

**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF FINANCE AND ECONOMIC AFFAIRS**



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Ref: IFB MCAT/COM/0048

Date: December 23rd, 2009

IFB Amendment 1

**Invitation for Bids MCAT/COM/0048
For Procurement of Design and Build Contractor for**

**SUBSTATION WORKS: ZANZIBAR INTERCONNECTOR
AND DISTRIBUTION SUBSTATIONS REHABILITATION AND EXTENSION**

Amendment 1 of IFB MCAT/COM/0048 is issued to amend the following:

- A. Amend Section II of the IFB - Bid Data Sheet.
- B. Amend Section IX of the IFB - Employers Requirements.

A.						
Section II Bid Data Sheet	<p>ITB 7.2 shall now read:</p> <p>A Site visit shall be organized.</p> <p>A nine (9) day Site visit shall take place at the following date, time and place: Dates: 10 to 18, January 2010 Time: As stated below: Place: As stated below:</p> <table border="1" style="width: 100%;"> <tr> <td>10 January 2010 - Day 1: Travel to Mbeya stay overnight in Mbeya</td> </tr> <tr> <td>11 January 2010 - Day 2: Meet at TANESCO Regional Office in Mbeya at 08.00 hrs local time. Visit to Iyunga, new site for Mafiati and Mwakibete Substations. Travel to Iringa in the afternoon stay in Iringa overnight.</td> </tr> <tr> <td>12 January 2010 - Day 3: Meet at TANESCO Regional Office in Iringa at 08.00 hrs local time. Visit to Sabasaba and Tagamenda Substations. Travel to Morogoro in the afternoon. On the way visit Mikumi Substation. Overnight in Morogoro</td> </tr> <tr> <td>13 January 2010 - Day 4: Meet at TANESCO Regional Office in Morogoro at 08.00 hrs local time. Visit to TANESCO Office, Msamvu and Tung Substations. Travel Dodoma in the afternoon and visit Zuzu Substation. Overnight in Dodoma</td> </tr> <tr> <td>14 January 2010 - Day 5: Meet at TANESCO Regional Office in Dodoma at 08.00 hrs local time. Visit to Mnadani, Mzakwe and Kondoa substations. Return to Dodoma and stay overnight.</td> </tr> </table>	10 January 2010 - Day 1: Travel to Mbeya stay overnight in Mbeya	11 January 2010 - Day 2: Meet at TANESCO Regional Office in Mbeya at 08.00 hrs local time. Visit to Iyunga, new site for Mafiati and Mwakibete Substations. Travel to Iringa in the afternoon stay in Iringa overnight.	12 January 2010 - Day 3: Meet at TANESCO Regional Office in Iringa at 08.00 hrs local time. Visit to Sabasaba and Tagamenda Substations. Travel to Morogoro in the afternoon. On the way visit Mikumi Substation. Overnight in Morogoro	13 January 2010 - Day 4: Meet at TANESCO Regional Office in Morogoro at 08.00 hrs local time. Visit to TANESCO Office, Msamvu and Tung Substations. Travel Dodoma in the afternoon and visit Zuzu Substation. Overnight in Dodoma	14 January 2010 - Day 5: Meet at TANESCO Regional Office in Dodoma at 08.00 hrs local time. Visit to Mnadani, Mzakwe and Kondoa substations. Return to Dodoma and stay overnight.
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	<p>15 January 2010 - Day 6: Travel to Tanga and see Songa Substation on the way. Return to Dar es Salaam.</p> <p>16 January 2010 - Day 7: Meet at TANESCO Head Office, Umeme Park Building, Ubungo at 08.00 hrs local time. Visit Ubungo and Tegeta Substations and Ras Kiromoni cable termination site.</p> <p>17 January 2010 - Day 8: Meet at ZECO Head Office, Stone Town, Zanzibar at 10.00 hrs local time. Visit Mtoni Substation and Ras Fumba cable termination site. Travel to Dar Es Salaam in the afternoon.</p> <p>18 January 2010 - Day 9: Meet at Mwanza Regional Office at 10.00 hrs local time. Visit Nyakato, Mkuyuni and Nyasaka Substations. Travel to Dar es Salaam in the afternoon (this will require air travel to Mwanza and back).</p> <p>All registered Bidders are encouraged to attend a nine (9) day site visit followed by a Pre-Bid Conference to be held on the tenth (10th) day.</p> <p>Please note that Bidders are responsible for arranging and funding their own transportation and if required accommodation. This shall include, but may not be limited to:</p> <ol style="list-style-type: none"> (1) Passage into and out of Tanzania, including obtaining any entry visas; (2) Ground transportation to the mainland meeting point (address to be advised) and to the sites (unless a flight is indicated as being required for the site visit); (3) Sea or air transit to and from Zanzibar and air transit to and from the mainland sites indicated as being required for the site visit); (4) Ground transportation to the Zanzibar meeting point and to and from the airport to the site transit to and from the mainland sites indicated as being required for the site visit); <p>Attendance is limited to a maximum of three (3) persons per Bidder, for logistics and safety reasons. The name, nationality and Passport number of attendees must be provided to MCA-T in writing no later than Wednesday 6th January, 2010 to MCA-T Procurement Agent (Crown Agents) Development House, Kivukoni Front/Ohio Street, Dar es Salaam, Tanzania Fax: +255 (0)22 213 5702. Email: mca-tprocurement@crownagents.co.tz copied to The Procurement Director, Marieth Ngaida at email : mngaida@mca-t.go.tz</p>
Section II Bid Data Sheet	<p>ITB 7.4 shall now read:</p> <p>A pre-bid meeting shall be held.</p> <p>The pre-bid meeting shall take place at the following date, time and place:</p>

	<p>19 January 2010</p> <p>Bidders shall meet at the "New Conference Room" at The Ministry of Finance and Economic Affairs at 09:00 Hours local time on Thursday, 19th, January 2010.</p> <p>Site details are as follows:</p> <p>The Ministry of Finance and Economic Affairs Junction of Shaban Robert Street and Madaraka Road (Opposite The State House) Dar es Salaam, United Republic of Tanzania</p>
B.	
Section IX Employer's Requirements	<p>IFB Part III Section IX Part 1.1 (Area for new substations) shall now include the following:</p> <p>Preliminary plot sizes for new substations:</p> <ul style="list-style-type: none"> • Kange 50x60m • Kasiga 50x60m • Mkuyuni 21x90m • Mnadani 30x40m • Nyasaka 30x50m • Sahare 65x80m • Songa 50x50m
Section IX Employer's Requirements	<p>IFB Part III Section IX Part 1.1 (Existing busbar types) shall now include the following:</p> <p>All substation busbar extensions under this development are with ACSR conductor. The current TANESCO standard for busbars is 150sq. mm ACSR.</p>
Section IX Employer's Requirements	<p>With regard to IFB Part III Section IX Part 1.2 S/N 11 MIKUMI - the following words shall be removed: "Not in TOR".</p>
Section IX Employer's Requirements	<p>With regard to IFB Part III Section IX Part 1.1 & 1.2 and Part III Section IX Part 2.1 S/N 9 Lead Acid Batteries and chargers (DC supply time) shall now include the following:</p> <ul style="list-style-type: none"> ➤ The minimum standby battery requirement for 33/11kV substations is 8 hours. ➤ The minimum standby battery requirement for 132kV and above substations is 24 hours.
Section IX Employer's Requirements	<p>With regard to IFB Part III Section IX Part 1.1 & Part 1.2 (33kV AIS switchyards configuration) shall now include the following:</p> <p>For the following "Green Field Substations" a single transformer/feeder bay is required at the primary voltage (33kV):</p> <ul style="list-style-type: none"> ➤ Mafiati (R014-030) ➤ Mkuyuni (R014-035) ➤ Mnadani (R014-036)

- Make (R014-041)
- Nyasaka (R014-037)
- Sahare (R014-040)

In addition clause 3.1 shall be amended as follows:

Delete:

- ~~33 kV AIS busbar complete with sectionalising bay with two sectionalising disconnects.~~

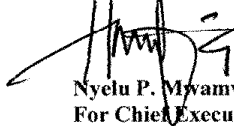
Replace with:

33kV Transformer/Feeder Bays

The main items

Qty	Item	Rating
1	33kV 3-Phase Circuit Breaker (Q0) (Spring Charge Mechanism)	33kV, 630A 25kA withstand for 3 sec
1	33kV 3-Phase Manual Line Disconnect (Q9) and Earth Switch (Q52)	33kV, 630A 25kA withstand for 3 sec
3	33kV Current Transformer (T1)	Ratio 600, 300/1,1,1 A Core 1 : 15 VA CL 0.5 Fs5 Core 2 : 30 VA CL 5P20 Core 3 : 30 VA CL 5P20 Extended Current Rating 120%
6	33kV Zinc Oxide Surge Arrester	33kV, 20kA Class 3

Sincerely



Nyetu P. Myamwaja
For Chief Executive Officer