QUESTIONS AND ANSWERS

Q14. Will the concrete of phase 1 under the guides be bush hammered?
R14. There is no requirement to bush hammer the concrete in the gate embedment recesses, nor will they be bush hammered by others.

Q15. The spec's dimensions requirements for MCC are:

Height 1500mm
Length 2050mm
Depth 500mm

When we follow MCC standards design requirements we come up with bigger dimensions.
We have 3 options:
1. Provide bigger MCC, not respecting spec's dimensions : Height 1676mm (1500mm Spec), Length 2540mm (2050mm Spec), Depth 1000mm (500mm Spec)
2. Supply an MCC, respecting spec's dimension, but with busbar for main horizontal and cable for branch (Section 26 24 19, Part 2 article 0.3 and 0.5)
3. Supply of control panel, not MCC for hoist and gain/gate heaters, respecting spec's dimensions.
Which of these three options could be acceptable?

R15. Bidders must be reminded this is not a typically MCC installation. The main power distribution will be on the east end of the dam as shown on the IFT drawings. This results in lower power being sent to the MCC's on the deck of the dam. Given the reduced loads, busbars are not required in the MCC's. The MCC's must be kept as small as possible, which is why they have been split and the main power distribution occurs on the east end of the dam. To summarize, Option 1 is not acceptable and Option 2 does not require busbars. With regarding to Option 3, The supply of a control panel is acceptable, provided no controls protrude through the cabinets or cabinet doors (to protect them from the elements). The control panel must have gate heater controls, gain heater controls, high/low heat settings, and motor overload controls in an area segregated from the high and low voltage systems, within the cabinet, in accordance with applicable codes. Following contract award, the successful bidder can provide a proposal on the layout and accessibility of the control panel for approval by PSPC.