

Republic of the Union of Myanmar
Telecommunications Sector Reform Project
SPECTRUM MONITORING SYSTEM

Credit No. 5353-MM.

Pre-bid Conference Minutes

Tender Title: Procurement of Spectrum Monitoring System (SMS)

ICB Number: G1.3.1

Date: March 14, 2016

Time: 10 a.m. local time.

Venue: Office of the Project Director, Posts and Telecommunications Department, Office Building No. 2, Naypyitaw, Zip Code: 15011

Date/Time : 15.3.2016/10:00 AM – 12:30 PM

Meeting Place : MCIT Office, Naypyitaw, Myanmar

Participated Organizations

Sr. No.	Organization
1	Posts and Telecommunications Department (PTD)
2	Life and Challenge Co., Ltd.
4	A&D Engineering Co.,Ltd.
5	Barons Telelink Co.,Ltd.
6	GTMH Co.,Ltd.
7	Solutions Hub Co.,Ltd.
8	CETC Co.,Ltd.
9	NEC Corporation
10	TWC Co.,Ltd.
11	COMIT Myanmar Co.,Ltd.
12	Global Technology Co.,Ltd.
13	R&S Asia Pte Ltd.

Purpose of the Conference:

To discuss to the prospective bidders , among things, Bidding Procedures, Bidding Forms, Bid Data Sheet, Supply Requirement(including the technical specifications), conditions of contract as stipulated in the Bidding Documents of the procurement of Spectrum Monitoring System (SMS). To review the Bidding Documents in the presence of the bidders and if there are discrepancies noted then and to issue supplemental bid bulletin. (This pre-bid conference was held according to the schedule and within its time frame.)

Agenda

- **Introduction**
- **Topics for the Discussion and Order of Presentations**
- **Questions and Answers**

1. Introduction

U Soe Naing, Director of Spectrum Monitoring and Standardization Division of PTD opened the pre-bid conference and explained the purpose of the conference.

2. Topics for the Discussion and Order of Presentations

Mr.Mario, consultant of PTD, explained Bidding Procedures, Bidding Forms, Bid Data Sheet, Supply Requirement(including some technical specifications), conditions of contract as stipulated in the Bidding Documents of the procurement of Spectrum Monitoring System (SMS).

3. Questions and Answers

Some interested organizations asked questions that they want to be clear and Director U Soe Naing and consultant of PTD, Mr. Mario answered the questions and also requested to interested organizations more questions can be sent to their emails and answers will be posted on MCIT website within 3 or 4 days.

4. Closing of the meeting

The Director of PTD thanked to all participants for coming to Naypyitaw and attending the conference and showing of their interest and finding of their opportunity in the Spectrum Monitoring System of PTD, Myanmar.

Questions and Answers during the pre-bid conference

#	Question	Answer
1.	3 Evaluation and Qualification Criteria (P. 42,43) Regarding the Post-qualification requirements,(1) It says the lowest-evaluated bid(or bidder) will be determined at the first qualification, how many bid will be determined for the post-qualification?	Please refer to Q&A document Question # 42
2.	3 Evaluation and Qualification Criteria (P. 43) 2) about the experience requirements, it says the value of 3 contracts must be greater than 50% of the value of the Bid. The question is, this qualification criteria going to pass or fail only as result or to be scoring evaluation out of all scores?	Please refer to Q&A document Question # 43
3.	(7 Schedule of Requirements) P.126 Types of modulation - identification, analyses and measurements: What is the definition of 'identification' work?	Please refer to Q&A document Question # 44
4.	(7 Schedule of Requirements) P.121, 123, 125 Generally speaking, Single Station Location (SSL) is the system to find where the unknown signal is. In this case, should it be the direction only or the location in the definition of this RFP?	Please refer to Q&A document Question # 45
5.	(7 Schedule of Requirements) P.125 Digital Measurements: Pulse, FSK, BPSK, DQPSK, GMSK What kind of parameter should be measured in detail?	Only spectrum measurements are required, decoding and demodulation of digital systems are not in the scope of this tender

#	Question	Answer
6.	<p>(7 Schedule of Requirements) P.127 Spectrum analysis/measurements for the following systems; (Analog, Digital FM Broadcast GSM/EDGE/EDGE Evolution, WCDMA/HSPA+ , LTE,CDMA 2000, 1xEV-DO, WLAN WiMAX The handheld spectrum) :What kind of parameter measurement should be operated exactly? Does it include decoding and demodulation work?</p>	Please refer to Q&A document Question # 46
7.	<p>(7 Schedule of Requirements) P.127 What the work scope of common modulations? Does it include the decoding work to the digital signal as well?</p>	Please refer to Q&A document Question # 47
8.	<p>(7 Schedule of Requirements) P.132 What is the definition 'Detection mode'? Does it mean that identification work to these modes?</p>	Please refer to Q&A document Question # 48
9.	<p>1) Referring to Pg 42 3.Qualification (ITB 36) 3.1 b If Bidder is not manufacturer If the manufacturer provides an authorization (Manufacturer's Authorization form pg 91) to the bidder (not manufacturer), would this allow the bidder (not the manufacturer) to use the manufacturer's references?</p>	If the Bidder is not a Manufacturer: the Bidder himself shall demonstrate that it has successfully completed at least two (2) monitoring systems of similar goods in the past three (3) years.
10.	<p>2) Referring to Pg 51 Price Schedule Column 8 Local Tax per line item Please provide the exact percentage for local taxes. Please kindly also provide what are the different taxes required.</p>	Please refer to Q&A document Question # 32

#	Question	Answer
11.	<p>3) Referring to Pg 51 Price Schedule Column 9 Total Price per line item (excluding local tax Col 7+8) Col 8 includes local tax. Please clarify "excluding local tax" in Col 9</p>	<p>Column 9 =Column 7 +8 (Including all Local Taxes) A correction will be made to the document</p>
12.	<p>4) Referring to Section VII Pg 160, 40106/Pg 166, 40206 /Pg. 154, 30106/Pg 157, 30206/Pg 151, 20206/ Pg147, 20106 – Directional Log-periodic antenna A frequency range down to 20MHz requires an antenna of approximately 5m by 6m which can neither be installed on a car nor on top of the tower. Therefore, a frequency range of 80MHz to 3GHz is commonly used and highly recommended.</p>	<p>Please refer to Q&A document Question # 65.</p>
13.	<p>5) Referring to Pg 128 towers and antennas should sustain 180km/hr wind velocity Please clarify how the wind-load of 180km/hr will be verified. Will there be a need for international certification for the construction (PE certified)</p>	<p>Supplier should provide the Engineering calculation showing the wind load factor that was used in the construction of the tower,</p>
14.	<p>6) Referring to Pg. 131 Frequency Range (FMS Type I, MMS and TMS) Given that frequencies above 8GHz are commonly being used in Myanmar today an extension of the frequency range to 18GHz or even to 26.5GHz should be beneficial. Please clarify if this tender specification for the frequency range will be adjusted accordingly.</p>	<p>The Purchaser is requesting a frequency range up to 8 GHz</p>
15.	<p>PTD suggested to quote 3 different price quotations for - 50m tower, 70m tower, 100m tower (P.104, 105, 107, 108) If supplier quote for the 3 different prices for the 3 different types of tower, the total summary price will be come out in 3 different prices as well. Please clarify how to quote 3 different prices in the price schedule?</p>	<p>Each station is quoted separately, The purchaser has defines a single type of tower for each station.</p>

#	Question	Answer
16.	<p>..submission of written clarification before 15 days prior of the bid-submission (P.34) 15 days prior of the bid-submission is 11th April 2016 and it is on the Myanmar new year holidays already. In this case, when purchaser can response to the bidder's questions and what is the exact date bidder can ask the questions to PTD?</p>	<p>For this reason, questions will be answered if received before April 6th, 20 days before the closing date.</p>
17.	<p>DF Method: hybrid radiolocation AoA and TDOA Multi-correlative Interferometer or Watson-Watt (optional) (P.130) We understand that Multi-Correlative Interferometer is Multi channel Correlative Interferometer, is that correct? Please help to confirm.</p>	<p>Yes, it means Multi channel Correlative Interferometer and it is an acceptable solution.</p>
18.	<p>Form of Bid Security (P.80) On form of Bid security, we need to state Bidder name, however, in case, bidder is JV (member A & member B) and we state clear about SOW, right and responsibilities on JV contract, can we use Bank security 50,000\$ for one member on be half of JV or not? Eg: Bid security for member A who is belong JV bidder.</p>	<p>Yes</p>
19.	<p>Bidder's JV members Information form (P.49) Do you request to open JV account for payment? Or you can pay direct to any account, any countries belong JV? Or we can state who will receive payment on JV contract about right and responsibilities of each member?</p>	<p>Payments will be made to a single bank account that will be chosen by the Supplier (s) when the contract is signed.</p>
20.	<p>Regarding to ORIGINAL and COMPIES (P.37) Do we need to sign on all page of Original? Or all pages of submit documents?</p>	<p>All pages of the bid (Original) where entries or amendments have been made shall be signed or initialed by the person signing the bid. Copies should be done to the signed original.</p>

#	Question	Answer
21.	50 meter ground mounted tower 75 meter ground mounted tower (P.61, 65) Today, on pre-bid meeting, you mentioned about some other height of tower as 60, 70,..How can we make total price with that optional? Pls help the guideline	Please use the heights defined in the official IFB specifications.