Dominica Geothermal Development Company Limited

CONCERNING BIDDING DOCUMENTS
FOR

DESIGN, SUPPLY, AND INSTALLATION
PROCUREMENT OF

(i) New 2.2kV/11kV/33kV/69kV Substations and
(ii) New 11kV/33kV/69kV OHL and UGC Transmission Lines
(Geothermal Power Plant to Fond Cole)

REFERENCE: DM-DGDC-384816-CW-RFB

Response to Bidders' Questions

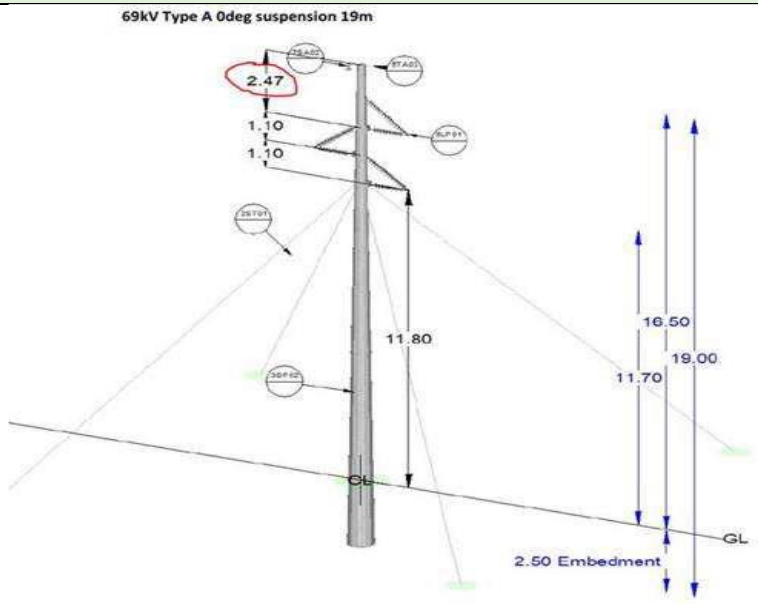
Response No. 8

February 14, 2024

No.	RFB Ref.	Question or Comment	Owner's Response	Attach-ment	Supporting Clarification or Addendum
91	Part II, Section B OHL, Clause 22, Pg No. 147	It specified that a) Training at the Employer offices for PLS Cadd, PLS Pole, GIS Asset management. b) Provision of on-site training with regard to structure erection methods and emergency structure restoration We request to clarify the folliowing point regarding both training i.e Software & On Site: 1. Number of Employer persons for which training is to be conducted. 2. Duration of the training.	The intention is to ensure that by the end of the project, the Employer has staff competent in (a) the use of PLS Cadd and Global mapper. It would be preferrable that the training is given as ongoing day by day training over the duration of the project. (b) structure erection and use of emergency restoration systems. See Addendum for minimum requirements However minimum requirements are as follows: PLS Cadd: A formally accredited 4 day course from Power Line Systems. plus one 2 week one-on-one training on site, to be provided at the beginning of the project. Global Mapper: A two week one-on one training on site, to be delivered at the beginning of the project.	None	See Addendum No. 6, Item #2

No.	RFB Ref.	Question or Comment	Owner's Response	Attach-ment	Supporting Clarification or Addendum
			Provision of on-site training with regard to structure erection methods and emergency structure restoration: A three-week course shall be delivered to DOMLEC team, after delivery of the ERS structures.		
92	In Pre – Bid meeting, Slide 21/26 Section II BDS - ITB 17.1 OHL PART II SECTION B PARTICULAR REQUIRE-MENTS FOR OHL DGDC 16 Oct 23	As per "Prebid meeting presentation" Slide 21 of 26, it is mentioned that the contract basis is Lump sum. Also, in Section II BDS, it stated that "*Bidders shall quote for the following components or services on a single responsibility basis: for the whole scope. Prices quoted for the contract shall correspond to 100 percent of Employer's Requirements (Section VII) and the items specified for the contract*." However, in Part II Section B of OHL, it is stated that "*The final quantities shall be determined from the final design*." Accordingly, we understand that for OHL portion, **the contract value shall be amended in accordance to the final quantities after the completion of final design and final survey**. Please confirm our understanding is correct.	This is a lump sum contract. The quantities and design details are indicative only. The Contractor is to provide a lumpsum price based on his quantities and design to meet the Employer's Requirements (Section VII) The unit price for each item is the contractual price used for any amendment of the initial contract in the future.	None	None

No.	RFB Ref.	Question or Comment	Owner's Response	Attach-ment	Supporting Clarification or Addendum
93	OHL PART II SECTION B PARTICULAR REQUIRE-MENTS FOR OHL DGDC 16 Oct 23 Steel Monopole	Please confirm, steel monopole structures need to design for Earthquake resistance or not. If yes, please provide the parameters to design the same.	See **Earthquake Region** in PART II SECTION A GENERAL REQUIREMENTS SUBS FOR OHL AND UGC, Section 1.3.3 CLIMATIC AND GEOLOGICAL CONDITIONS.	None	None
94	OHL PART II SECTION B PARTICULAR REQUIRE-MENTS FOR OHL DGDC 16 Oct 23 Annexure	As per provided drawing (69kV Type A 0deg suspension 19m pole) and below snapshot, the height from top of the pole to the top conductor is 2.47m then the total height of the pole is 18.97m but as per overall height 19m the height from top of pole to the top conductor is 2.5m. Kindly confirm.	19m is nominal pole length, for pricing purposes. The 30mm difference is irrelevant detail, as the drawings are indicative. The Contractor is responsible for the detailed design and final dimensions.	None	None

No.	RFB Ref.	Question or Comment	Owner's Response	Attach-ment	Supporting Clarification or Addendum
					
95	OHL PART II SECTION B PARTICULAR REQUIRE- MENTS FOR OHL DGDC 16 Oct 23	As per provided (PART II SECTION B PARTICULAR REQUIREMENTS FOR OHL DGDC 16 Oct 23) specification the wind speed is considered is 35 m/s for pole height lies between 0 to 30m. Please confirm.	Confirmed. **Important notes:** **1. Normal Conditions:** It is normal to specify only Vb (28m/s), and IEC 60826 height adjust. Most countries in the world have Vb between 27 and 30m/s. IEC 60826 wire and wind height adjust calculation are used to determine the actual wind at different heights, for example V(30m) = 35m/s, and V(100m) =	None	None

<table>
<tr><th>No.</th><th>RFB Ref.</th><th>Question or Comment</th><th>Owner's Response</th><th>Attach-ment</th><th>Supporting Clarification or Addendum</th></tr>
<tr><td></td><td></td><td></td><td>45m/s, depending on the height of the towers.
2. Extreme Conditions: Separately is considered an additional hurricane wind of 80m/s as tower strength requirement. The direction of the wind on the steel monopoles is to be considered in a range of 0 to 360°in increments of 30 degrees, wind on all faces. The highest value shall be selected.</td><td></td><td></td></tr>
<tr><td>96</td><td>OHL
PART II
SECTION B
PARTICULAR
REQUIRE-
MENTS FOR
OHL DGDC
16 Oct 23</td><td>As specified in specification (PART II SECTION B PARTICULAR REQUIREMENTS FOR OHL DGDC 16 Oct 23) and our understanding the deflection criteria for different load case is mentioned below.

Please confirm our understanding is correct.
<table><tr><th>Load case</th><th>Deflection limit</th></tr><tr><td>RELIABILITY CONDITION 0°,30° & 45° - TRANSVERSE WIND- NC</td><td>5.5 % of pole height</td></tr><tr><td>SECURITY BROCKEN WIRE CONDITION</td><td>7 % of pole height</td></tr><tr><td>CONSTRUCTION AND STRINGING CONDITION</td><td>1.5 % of pole height</td></tr></table></td><td>Confirmed</td><td>None</td><td>None</td></tr>
</table>

No.	RFB Ref.	Question or Comment	Owner's Response	Attach-ment	Supporting Clarification or Addendum
97	Request for Extension of Submission Due Date	As the above clarifications are pertaining to contract basis and monopole design which will have critical impact the price working. In order to prepare best and technically complaint bid, we will need more time. Hence, we request to extend the Submission Due date by at least 5 to 6 weeks.	See Addendum No. 6. The bid submission deadline was extended to 29 March 2024. This is the last extension.	None	Addendum No. 6 Item # 3 - # 6
98	Addendum No.3 Sr. No. 2	The Fault Current required for 69 kV 1C x 240 Sq.mm Al Cable is 25 kA/sec but 240 Sq.mm Al Conductor can carry Fault current of 22.7 kA/sec only. Kindly confirm the fault current rating of conductor to be supplied.	See Addendum No. 6	None	See Addendum No. 6, Item #1
99	Request for a new extension of Tender Due Date (now at Feb 15th 2024)	After having gone through the tender documents of the project, we would be pleased if you could allow bidders for a 1-month extension for answering.	See Addendum No. 6. The bid submission deadline was extended to 29 March 2024. This is the last extension.	None	Addendum No. 6 Item # 3 - # 6
100	Section VIII – General Conditions of Contract. C. Payment 12. Terms of Payment	**Contract terms of payment.** Could you please confirm that the payments of contract terms will be direct payment from the Bank to the Contractor?	Direct payment from the Bank to the Contractor will be used for payment amounts more than the threshold set by the Bank. Payments for smaller amounts will be made from the Employer to the Contractor. The threshold Is USD 300,000	None	None