and specifications, including wiring, electrical conducts, compressed air lines, control panels and devices, panel cabinets, etc.

.2 Do not leave any control component on site.

.3 Dismantled control components:

.1 All dismantled components, including electrical conducts, wiring and pneumatic piping, shall be removed off site by this section's Contractor.

.8 Execute various works according to specifications and Contract Drawings.

.9 This section's Subcontractor shall be responsible for watertight openings and sleeves, and for executing this work in accordance with the General Commissioning Requirements section.

.10 Provide power supply and communication link to each programmable control unit, auxiliary panel and any other control component.

.1 For terminal controls, 120 V power supply to be provided by the Electrical division near local control panels, in the ceiling space. The EMS Subcontractor is responsible for coordinating the final amount of 120 V power supply connections required for all EMS components with the Electrical division.

.11 Provide and install all identification. Identify control points according to the Client's standards.

.12 Demonstrate proper operation of all systems, by simulating protection conditions. Verify operation of interlocks. Carry out all tests and provide a written report of these tests.

.13 Produce all graphics required to enable operators to visualize system status. Submit for approval the list project of graphics, including penetration architecture.

.14 Update databases, control diagrams, and building communications network diagram and provide single series of diagrams for new and existing systems.

.15 System shop drawings:

.1 Submit for approval shop drawings as follows:

.1 All automatic controls diagrams for the various systems indicated in plans and specifications;

.2 Indicate, on complete systems control diagrams, the location and model number of devices, set point and reset point ranges, and wiring diagrams;

.3 Provide an inventory of system dampers, specifying diameter, type, rate and location;

.4 Provide technical documentation for each system component;

.5 Submit, for review, a detailed drawing of the control panel layout, graphic rendering of devices and proposed installation;

.6 Show proposed connection type of duct, required voltage and applicable codes;

.7 Update all drawings, plans or sketches for modified equipment, systems or panels;

.8 The shop drawings for each system shall include, in addition to aforementioned elements:

.1 Single-line electrical diagram, starting at detector and control points to programmable interface or control unit, including components, valves and cables.

.2 List of control materials.

.3 System operating sequences.

.4 Each plan to be letter-size (8½'' x 11''), according to current standards.

.5 Photocopies from catalogs showing electrical diagrams are not accepted.

.6 Work executed as part of the Contract is subject to prior approval of shop drawings.

.16 As-built plans and maintenance manual

.1 At the end of Works, submit two (2) copies for comments, four (4) final copies and one (1) digital copy (MS Word and CAD) of approved "as-built" controls documents. Documents to be neat and precise; documents to show installed Work to be incorporated in a "D" ring binder.

.2 At a minimum, the manual shall include the following:

.1 Table of contents.

.2 A schematic description of the network architecture, for quick reference of the overall system capacity.

.3 Adjustment points of the various set points.

.4 Proper "as-built" drawings, including the network's exact location and connections.

.5 A manual of peripherals, describing the features of each component.

.6 An O&M manual, including information on the operation of technical equipment, such as calibration, adjusting and verification method and frequency for installed devices, and any other information of this nature useful for maintenance. The manual must be written in easy-to-understand language to ensure proper operation and maintenance of equipment.

.7 A component servicing and maintenance manual for:

.1 Control devices (sensors, relays, etc.).

.2 Programmable modular controllers.

.8 All the data specified in the shop drawings section of the final AutoCAD 2010 documents (latest version to be confirmed with client).

.9 System software documents.

.10 List of supplied equipment, including the manufacturer, model number, supplier name and quantity.

.11 Copy of verified shop drawings.

.3 Any changes to existing shop drawings must appear in existing drawings. When unavailable, the automatic controls Subcontractor shall produce these drawings and make necessary adjustments.

.4 This is required so that building operators can have an overall view of the new installation. Drawings that show only specific portions of work carried out for this Project will not be accepted.

.17 Once start-up is complete, the Subcontractor must plan for an eight-hour day to verify the proper operation of all project components.

1.5 WARRANTY

.1 Modifications and new control systems must have a one (1) year warranty from date of final acceptance of Work.

.2 During this period, the Successful Bidder shall replace any defective part or redo the necessary adjustments to ensure proper operating conditions.

.3 If, during the warranty period, intermittent defects or abnormal issues surface, the warranty period will be extended for a minimum of one (1) month following the resolution of such defects or issues.

1.6 SPECIAL TOOLS

.1 Provide two (2) copies of panel keys, back-up keys, thermostat calibration keys, and any other tool required to operate and maintain controls.

1.7 EXECUTION

.1 General

.1 All controls to be installed and adjusted by competent technicians who are regularly employed by the manufacturer. The cost of adjustments is part of this Contract. All control devices must be easily accessible for repairs and adjustments. Install control devices in cabinets (e.g. unitized cabinets).

.2 Control panels must be free of any unused openings.

.3 When passing through an opening, protect cables and pneumatic pipes from edges.

.4 All ducts coming into a panel must be connected from the bottom or inferior portion.

.5 Unless otherwise indicated, electrical installations must comply with existing standards.

.6 Out-of-service automatic controls equipment (wiring, ducts, accessories, etc.) must be completely dismantled.

.2 Installation:

.1 Orderly installation includes schematic, pneumatic and electrical diagrams, on-site and in-shop wiring, pneumatic piping, labour, supervision, calibration, start-up and verification.

.2 The automatic controls Subcontractor is responsible for the complete installation of all supplied components required for the proper operation of the system. He is also responsible for all required wiring, including data transmission bus bars, electrical connections to starters, remote control elements, as well as the electrical connections for remote viewing, alarms and sensors as described in these technical specifications.

1.8 WORK PLAN

.1 The Successful Bidder shall prepare and submit for approval a Work Plan.

.2 The following phases must be included in the Work Plan, from the beginning until the end of the Contract:

.1 Preparation of shop drawings;

.2 Supply, manufacturing and delivery;

.3 Engineering and planning (shop drawings);

.4 Equipment installation;

.5 Wiring and connections;

.6 Connection of end points;

.7 Software programming and documentation;

.8 Calibration/adjustment;

.9 Demonstration of proper system operation.

.3 If, at any time during execution of work, it becomes necessary to update the approved Work Plan, the revised plan must be submitted for approval. The Work plan shall be submitted before work begins.

1.9 START-UP AND ADJUSTMENTS

.1 Before temporary acceptance of work, the following steps must be completed by the Successful Bidder in order to produce a test and start-up report.

.2 Commissioning:

.1 Once system installation is complete, the automatic controls Subcontractor must start up the system.

.2 To ensure safe operation, commissioning is divided into the following phases:

.1 During the verification phase, the automatic controls Subcontractor shall carry out the following:

.1 Verify calibration and reception of signals from all transmitters.

.2 Verify operation of all actuators.

.3 Verify the operation of all controls and their associated response.

.4 Simulate all alarms.

.5 Simulate a power outage sequence to ensure the proper operation of the control system.

.6 Verification of points:

.1 Verification of binary output: all binary output to be verified and equipped with MANUAL/OFF/AUTO switch. To verify this position, an ON/OFF command must be executed using the console.

.2 Verification of binary input: all binary input to be verified by generating "ON-OFF" signals using the console.

.3 Verification of analog output: all output to be verified at 0%, 50% and 100%.

.4 Verification of analog input: all analog input to be verified by comparing the reading from the console with an appropriate measuring device.

END OF SECTION

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS N^{O} : _____

TITLE : Replanning of electrical network

SUMMARY

Column 1 **SECTION**	*Column 2* **WORK CATEGORY**	*Column 3* **Total price estimated**
A	CIVIL	
B	STRUCTURE	
C	ARCHITECTURE	
D	MECHANICAL	
E	ELECTRICAL	
F	- Execution deposit	
G	- Deposit guaranteeing the payment of labor and materials	
H	- Insurance	
I	- Mobilization and Demobilization	
J	- General conditions	
	Total Estimate, excluding GST/HST and QST	**- $**

Name of the firm : _____

Name of authorized signatory : _____

Date : _____

Note : The Contractor is solely responsible for the amounts specified in the tender. He must ensure the accuracy of the amounts and the total entered on the Tender Form

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

SECTION A
CIVIL

Column 1 Post no	*Column 2* Specification section	*Column 3* Working Category, of tools or materials	*Column 4* Unit of measure	*Column 5* Unit price	*Column 6* Total quantity estimated	*Column 7* Total price estimated
Preparatory work						
A.1		Excavation exploration trench	unit		9	
A.2		Surveying for the drainage duct of manholes	overall		1	
Drainage						
A.3		DR-28 PVC conduit diameter of 150 mm, including the excavation, connections to manholes and conduites/sump hole/ditches/gutters, foundation, the coating, the insulation if required and the embankment	m. lin.		306	
A.4		Inverted Check Valve (payable if installed)	unit		16	
Excavation and embankments						
A.5		Excavation for conduit bank (single and double), including sawing, demolition and floor layout	m.lin.		2440	
A.6		Landfill for conduit bank, including foundation, coating, class B embankment, MG-112 embankment, MG-20 embankment, infrastructure preparation	m.lin.		2440	
A.7		Excavation pour structures souterraines (chambres, puits d'accès, transformateurs), incluant le sciage, la démolition, et la disposition des sols	unit		24	
A.8		Embankment for underground structures (chambers, manholes, transformers), including foundation, coating, class B embankment, MG-112 embankment, MG-20 embankment, infrastructure preparation	unit		24	
A.9		Management of dirt clearing of class < B (provision)	ton		50	
A.10		Management of dirt clearing of class BC (provision)	ton		50	
A.11		Management of dirt clearing of class > C (provision)	ton		50	
A.12		Overexcavation of non-conforming materials (provision)	ton		50	
A.13		Overexcavation clearing of crushed stone 0-20 mm (provision)	ton		50	
A.14		Geotextile membrane, Texel 7618, for overexcavation (provision)	m. ca.		100	
Surfaces repair						
A.15		Bituminous asphalt surface (parking): Membrane Texel 7609, MG-56 300 mm, MG-20 200 mm, EB-14 (PG 58-28) 60 mm, EB-10S (PG 58-28) 35 mm | Detail 01 of sheet S852	m. ca.		605	
A.16		Bituminous asphalt surface (solid): EB-14 (PG 58-28) 60 mm, EB-10S (PG 58-28) 35 mm | Detail 01A of sheet S850	m. ca.		1015	
A.17		Hydraulic seeding area including topsoil and warranty | Detail 01B of sheet S850	m. ca.		9265	
A.18		Concrete surface (slab) | Detail 01D of sheet S850	m. ca.		18	

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

A.19	Gravel surface (last thickness of 100mm) | Detail 01A of sheet C850	m. ca.		569	
Miscellaneous work					
A.20	Rigid slide type New Jersey to move and reposition	unit		10	
A.21	Pavement marking (center line lane and parking spaces)	m. lin.		70	
A.22	Removal and reinstallation of lamp posts	unit		2	
	Total of Section "A" of the estimation, excluding GST/HST and QST				

The total of Section "A" of the estimation must be transferred to the tab ''SUMMARY"")

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

SECTION B

STRUCTURE

Column 1 Post no	*Column 2* Specification section	*Column 3* Working Category, of tools or materials	*Column 4* Unit of measure	*Column 5* Unit price	*Column 6* Total quantity estimated	*Column 7* Total price estimated
B.1		Concrete base	fixed		100,00%	- $
B.2		Base on concrete floor	fixed		100,00%	- $
B.3		Poured concrete in place (post)	fixed		100,00%	- $
B.4		Directional drilling	fixed		100,00%	- $
B.5		Base for transformer	fixed		100,00%	- $
B.6		Base for sectioning	fixed		100,00%	- $
		***Total of Section B of the Estimation, excluding GST/HST and QST**				**- $**

*The total of Section B of the estimation must be transferred to the tab "SUMMARY"

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

SECTION C
ARCHITECTURE

Column 1 Post no	*Column 2* Specification section	*Column 3* Working Category, of tools or materials	*Column 4* Unit of measure	*Column 5* Unit price	*Column 6* Total quantity estimated	*Column 7* Total price estimated
C.1		***Division 04 - Masonry***				
C.1.1	04 05 10	Masonry work (includs 04 05 12, 04 05 19, 04 22 00)	fixed		100,00%	- $
C.2		***Division 05 - Metals***				
C.2.1	05 41 00	Lightweight steel structures subjected to overloads	fixed		100,00%	- $
C.2.2	05 50 00	Metal work	fixed		100,00%	- $
C.2.3	05 51 31	Escaliers métalliques extérieurs	fixed		100,00%	- $
C.3		***Division 06 - Work of wood and plastic***				
C.3.1	06 10 11	Rough carpentry	fixed		100,00%	- $
C.3.2	06 40 00	Cabinetmaking	fixed		100,00%	- $
C.4		***Division 07 - Insulation, thermal insulation and***				
C.4.1	07 11 13	Oil waterproof	fixed		100,00%	- $
C.4.3	07 21 14	Panel insulation (for walls)	fixed		100,00%	- $
C.4.4	07 21 16	Metal insulations & other insulations	fixed		100,00%	- $
C.4.5	07 26 10	Sheet vapor barrier	fixed		100,00%	- $
C.4.6	07 27 13	Elastomeric bitumen air barrier membranes	fixed		100,00%	- $
C.4.7	07 46 19	Shaped metal facing, (includs 07 62 00)	fixed		100,00%	- $
C.4.9	07 84 00	Fire protection	fixed		100,00%	- $
C.4.10	07 92 10	Sealing of joints	fixed		100,00%	- $
C.5		***Division 08 - Doors and windows***				
C.5.1	08 11 14	Doors and steel frames	fixed		100,00%	- $
C.5.2	08 71 10	Door hardware	fixed		100,00%	- $
C.5.3	08 90 00	Aluminum Louvers	fixed		100,00%	- $
C.6		***Division 09 -Finishing Products***				
C.6.1	09 22 16	Gypsum panels and metal framework	fixed		100,00%	- $
C.6.3	09 91 10	Painting	fixed		100,00%	- $
C.7		***Division 11 -Marine Container***				
C.7.1	11 82 27	Marine Container	fixed		100,00%	- $
		***Total of Section C of the Estimation, excluding GST/HST and QST**				**- $**

*The total of Section C of the estimation must be transferred to the tab "SUMMARY"

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

SECTION D
MECHANICAL

Column 1 Post no	*Column 2* Specification section	*Column 3* Working Category, of tools or materials	*Column 4* Unit of measure	*Column 5* Unit price	*Column 6* Total quantity estimated	*Column 7* Total price estimated
Plomberie						
D.1	15 401	Plumbing	fixed		100,00%	- $
Ventillation						
D.5	15 801	Ventilation-Air Conditioning	fixed		100,00%	- $
Régulation						
D.6	15 901	Automatic regulation	fixed		100,00%	- $
		***Total of Section D of the Estimation, excluding GST/HST and QST**				**- $**

*The total of Section D of the estimation must be transferred to the tab "SUMMARY"

TENDER SCHEDULE

ISSUED FOR TENDER R00 - 2017-06-16

PROJECT : TPSGC, SCC, Sainte-Anne-Des-Plaines

CALL FOR TENDERS NO : _____

TITLE : Replanning of electrical network

SECTION E

ELECTRICAL

Column 1 Post no	*Column 2* Specification section	*Column 3* Working Category, of tools or materials	*Column 4* Unit of measure	*Column 5* Unit price	*Column 6* Total quantity estimated	*Column 7* Total price estimated
Work in buildings						
E.1		Thermal power plant	fixed		100,00%	- $
E.2		Archambault	fixed		100,00%	- $
E.3		A25	fixed		100,00%	- $
E.4		CRR	fixed		100,00%	- $
E.5		USD	fixed		100,00%	- $
E.6		Factory	fixed		100,00%	- $
Exterior equipments						
E.7		Main distribution station	fixed		100,00%	- $
E.8		IDC	fixed		100,00%	- $
E.9		Manhole	fixed		100,00%	- $
E.10		Transformers	fixed		100,00%	- $
E.11		25kV Cabling	fixed		100,00%	- $
E.12		600V Cabling	fixed		100,00%	- $
General						
E.13		Grounding	fixed		100,00%	- $
Generator						
E.14		Temporary generator	fixed		100,00%	- $
Demolition						
E.15		Removal of existing distribution	fixed		100,00%	- $
Exterior Work						
E.16		Approach of conduit bank and rise on building	fixed		100,00%	- $
E.17		Reinforced concrete slab of 2 conduits	fixed		100,00%	- $
E.18		Reinforced concrete slab of 4 conduits	fixed		100,00%	- $
E.19		Reinforced concrete slab of 6 conduits	fixed		100,00%	- $
E.20		Performing tests of all installed equipments	fixed		100,00%	- $

***Total of Section E of the Estimation, excluding GST/HST and QST** **- $**

*The total of Section E of the estimation must be transferred to the tab "SUMMARY"