

Job Description Details

Construction Technologist	
Location: Prince George	
Department: Construction Services, Project Planning and Coordination Department	
<p>Construction Services is an internal construction department within BC Hydro. We employ tradespeople and technologists. We build and maintain generation, transmission, distribution, non-integrated, and telecommunication assets within the BC Hydro System. We have specialized tradespersons working in the line, electrical, civil, mechanical, and winder disciplines.</p>	
<p><u>Basic Purpose:</u></p>	
<p>Performs a variety of duties related to the planning, estimating, scheduling and field coordination activities related to construction projects.</p>	
<p><u>Major Responsibilities and Duties (to fulfill major purpose):</u></p>	
<ol style="list-style-type: none"> 1. Preparing detailed cost estimates by considering engineering specifications and contract conditions; researching, analyzing and recommending best methods and procedures to minimize labour and equipment requirements, associated costs and/or scheduling impacts; revising estimates and schedules. 2. Preparing quantity takeoffs for a wide range of materials and components; preparing quantity and costs calculations on the direct costs of material and components by using either established unit cost and productivity rate information or estimating from base information; assessing risk situations and allows for in estimating process and pricing of work. 3. Applying established markups to direct cost components to ensure recovery of full overhead expense. 4. Preparing work schedules and coordinates activities on assigned projects. May be required to design drawings including drafting and perform survey of sites. Also may be operating various electrical testing equipment in order to prepare a variety of detailed technical reports; maintaining project progress data such as graphs, charts, etc.; advising managers when discrepancies or changes to work plan are required. 5. Compiling the schedule of pay items for estimates, bid submissions and sub-contract tender documents as required; compiling comparative summaries of quantity and cost calculations from contractors' submissions for use in bid analysis; verifying quantity calculations made by others to ensure accuracy of information. 6. Obtaining technical information and costs for material and equipment from suppliers; reviewing drawings, specifications and material lists; preparing documentation for procurement of construction materials, equipment and subcontracts. 7. Maintaining up to date records of equipment costs; production rates and materials costs related to construction projects. 8. Reviewing Cost/Progress Reports to compare projected costs with estimated costs; determining effects of scheduling changes on project costs. 9. Providing technical advice and coordination to field crews and a variety of other internal and external resources relating to construction project activities; participates as a member of construction project teams, as required. 10. Performing duties of a minor nature related to the above duties which do not affect the rating of the job. 	

Skills, Knowledge and Abilities Required:

- Excellent knowledge of either an Electrical, Power Line Technician or Civil discipline with a working knowledge of at least one of the other disciplines.
- Knowledge of construction project management practices and principles.
- Knowledge of all related standards and codes related to the applicable discipline.
- Construction knowledge related to operation and maintenance of generation, substation and transmission & distribution facilities and all their interrelated equipment.
- Ability to provide technical direction and work coordination to construction trades.
- Good knowledge of accounting processes and ability to discuss and explain financial aspects of projects with technical staff.
- Ability to assist in the preparation of contracts and requisitions for proposals.
- Excellent computer applications skills for a variety of systems related to design, construction project estimating, scheduling & costing and project management functions.
- Ability to read construction drawings and do quantity take offs
- Excellent analytical skills with ability to assess job cost and schedule reports and recommend action as required.
- Excellent construction estimating and scheduling skills.
- Project team leadership / participation skills.
- Good interpersonal and written communications skills.
- Ability to read and prepare non-routine technical reports.
- Possess a valid BC driver's licence.

Working Conditions:

Work is performed within both an office and fieldwork site environment. Fieldwork frequently involves exposure to inclement weather conditions and exposure to hazards from construction, operation and/or testing equipment when at field sites. Frequent driving.

Experience, Training and Education (demonstrating requirements):

Graduation with a Diploma of Technology from an institute of technology in either an electrical, civil, or mechanical discipline or equivalent. Training in construction project management is also beneficial. Applicable experience in the construction, design, operation, maintenance and testing of hydroelectric generation, transmission/distribution and station facilities and related equipment is preferred.

TO APPLY:

Send a copy of your Resume to kevin.danbrook@bchydro.com