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| <u>1 Description of Work</u> | .1 | Work under this contract covers the following:
.1 Coordination with Newfoundland power for the delivery of electrical power to the site.
.2 Construction of new electrical equipment sheds, the equipment therein, the electrical service to each building and the supply and distribution to the individual campsite power centres.
.3 Construction and installation of campsite power centres.
.4 Construction and installation of direct buried conduits and cables.
.5 All grubbing, clearing, excavation trenching, and backfilling to be performed by Parks Canada using Parks Canada equipment.
.6 All wiring and cabling. |
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| <u>2 Familiarization with Site</u> | .1 | It is recommended that all bidders, before submitting their tender, inspect and examine the site and its surroundings and the extent of underground facilities and shall satisfy themselves as to the form and nature of the work and materials necessary for the completion of the works, the means of access to the site, the accommodation they may require, and in general, obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. No allowance shall be made subsequently in this connection on account of error or negligence to properly observe and determine the conditions that will apply. |
| | .2 | Obtain prior permission from the Departmental Representative before carrying out such site inspection. |
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| <u>3 Codes and Standards</u> | .1 | Perform work in accordance with the 2010 National Building Code of Canada, the latest edition of the National Fire Code of Canada and any other code of provincial or local application including all amendments up to project tender closing date provided that in any case of conflict or discrepancy, the more stringent requirements shall apply. |
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3 Codes and
Standards
(Cont'd)

- .2 Materials and workmanship must meet or exceed requirements of specified standards, codes and referenced documents.

4 Setting out
Work

- .1 Departmental Representative will set stakes to define location, alignment and elevations of work. Give Departmental Representative reasonable notice of requirements for construction layout.
- .2 Departmental Representative will provide only those survey control points and set such stakes as necessary to define general location, alignment and elevations of work. Give Departmental Representative reasonable notice of requirements for such control points and stakes.
- .3 Set grades and lay out work in detail from control points and grades established by Departmental Representative.
- .4 Assume full responsibility for and execute complete layout of work to locations, lines and elevations indicated.
- .5 Provide devices needed to lay out and construct work.
- .6 Supply such devices as straight edges and templates required to facilitate Departmental Representative's inspection of work.
- .7 Supply stakes and other survey markers required for laying out work.

5 Work Schedule

- .1 Submit within seven days of notification of acceptance of tender, a construction schedule showing commencement and completion of all work within the time stated in the accepted tender. The schedule shall be sufficiently detailed to allow the Departmental Representative and the Contractor to plan, monitor and coordinate tasks and resources efficiently to achieve completion of the work on time.

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| <u>5 Work Schedule
(Cont'd)</u> | <p>.2 Submit updates of the schedule monthly and provide an explanation of necessary changes.</p> <p>.3 Schedule work in cooperation with the Departmental Representative's decision is final in regards to time and order of work.</p> <p>.4 The schedule, including all updates, shall be to the Departmental Representative's approval. Take necessary measures to complete work within approved time. Do not change schedule without Departmental Representative's approval.</p> |
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| <u>6 Cost Breakdown</u> | <p>.1 Before submitting first progress claim submit breakdown of Contract price in detail as directed by Departmental Representative and aggregating contract price. Departmental Representative will provide the required forms for application of progress payment.</p> <p>.2 List items of work by the 26 division numerical system of the Specifications and subdivide into major component or systems as directed by Departmental Representative. After approval by Departmental Representative, cost breakdown will be used as basis for progress payment.</p> |
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| <u>7 Measurement for
Payment</u> | <p>.1 Notify Departmental Representative sufficiently in advance of operations to permit required measurements for payment.</p> |
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| <u>8 Project Meetings</u> | <p>.1 Hold project meetings at regularly established times and location approved by Departmental Representative.</p> <p>.2 Notify participants of meetings.</p> <p>.3 Record minutes of meetings, distribute to participants by mail within seven days of meeting. Make revisions as directed by Departmental Representative.</p> |
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8 Project Meetings .4 Departmental Representative will arrange
(Cont'd) project meetings and assume responsibility for
setting times and recording minutes.

9 Documents .1 Maintain at job site, one copy each of the
Required following:
.1 Contract Drawings
.2 Specifications
.3 Addenda
.4 Reviewed Shop Drawings
.5 List of outstanding shop drawings
.6 Change Orders
.7 Other modifications to Contract
.8 Field Test Reports
.9 Copy of Approved Work Schedule

10 Permits .1 Apply for, obtain and pay for building permit
and other permits as required by municipal,
provincial and other local authority.
.2 Provide appropriate notifications of project
to municipal and provincial inspection
authorities. Obtain electrical compliance
certificates as prescribed by the provincial
and municipal authorities.

11 Alterations, Additions or Repairs to Existing Building .1 Execute work with least possible interference
or disturbance to building operations
occupants, public and normal use of premises
by government departments. Arrange with
Departmental Representative to facilitate
execution of work.
.2 Where security has been reduced by work of
Contract, provide temporary means to maintain
security.
.3 Provide temporary dust screens, barriers,
warning signs in locations where renovation
and alteration work is adjacent to areas which
will be operative during such work.

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| <u>12 Roughing-In</u> | .1 | Be responsible for obtaining manufacturer's literature and for correct roughing-in and hook-up of equipment, fixtures and appliances. |
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| <u>13 Cutting, Fitting and Patching</u> | .1 | The General Contractor shall ensure that cutting and patching for all trades is included in his tender price bid for the work. |
| | .2 | Execute cutting including excavation, fitting and patching required to make work fit properly. |
| | .3 | Where new work connects with existing and where existing work is altered, cut, patch and make good to match existing work. |
| | .4 | Do not cut, bore, or sleeve load-bearing members. |
| | .5 | Make cuts with clean, true, smooth edges. Make patches inconspicuous in final assembly. |
| | .6 | Fit work airtight to pipes, sleeves ducts and conduits. |
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| <u>14 Concealment</u> | .1 | Conceal pipes, ducts and wiring in floor, wall and ceiling construction of finished areas except where indicated otherwise. |
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| <u>15 Location of Fixtures</u> | .1 | Location of equipment, fixtures and outlets, etc, shown or specified shall be considered as approximate. Actual location shall be as directed and required to suit conditions at time of installation and as is reasonable. |
| | .2 | Locate equipment, fixtures and distribution systems to provide minimum interference and maximum usable space and in accordance with manufacturer's recommendations for safety, access and maintenance. |
| | .3 | Inform Departmental Representative of impending installation and obtain prior approval for actual location. |
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15 Location of
Fixtures
(Cont'd)

- .4 Submit field drawings to indicate relative position of various services and equipment when required by Departmental Representative.

16 Existing
Services

- .1 Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to pedestrian, vehicular traffic, user operations.
- .2 Before commencing work, establish location and extent of service lines in area of work and notify Departmental Representative of findings.
- .3 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility. This includes disconnection of electrical power and communication services to user's operational areas. Adhere to approved schedule and provide notice to affected parties.
- .4 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
- .5 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .6 Protect, relocate or maintain existing active services as required. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction over service. Record locations of maintained, re-routed and abandoned service lines.

17 Inspection
and Testing

- .1 Tests on materials and equipment, as specified within trade sections, is the responsibility of the Contractor except where specified otherwise herein or within trade sections.

17 Inspection
and Testing
(Cont'd)

- .2 Provide all necessary instruments, equipment and qualified personnel to perform tests.
- .3 At completion of tests, turn over two sets of fully documented tests reports to the Departmental Representative.
- .4 Unspecified tests may be made at the discretion of the Departmental Representative. The costs of these tests will be paid for by the Departmental Representative.
- .5 Where tests or inspection reveal work not in accordance with the Contract, the Contractor shall bear the cost of such tests and additional tests as the Departmental Representative requires to verify the acceptability of corrected work.
- .6 Pay costs for uncovering and making good work that is covered before inspection or testing is completed and approved by the Departmental Representative.

18 Acceptances

- .1 Prior to the issuance of an Interim Certificate of Completion, in company with the Departmental Representative, make a check of all work. Correct all discrepancies before final inspection and acceptance.
- .2 The Departmental Representative will not issue an Interim Certificate of Completion until such time that the Contractor turns over to the Departmental Representative, all specified as-builts, training and maintenance manuals, certificates of test and test results.
- .3 At completion of project, in company with the Departmental Representative, make a check of all work and correct all discrepancies and defects. Be aware that the Final Certificate of Completion will not be issued until such time that Contractor has fully completed and turned over all specified as-built project documents, training and maintenance manuals, test results and any guarantee/warranty certificates as issued by any manufacturer.

19 Works
Coordination

- .1 The General Contractor is responsible for coordinating the work of the various trades and Parks Canada, where the work of such trades and Parks Canada interfaces with each other.
- .2 The General Contractor shall convene meetings between trades whose work interfaces and ensure that they are fully aware of the areas and the extent of where interfacing is required. Provide each trade with the plans and specs of the interfacing trade, as required, to assist them in planning and carrying out their respective work.
- .3 Shop drawing review and material ordering shall only commence after this coordination has taken place between trades and all conditions affecting the work of the interfacing trades has been made known and accounted for.
- .4 Ensure coordination and cooperation between trades and all parties, in order to facilitate the general progress of the work and avoid situations of spatial interference.
- .5 Ensure that each trade provides all other trades reasonable opportunity for the completion of the work and in such a way as to prevent unnecessary delays, cutting, patching and the need to remove and replace completed work.
- .6 The Departmental Representative will not be responsible for or held accountable for any extra costs incurred as a result of the failure to carry out coordination work. Disputes between the various trades as a result of their not being informed of the areas and extent of interface work shall be the sole responsibility of the General Contractor and shall be resolved by him at no extra cost to the Contract.

20 Bilingual
Notation

- .1 Any items supplied and installed under this contract which have operating instructions on them such as door hardware, washroom accessories, push button activation controls powered hand dryers, mechanical equipment such as water coolers, etc., and which can be expected to be used by the publicbuilding tenants, must have such operating instructions in bilingual format - English and French.
- .2 Factory embossed or recessed symbols illustrating equipment operation is an acceptable alternate to lettering.
- .3 Items supplied with factory - embossed or recessed lettering in one official language with an applied sticker or decal representing the second official language is not acceptable unless the Departmental Representative gives prior approval before any such items are ordered.
- .4 Internationally recognized color coding such as red and blue center pieces for plumbing brass is acceptable.
- .5 Departmental Representative will not be responsible for re-stocking or re-ordering costs incurred by the Contractor as a result of his failure to ensure bilingual designation on such items.
- .6 The Contractor is responsible for ensuring that all trades are made aware of these requirements.

21 Building
Smoking
Environment

- .1 Comply with smoking restrictions.

22 Asbestos
Discovery

- .1 Demolition of spray or trowel-applied asbestos can be hazardous to health. Should material ressembling spray or trowel-applied asbestos be encountered in course of work, stop and notify Departmental Representative immediately. Do not proceed until written

PWGSC
Newman Sound
Campground,
Electrical Upgrade
Parks Canada, NL
Proj No R.066138.001

General Instructions

Section 01 10 10
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22 Asbestos
Discovery
(Cont'd)

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instructions have been received from
Departmental Representative.

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