

LPI 0596-2016 – LTE/3G MODEMS WITH WIFI SERVICE – IBIRAPITÁ PLAN

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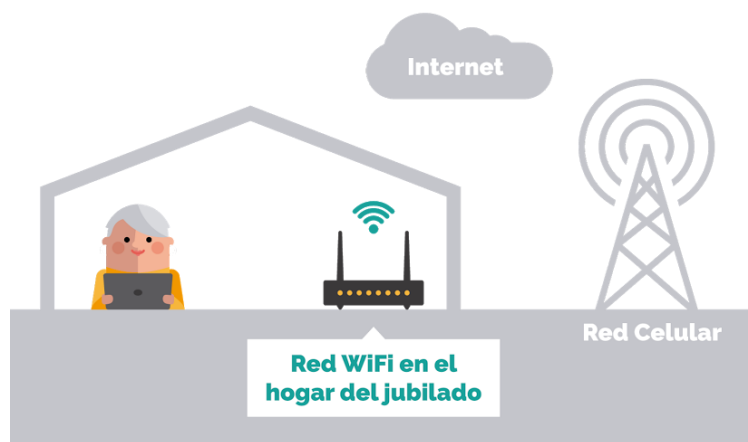
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1 OBJECTIVE

CEIBAL CENTRE, calls for public and international bids in order to acquire up to 20,000 LTE/3G modems/routers within the frame of Plan Ibirapitá.

These devices shall be used to provide Internet access in the homes of the beneficiaries of the Plan through the mobile network. The connection between the devices and the Ibirapitá tablet shall be wireless, as shown in the image below.



The Specifications for Bid is divided in 5 categories of devices. Centro Ceibal may award all devices to one category or make partial awards.

2 GENERAL CONSIDERATIONS

Each bidder will have to submit its offer following the guidelines described in section 5. OFFER. APPENDIX IV: CHECKLIST OF THE SUBMISSION OF THE OFFER was included in order to make the submission of the offer easier. **Centro Ceibal reserves the right to reject offers which are not submitted as per such guidelines.**

When submitting the offers, THREE samples of each model of the device offered shall be furnished which shall be used during the technical assessment to confirm the performances.

Centro Ceibal shall request the following quality controls: 1) validation of Golden samples the awarded bidder shall send to be assessed by Centro Ceibal; 2) inspection in origin prior to shipment; and 3) final inspection in Ceibal after receiving the shipment. At any time, Centro Ceibal may reject totally or partially the inspected batch.

3 TECHNICAL REQUIREMENTS

Devices shall provide Wi-Fi coverage and access to mobile services.

The specifications for bid are divided in 5 categories:

Category 1: WiFi device which integrates LTE modem, with USB port, mini USB or micro USB, exclusive for power supply and setup.

Category 2: WiFi device which integrates 3G modem, with USB port, mini USB or micro USB, exclusive for power supply and setup.

Category 3: WiFi device which integrates LTE modem, with 220V supply through Europlug connector (CEE 7/16).

Category 4: WiFi device which integrates 3G modem, with 220V supply through Europlug connector (CEE 7/16).

Category 5: WiFi device with USB port, for external LTE/3G modem (dongle USB) with 200V supply through Europlug connector (CEE 7/16).

If the device manages multiple networks, it shall be included in the quotation of the most recent network. For example, a device that manages LTE/3G/2G, shall be included in the corresponding quotation of LTE.

Compatibility with multiple networks is a desirable requirement (see section 3.2 DESIRABLE REQUIREMENTS).

Requirements of mobile networks are detailed in APPENDIX III: SPECIFICATIONS OF MOBILE NETWORKS. **Offers of devices which are only compatible with technologies/frequencies detailed in APPENDIX III for each network are to be accepted, as well as devices compatible with other technologies/frequencies apart from those ones.**

All categories may include quotations of devices with the ability to operate with autonomy through internal battery.

3.1 COMPULSORY REQUIREMENTS

Devices shall comply with the following mandatory requirements:

3.1.1 WiFi

Minimum: 802.11 b/g/n.

3.1.2 CONNECTIVITY (**NOT APPLICABLE FOR CATEGORY 5**)

SPECIFICATIONS OF MOBILE NETWORKS. **Offers of devices which are only compatible with technologies/frequencies detailed in APPENDIX III for each network are to be accepted, as well as devices compatible with other technologies/frequencies apart from those ones.**

3.2 DESIRABLE REQUIREMENTS

3.2.1 *COMPATIBILITY WITH MULTIPLE TECHNOLOGIES*

Support of technologies 3G and 2G, as per the specifications described in APPENDIX III: SPECIFICATIONS OF MOBILE NETWORKS, for devices offered in **categories 1 and 3**.

Support of technologies 2G, as per the specifications described in APPENDIX III: SPECIFICATIONS OF MOBILE NETWORKS, for devices offered in **categories 2 and 4**.

4 DOCUMENTATION

4.1 SUBMISSION WITH OFFER

4.1.1 *TECHNICAL SPECIFICATIONS*

Document of the technical specifications of each model bided.

4.1.2 *FAILURE RATE*

The offer shall detail the expected failure rate during a year at 24/7 operation for each model offered.

4.1.3 *CERTIFICATIONS*

All standards complied with by the device and corresponding certifications must be indicated, for instance (RoHS, WiFi Alliance, FCC, etc.).

4.2 DELIVERY BEFORE EACH SHIPMENT

4.2.1 *PACKAGING CONDITIONS*

The bidder shall detail the packaging conditions of the product (individual box, master box, pallet, etc.)

5 OFFER



5.1 SUBMISSION

The bidder shall complete, for each model offered, the charts of appendixes I and II.

APPENDIX 1: SPECIFICATIONS, shall indicate the model, corresponding category of specifications for bid (see section 3. TECHNICAL REQUIREMENTS), supporting mobile service (not applicable to category 5), if includes internal battery to operate with autonomy and expected failure rate.

The bidder shall quote each product offered depending on the delivery method (CIF MONTEVIDEO PORT and CIF MONTEVIDEO AIRPORT) and the following volume ranges:

- Range 1: less than 5,000 units
- Range 2: between 5,001 and 10,000 units
- Range 3: between 10,001 and more than 20,000 units

APPENDIX II: QUOTATION, shall include the quote corresponding to each model depending on the ranges and delivery method.

The addition of a BACKGROUND section of the bidder regarding the provision of devices of similar connectivity shall be appreciated.

5.2 SAMPLES

THREE samples of each model of the offered device to be used during the technical assessment shall be furnished when submitting the offers in order to verify the provisions. Exceptionally, and in case there were reasons justified by the provider, the latter may defer the delivery of samples to a reasonable term.

Samples may be returned in different conditions to those in which these were delivered. The bidder shall have four weeks as of the awarding, to collect the samples submitted. After such period, and in case the samples have not been collected, Centro Ceibal may have such samples available and the bidder shall be entitled to claim.

6 WARRANTY

The bidder shall guarantee that the products provided by virtue of the agreement hereof are new, complete, have no use and are free of failure regarding design, materials, manufacturing, storage conditions (packaging, temperature and adequate humidity), transportation or any other act or omission by the bidder which may appear in the usual use of the products in the conditions of each country.

The bidder shall include in the proposal the conditions and procedures to execute claims under warranty.

The bidder shall indicate the warranty term of the product. Failure to do so shall cause Ceibal to cover for one year.



7 DELIVERY TERMS

The bidder shall detail the delivery date of the devices, to be complied with as of the award notice, as per the delivery methods requested (port or airport).

Partial deliveries are accepted. The bidder shall state its delivery capacity depending on the quoted volumes.

8 APPENDIX I: TECHNICAL SPECIFICATIONS

SPECIFICATIONS							
Model	Category	LTE Service (*)	3G Service (*)	2G Service (*)	Internal Battery	Failure Rate	

(*) Not applicable for category 5

Categories:

- 1: WiFi device which integrates LTE modem, with USB port, mini USB or micro USB, exclusive for power supply and setup.
- 2: WiFi device which integrates 3G modem, with USB port, mini USB or micro USB, exclusive for power supply and setup.
- 3: WiFi device which integrates LTE modem, with 220V supply through Europlug connector (CEE 7/16).
- 4: WiFi device which integrates 3G modem, with 220V supply through Europlug connector (CEE 7/16).
- 5: WiFi device with USB port, for external LTE/3G modem (dongle USB) with 200V supply through Europlug connector (CEE 7/16).

9 APPENDIX II: QUOTATION

QUOTATION						
Model	CIF MVD PORT			CIF MVD AIRPORT		
	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3

- Range 1: less than 5,000 units
- Range 2: between 5,001 and 10,000 units
- Range 3: between 10,001 and more than 20,000 units





10 APPENDIX III: SPECIFICATIONS OF MOBILE NETWORKS

2G Network: GSM/EDGE/GPRS

Operation bands: EGSM (900 MHz)- DCS (1800 MHz)

Band width of the carrier: 200 KHz

EU suggested category: Multislotclass 12 or superior (GPRS/EDGE).

3G Network: UMTS (HSPA+/HSPA)

Operation bands: Bands 1 (2100 MHz) y 5 (850 MHz).

Band width of the carrier: 5 MHz.

UE suggested category (release 8 and on) category 24 or superior.

LTE Network:

Operation bands: Band 4 (AWS).

Band width of the carrier: 20 MHz.

UE suggested category (release 8 and on) Categories 3 or 4.

11 APPENDIX IV: CHECKLIST OF OFFER SUBMISSION

- 1 Complete APPENDIX I: SPECIFICATIONS
- 2 Complete APPENDIX II: QUOTATION
- 3 Furnish document with technical specifications of each model included in the bid.
- 4 Indicate the expected rate for failure of each model offered.
- 5 Indicate standards complied by each device and corresponding certifications.
- 6 Indicate conditions and procedures for execution of warranty.
- 7 Indicate the term of the warranty for each model offered.
- 8 Indicate the delivery terms depending on volume and type of shipment.
- 9 Furnish THREE samples of each model offered.
- 10 OPTIONAL: BACKGROUND of the bidder regarding provision of similar connectivity devices.