

## Schedule "A" - Scope of Work, Trade Specific Requirements

The Work included in this Section shall comprise the provision of all required and necessary labour, materials, tools, equipment, premiums, freight, fuel, hoisting, craneage, consumables, engineering, insurance, licenses, permits, fees, safety measures, working platforms, delivery, unloading, handling, general requirements, competent supervision, project/office management, overhead & profit, means, methods, and all else necessary or required for the proper execution of the Work as described or inferred on the drawings, specifications, Quote Documents, applicable regulations & codes, and schedule, and shall include, but not necessarily be limited to, the following to perform a complete scope of Work:

1 Work should be performed in accordance with the Contract Documents, inclusive of all requirements under Division 0 and Division 1. In the event of apparent or actual conflicts arising out of project and scope of work requirements, the most stringent condition shall take precedence.

2 By signing this contract, this Subcontractor accepts the terms and conditions of the Supply Agreement

3 Supply of Two (2) Siemens High Voltage Circuit Breakers Type SPS2-72-40-1200-IPO. Description: SPS2-72-40-1200-IPO:  
69kV nominal voltage

40kA maximum symmetrical interrupting capability 1200A maximum continuous current

Capable of -40°C operation without tank heaters

73 inch creep porcelain bushings rated 350kV BIL @ 3300 feet ASL 3-cycle, 60Hz, spring-spring operated

Independent pole Operation, Common Frame mounted outdoor Circuit Breaker With PSD (synchronous controller)

Bushing Current Transformers (total 12 BCT's):

Bushings 1-3-5: (6) 600:5 MR C400, MR RF 2.0

Bushings 2-4-6: (6) 600:5 MR C400, MR RF 2.0

Synchronous controller shall be factory installed in the breaker main control cabinet. Circuit Breaker(s) will be equipped and furnished as follows:

Control and Operator Power Requirements:

Control supply voltage: 125 VDC

Spring charge motor supply voltage: 125VDC Accessory supply voltage: 120 VAC

Heater supply voltage: 120 VAC Options Included:

Fused knife switches (close / motor / heater circuits)

One close coil two trip coil

Temperature compensated density switch and gauge per pole Control switch

Local / remote selector switch LED position indicator lights Emergency trip

Cabinet light with guard and door activated switch GFCI duplex outlet in control cabinet Thermostatically controlled cabinet heaters

Auxiliary switches with 8a and 8b spare contacts for customer use Trip circuit monitoring

Anodized aluminum nameplates according to IEEE/ANSI standards #14 AWG Type SIS control wiring

NEMA 4-hole tin-plated aluminum terminals NEMA type 3R control cabinet

Standard installation toolkit included SF6 fill gas included

4 Warranties, which will commence from for a period of one (1) year from the date of Substantial Performance of the Project or February 27, 2019. Whichever occurs earlier.

5 All required onsite assembly of equipment. Including coordination with installing contractor (if required). Contractor TBD.

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6 Delivery is FOB to job site: 1655 Maple Street, Okanagan Falls, BC. Delivery date of January 25, 2019.

7 Shop Drawings to be submitted 8 weeks after receipt of LOI. Including:

- 1 Set of electronic AutoCAD approval drawings

- 1 Set of electronic AutoCAD certified drawings and 1 set shipped in the circuit switcher control cabinet

- 1 Instruction book in PDF format and 1 Instruction book shipped in the circuit switcher control cabinet

8 Site acceptance testing & Factory Acceptance Test. Including:

- Synchronous controller shall be pre-configured and tested in the factory

- 1 day of Synchronous controller commissioning per breaker on Site is offered at no charge.

- Coordination with commissioning agent as required.

9 Submittal of all required documentation for the O&M manual (1 Instruction book in PDF format and 1 Instruction book shipped in the circuit switcher control cabinet) required prior to final payment.


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### Schedule B - List of Construction Documents

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Type	Discipline	Set	Doc. No.	Ver. #	Date	Description
Drawing	Electrical	Issued for Tender			05-25-2018	Substation Civil Drawings and Specifications
Drawing	Electrical	Issued for Tender		1	08-17-2018	Substation Drawings



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## 4.1 Outline Drawing

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