



ADDENDUM # 05 OF 05

Project Name: A&E Services for Critical Infrastructure, Seismic Upgrades & Space Optimizations in Nairobi, Kenya
Project No.: B-NROBI-102
Solicitation No.: ARL-CONST-NROBI-16029
Date: 10 NOVEMBER 2016

The following supplements and/or supersedes the request for proposals documents issued on 26 SEPTEMBER 2016. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. Any change to the cost of the work as a result of this addendum is to be included in the price proposal. The following revisions supersede the information contained in the original Request for Proposals Package for the above-mentioned project to the extent referenced and shall become part thereof.

1. Question 1: Please clarify if the Probabilistic Seismic Hazard Assessment, Site Geotechnical Investigation and Non-Linear Time History Analysis are to be completed OR reviewed by the successful proponent.

In Appendix "A"- Statement of Work, 3.1.2.d. it's stated that the Consultant is to "review the following existing" reports:

- i. Preliminary Building Envelope, Structural, and Space Optimization Study....*
- ii. Probabilistic Seismic Hazard Assessment*
- iii. Site Geotechnical Investigation*
- iv. Non-Linear Time History Analysis*

Response 1: The existing reports are to be reviewed by the successful proponent:

- i. Preliminary Building Envelope, Structural, and Space Optimization Study....*
- ii. Probabilistic Seismic Hazard Assessment*
- iii. Site Geotechnical Investigation*

The "Non-Linear Time History Analysis" will not be reviewed by the successful proponent.

2. Question 2: Please clarify if the following documents are to be completed OR reviewed by the successful proponent.

The Project Brief, P.18, Paragraph 4.1.1.2 states:

Proponent is to review the following reporting and assessment documents as part of the Project Analysis phase:

- a) Preliminary Building Envelope, Structural and Space Optimization Study....*
- b) Site Geotechnical Investigation (to be provided to the successful proponent);*
- c) Golder Associates – Evaluation of Surface Fault Displacement and Earthquake Ground Shaking Hazards, Canadian Chancery, Nairobi, Kenya – December 2001 (to be provided to the successful proponent);*
- d) Complete set of original structural tender drawings dated February 2000 (to be provided to the successful proponent);*
- e) Appendix A - Seismic Hazard Desktop Study by ARUP, dated May 2, 2012 (to be provided to the successful proponent);*

Response 2: The existing reports are to be reviewed by the successful proponent. Note that this study was done based on the 2010 NBCC and is based on a nearby location.

3. Question 3: Please clarify if the Probabilistic Seismic Hazard Assessment and Site Geotechnical Investigation are to be completed by the successful proponent.

The Project Brief, P. 19, Paragraph 4.3.1.1 states:

- a) **The Consultant shall** complete an update to the PSHA by undertaking a Site Specific Hazard Assessment.
- b) **The Consultant shall** undertake a geotechnical investigation to confirm soil bearing capacity, slope-stability, earthquake induced lateral soil loads, stability of the underlying fault, and the Vertical Seismic Profile (VSP) of the soil.

Response 3: The existing PSHA (which will be provided to the successful proponent) must be updated and completed by the successful proponent based on the 2015 NBCC for our specific site. The existing geotechnical investigation (which will be provided to the successful proponent) must be updated and completed by the successful proponent based on the 2015 NBCC for our specific site as an update to the existing geotechnical studies.

4. Question 4: Please clarify if the Non-Linear Time History Analysis is to be completed by the successful proponent.

The Project Brief, P.20, Paragraph 4.3.1.2 states:

- a) *The seismic analysis shall be completed following the **non-linear time-history method**.*

Response 4: The seismic analysis must be completed by the successful proponent in accordance with the Non-Linear Time History Analysis method in accordance with the 2015 NBCC for the design of the seismic structural upgrades (reinforcing.)

5. Question 5: Regarding Addendum #4 and Question #16, what is the basis or intent for allowing a non-professional to take on the role of Consultant (principal)?

Response 5: The intention is that the future drawings would be signed off by the senior architect of the firm but that the role of consultant (point of contact for the firm) does not have to be the senior architect.

End of Addendum # 5