

1 Q. **Project C-53: Upgrade Corner Brook Frequency Converter, Corner Brook**

2 Please provide details of a cost breakdown of each component of this Project,
3 namely:

4 (a) the cost of the stator rewind;

5 (b) the cost of stator cleaning;

6 (c) the cost of rotor cleaning;

7 (d) the cost of exciter refurbishment;

8 (e) the cost of replacement of bellows between the air outlets; and

9 (f) the cost of installation of fans and air ducting to provide ventilation

10 in the transformer vault,

11 including, with reference to Table 1: Budget Estimate, the portion of Material
12 Supply, Labour, Consultant, Contract Work and other Direct Costs attributable to
13 each component.

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16 A. In addition to the scope components outlined in the question, the replacement of
17 the rotor pole wedges is included in the project scope. The cost breakdown for each
18 component of this Project is included in Table 1:

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Table 1: Project Budget Estimate Cost Breakdown¹

Project Cost:(\$x1,000)	<u>Stator Rewind</u>	<u>Rotor Wedge Repl.</u>	<u>Stator Cleaning</u>	<u>Rotor Cleaning</u>	<u>Exciter Refurb.</u>	<u>Bellows Replacement</u>	<u>Ventilation</u>
Material Supply	4.1	0.3	0.1	0.1	0.1	0.1	0.2
Labour	445.7	37.8	14.3	14.3	22.7	21.0	21.9
Consultant	97.4	8.3	3.0	3.0	1.7	2.6	4.1
Contract Work	1178	100.0	36.0	36.0	20.0	31.0	50.0
Other Direct	102.7	8.7	3.4	3.4	0.7	1.0	1.7
TOTAL	1827.9	155.1	56.8	56.8	45.2	55.7	77.9

¹ Note, breakdown does not include contingency, interest or escalation.