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REQUEST FOR NO OBJECTION ON THE BID EVALUATION REPORT FOR THE PROCUREMENT OF AUTOMATIC WEATHER STATION FOR 10 COUNTRIES IN SADC REGION UNDER SADC CSC/ ISACIP PROJECT UNDER INTERNATIONAL SHOPPING BIDDING

Dear Mr. A. DAGAMAISSA,

Reference is made to the Protocol Agreement between the African Development Bank Fund (ADF) and the African Centre of Meteorological Applications for Development (ACMAD) in connection with the Institutional Support to African Climate Institutions Project (ISACIP), and that between ACMAD and SADC. A provision was made under the improved access to observational network of the Production of climate information component of the project to award the contract for Supply, delivery and Installation of the Automatic Weather Stations (AWS), Data Collection Platforms (DCP) and Automatic Hydrologic Data Measurement Equipment in the Capital Cities of Ten (10) Southern African Community (SADC) member states. A Request for Quotation was sent to the Suppliers in order to provide price quotation under international shopping method.

A No Objection is requested for the Bid evaluation report of the subject above mentioned.

Background

A Request for Quotation (RFQ) was sent out to all seven (7) bidders on 19th November 2012. At expiry date of bid of the submission deadline that was 03th December 2012, only CIMEL Electronic submitted proposals. The closing date was extended up to 19 December 2012 in order to give opportunity to other suppliers which had not yet submitted their bids, to do so. VAISALA OYJ declined the offer and others did not respond to the tender. It was noticed that one bidder only submitted the tender for Automatic Weather Station (AWS), named CIMEL Electronic for an **amount without taxes and duties of Euros 238 762.00** (two hundred thirty eight thousand and seven hundred sixty two Euros).

The committee noticed that the initial budget of the 10 AWS was not enough and largely underestimated. A revised budget proposal had to be submitted to AfDB during the Mid-term Review Mission held in Gaborone and Nairobi June 11-21, 2013 for no objection.

A No Objection was granted on January 13, 2014 for the revised budget.

The evaluation process resumed on 16 January 2014 and completed the process on 28 January 2014. The committee noted that the revised budget line of two hundred eighty eight thousand and four hundreds Units Accounts (UA 288400.00) for supply, delivery and Installation of the Automatic Weather Stations (AWS), Data Collection Platforms (DCP) and Automatic Hydrologic Data Measurement Equipment in the Capital Cities of Ten (10) Southern African Community (SADC) member states, can afford the bid proposals.

The Committee has proposed that the bid be awarded to CIMEL Electronic for an amount with taxes and duties of **Euros 238 762.00** (two hundred thirty eight thousand and seven hundred sixty two Euros), for supply, delivery and Installation of the Automatic Weather Stations (AWS), Data Collection Platforms (DCP) and Automatic Hydrologic Data Measurement Equipment.

Consequently, the 'No Objection' is sought on this tender evaluation report and the negotiation of draft contract, in order to proceed with signing of the contract.

The summary of the evaluation process is herein attached.



B. Garanganga
SADC-CSC Coordinator

Methodology of the evaluation of the bid

Evaluation of the bids was then carried in three stages as follows:-

- a) **Stage 1** - First Preliminary Examination to verify Commercial Responsiveness. This was to verify that bids were properly signed, bid validity period and that the bids were generally responsive. Only bids that passed this stage were carried to the next stage.
- b) **Stage 2** - Second Preliminary Examination to verify Technical Responsiveness. This was to check compliance of the bid against Specifications. Only bids that passed this stage were carried to the next stage.
- c) **Stage 3** - Detailed Examination. This included examination for errors and adjustments in the prices offered.
- d) **Stage 4** – Post Qualification
- e) **Award Recommendation**

The bidding process schedule is summarized in the table 1 below:

Table 1: Schedule of dates of the bidding process for the supply of 10 Automatic Weather Station

Type of Goods	AWS
Quantity	10 SET
Date of Submission	19 November 2012
Approval Date	26 November 2012
Launching Date	26 November 2012
Bid Closing	03 December 2012
1 st extension closing date	15 December 2012
2nd extension closing	08 February 2013
Bid opening Date	09 February 2013
Request to approval of budget realignment	March 2013
No objected granted	13 January 2014
Confirmation of Bid	27 January 2014
Bid Evaluation	28 January 2014
Completion evaluation	28 January 2014

Details of candidate bidder

The candidates suppliers selected included the following Bidders:

Table 2: Potential Supplier Candidates

No	SUPPLIER	Email	COUNTRY OF ORIGIN
1	Wilh. Lambrecht GmbH	info@lambrecht.net	Germany
2	VAISALA OYJ	info@vaisala.com	Finland
3	HYDROLOGICAL SERVICES PTY LTD	sales@hydrologicalservices.com	Australia
4	CIMEL ELECTRONIC	sales@cimel.fr	France
5	Adolf Thies GmbH & Co. KG	info@thiesclima.com	Germany
6	CAMPBELL SCIENTIFIC LTD.	sales@campbellsci.co.uk	United Kingdom
7	China National Huayun Technology Development Corporation China	zhangy0812@126.com or zhangwei@cnhyc.com	China

The received bid included the following suppliers:

Table 3: supplier candidate

N ^o	SUPPLIER	TENDER	ADDRESSES
1	CIMEL ELECTRONIQUE	Project ID No.: P-Z1-CZ0-003 ITB Number: SADC/AfDB ACMAD DMC/CSC PROJECT/3/2012	CIMEL ELECTRONIQUE Phone +33 (0)1 43 48 79 33 Fax +33 (0) 143 48 62 61

The Evaluation Committee suspended the evaluation process pending the approval of the revised budget proposal by the Bank subsequent to the Mid-Term Review mission of 2013. A No objection of the revised budget proposal was granted on January 13, 2014. Hence the Committee convened the meeting to pursue the evaluation and came out with this final report detailed as follows:

Bid evaluation committee: A bid evaluation committee was appointed comprising:

- Dr Faka Nsadisa, Project Team Leader, SADC CSC ISACIP (Chairperson);
- Ms Lerang Lephole, SADC Finance Officer,;
- Mr Brad Garanganga, SADC ISACIP Coordinator.

Administrative evaluation

The evaluation process was preceded by a preliminary examination of the bids. All bids requirement were fulfilled by the tendered in order to be considered commercially responsive. The commercial responsiveness was assessed in terms of the verification of the provision in the bid document, eligibility, bid security, completeness of the Bid, substantial commercial responsiveness.

The evaluation was done according to the details requested in section III Evaluation and Qualification Criteria of the bid and on the compliance of technical specification 4.1 Qualification criteria

The qualification criteria were based on the details provided accordingly to the table below.

Table 3. The qualification criteria

1	<u><i>Qualification (Without Prequalification)</i></u>
2	<u><i>Eligibility (TABLE)</i></u>
3	<u><i>Historical Contract Non-Performance (TABLE)</i></u>
4	<u><i>Financial Situation (TABLE)</i></u>
5	<u><i>Experience (TABLE)</i></u>

The eligibility criteria evaluation was made in the basis of the five criteria as following:

- Nationality in accordance with ITB 4.2.
- No- conflicts of interests as described in ITB 4.3.
- Not having been declared ineligible by the Bank as described in ITB 4.4.
- Compliance with conditions of ITB 4.5
- Not having been excluded as a result of the Borrower's country laws or official regulations, or by an act of compliance with UN Security Council resolution, in accordance with ITB 4.8

The Historical Contract Non-Performance criteria were assessed by:

- Non-performance of a contract did not occur within the last three (3) years prior to the deadline for application submission, based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract, and where all appeal instances available to the bidder have been exhausted;
- Not being under execution of a Bid-Securing Declaration pursuant to ITB 4.6 for 2 years;
- All pending litigation shall in total not represent more than Fifty percent (50%) of the Bidder's net worth and shall be treated as resolved against the Bidder;

The financial situation was assessed by the factors as following:

- Submission of audited balance sheets or if not required by the law of the bidder's country, other financial statements acceptable to the Purchaser, for the last 2 years to demonstrate the current soundness of the bidders financial position and its prospective long term profitability.
- (criterion 1) Quick Ratio
- (criterion 2) Current Ratio

- (Criteria 3) Debt/Leverage ratios
- Minimum average annual turnover of US\$1,000,000, calculated as total certified payments received for contracts in progress or completed, within the last 2 () years; Amendment was made for Lot 2 during the pre-opening meeting and agreed on a turnover of US\$2,000.00.
- The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet:
- the following cash-flow requirement: US\$1,000,000 for Lot 1 and US\$2,000.00 for Lot 2 and;
- the overall cash flow requirements for this contract and its current commitments.

The experiences were evaluated on :

- Experience as Supplier, in at least three (3) contracts within the last 5 years, each with a value of at least One Million Dollars (US\$1,000,000 for lot 1) or Two Thousand Dollars (US\$2,000.00 for lot 2) each, that have been successfully and substantially completed and that are similar to the proposed Goods and Related Services. The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Section IV, Bidding Forms.
- For Lot 2 only, the following qualification criteria shall apply, subject to approval by the AfDB. Item 6 of the advertisement is amended as follows:
- “Qualification requirements include: 1. Experience as Supplier, in at least three (3) contracts within the last 5 years, each with a value of at least US\$100,000 each, that have been successfully and substantially completed and that are similar to the proposed Goods and Related Services. The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Section IV, Bidding Forms, 2. Non-performance of a contract did not occur within the last three (3) years prior to the deadline for application submission, based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract, and where all appeal instances available to the bidder have been exhausted, 3. Not being under execution of a Bid-Securing Declaration pursuant to ITB 4.6 for 2 years, 4. All pending litigation shall in total not represent more than Fifty percent (50%) of the Bidder’s net worth and shall be treated as resolved against the Bidder, 5. Submission of audited balance sheets or if not required by the law of the bidder’s country, other financial statements acceptable to the Purchaser, for the last 2 years to demonstrate the current soundness of the bidders financial position and its prospective long term profitability: Quick Ratio, Current Ratio and Debt/Leverage ratios: 6. Minimum average annual turnover of US\$500,000, calculated as total certified payments received for contracts in progress or completed, within the last 2 () years, 7. The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and

other financial means, other than any contractual advance payments to meet at least US\$500,000

- Similarly, “Qualification Tables (Without Prequalification) are also amended to reflect the above amendments” appearing at page 1-7 Section III. Evaluation and Qualification Criteria
- For Lot 2 only All bids must be accompanied by a Bid Security of not less than US\$2,000 or an equivalent amount in a freely convertible currency”

The supplier has got a good and reliable network, in which the beneficiaries of its services testified its fairness and seriousness such as US National Aeronautic and Space Administration (NASA), many National Meteorological and hydrological Services (NMHSs) and regional centre (AGRHYMET, ACMAD, ARVALIS, NEO INFRACOM...). Find the references attestations in annexe.

Technical evaluation:

The following criteria was agreed to and followed during the evaluation:
The TOR’s analysis was made according to the bid technical specifications. Bidders offering the equivalent of these technical specifications or better shall have their bids accepted as technically compliant”.

Bidders are free to provide products that are more superior as they meet the minimum technical specifications as stated in the TOR. In doing so, Bidders must be aware of price competitiveness of their products.

The lowest evaluated price and substantially responsive to this Request for Quotations shall be seen award the contract.

Table below summaries the checklist of specification required in the Tender Document

TECHNICAL AND FINANCIAL EVALUATION		
AUTOMATIC WEATHER STATION		
Specifications Required	From Tender Document	Specifications Offered
Data Logger QML201		
Processor	32-bit Motorola	64-bit
A/D conversion	16 bit	YES
Data logging memory		
Internal	1.7 MB internal flash memory	YES
Optional	>200 MB on compact flash memory card	YES
Sensor inputs		
Analog	10 analog inputs (20 single-ended inputs)	YES

Frequency	2 counter/frequency inputs	YES
Internal channel for PMT16A pressure transducer		
Accuracy over operating temperature range	-40 °C ... +60 °C	YES
Temperature (Pt-100) measurements	Range -50 °C ... +80 °C	YES
Uncertainty across measured temperature	Better than ± 0.06 °C	YES
Voltage measurement		
± 2.5 V range	Better than 0.04 % reading ± 150 μ V	YES
± 250 mV range	Better than 0.04 % reading ± 20 μ V	YES
± 25 mV range	Better than 0.04 % reading ± 6 μ V	YES
± 6.5 mV range	Better than 0.12 % reading ± 6 μ V	YES
Frequency measurements	0.003 % + resolution 241 nsec. (up to 4 kHz)	YES
Common mode range	+5 V / -4 V	YES
Real-time clock	Accuracy better than 20 sec/month	YES
Serial communication		
Standard	RS-232 and RS-485	YES
Optional	Two (2) optional plug-in slots for communication modules for increasing the number of serial I/O channels up to 8 pcs	YES
Speed	300 ... 19,200 bps	YES
Parameters	Configurable speed, start bits, data bits, stop bits, parity, XON/XOFF and check-sum	YES
External powering		
Voltage	8 ... 14 VDC recommended (30 V max.)	YES
Internal battery	1.3 Ah/6 V	YES
Power consumption	< 10 mA/6 V (typically with 5 basic sensors)	YES
Solar panel/batteries		
Panel options	6 W/6 V and 12 W/12 V	YES
Extra back-up battery	QMB102	YES
	Sealed lead acid, maintenance-free	
Mains power QMP213	85 ... 264 VAC	YES
Mains power QMP201C	85 ... 264 VAC	YES

	with 12 W solar panel and 7 Ah back-up battery	YES
Environmental		
Temperature		
Operating	-40 ... +60 °C	YES
Storage	-50 ... +70 °C	YES
Humidity	0 ... 100 % RH	YES
Emissions	CISPR 22 class B (EN55022)	YES
Immunity		
ESD immunity	IEC 61000-4-2	YES
RF field immunity	IEC 61000-4-3	YES
EFT immunity	IEC 61000-4-4	YES
Surge (lightning pulse)	IEC 61000-4-5	YES
Conducted RF immunity	IEC 61000-4-6	YES
Sensors		
Wind	QMW101/110	YES
Pressure	PMT16A	YES
Temperature, relative humidity	QMH101	YES
Solar radiation	QMS101, QMS102, QMN101	YES
Precipitation	QMR101/102	YES
Soil/water temperature	QMT103, QMT110, QMT107	YES
Soil moisture	ML2x	YES
Water level	PR36W, PAA36, QSE102	YES
Physical		
Weight example:		
Portable system with 3 m tripod	15 kg	YES
(pressure, temperature/humidity and wind sensors; 6 W solar panel)		YES

Basic enclosure			
Material	Anodized aluminum		YES
Ingress protection	NEMA 4X, IP66		YES
Dimensions	Diameter 120 mm, height 420 mm		
Weight	3 kg		
Options and accessories			
Communication modules	DSU232, DMX501	DSI485A, DSI486,	YES
Mains power supply	QMP213		YES
Solar/mains power supply	QMP201C		YES
Carry cases for MAWS201	QMM110, QMM120		YES
UHF radio modem set	SATEL3ASET-M2		YES
Technical Specification Test			Offered AWS GPRS and passed the technical test
Price (without Customs and VAT)		EUROS	255 762.00
Ranking			1
Evaluation Committee's Final notes and recommendation	This bid received is for 10 AWS that was submitted to price quotation request.		The Bidder complied to all specification required and was recommended to the financial analysis

On the basis of the above-stated evaluation criteria, the specified bid complied with the TOR and was recommended to the financial evaluation.

The detailed financial proposal can be summarized as follows:

Financial evaluation:

The financial proposals can be summarized as follows:

Table 6: Financial proposal

N°	SUPPLIER	FINANCIAL PROPOSALS
01	CIMEL ELECTRONIQUE	€255,762.00

The breakdown of this amount is shown in table 7 below

Table 7: **Financial proposal** Breakdown of Automatic Weather Station from **CIMEL**

Items	quantity	unit/price	Tot price
		Euros	Euros
Data acquisition platform	10	4 598.00	45 980.00
Data logger+standard solar panel	10	781.00	7 810.00
Directional antenna	10	236.00	2 360.00
Wind mast grounding set	10	1 719.00	17 190.00
Wind vane +sheathed cable	10	952.00	9 520.00
anemometer with adaptation	10	731.00	7 310.00
sensor kit temperature & humidity	10	702.00	7 020.00
Piranometer global radiation	10	1 375.00	13 750.00
digital barometer	10	709.00	7 090.00
Pluviometer400,0.2mm	10	828.00	8 280.00
leaf wetness	10	188.00	1 880.00
soil temperature profil	10	978.00	9 780.00
Water level ultrasond sensor	10	1 760.00	17 600.00
Radio unit +omni-directional antenna	10	2 315.00	23 150.00
S/T			178 720.00
Accessories			
PC unit software (workstation)	1	4 242.00	4 242.00
International transport & insurance	10	2 030.00	20 300.00
Training & installation	10	5 250.00	52 500.00
S/T2			77 042.00
TOT	161	Without Tax and customs Euros	255 762.00

Budget analysis

The task was to compare the items budget line versus the bid proposal. The bid document did not precise the related services to be implemented in the supply, delivery and installation and commissioning of the AWS.

The budget analysis showed that the available budget of UA 288 400.00 under Automatic weather Station and Automatic hydrologic measurement equipment are enough to afford the bid proposals.

From the Evaluation Table below, the committee recommends that contract be awarded as follows:

Lot number	Description	Lowest Evaluated Bidder	Address of Bidder	Proposed Contract Amount
1	Supply, Delivery, Installation and Commissioning of Automatic Hydro-Meteorologic Weather Station	CIMEL ELECTRONIQUE,	172 Rue de Charonne, 75011 Paris Tel +33 143487933 Fax +33143486261	Euros 238,762.00 ¹

Note: ¹The figure of Euros 238,762.00 was the revised figure from Euros 255,762.00 after the breakdown and clarifications from the bidder which resulted in some of the components from the original proposal being removed from the training material.

Conclusion

As reflected in the above table, CIMEL has been proposed to be awarded the contract for Supply, delivery and Installation of the Automatic Weather Stations (AWS), Data Collection Platforms (DCP) and Automatic Hydrologic Data Measurement Equipment in the Capital Cities of Ten (10) Southern African Community (SADC) member states, for an **amount without taxes and duties of Euros 238 762.00** (two hundred thirty eight thousand and seven hundred sixty two Euros).