



CPP 2024

Charging Carts

Technical Annex

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## 1. Call Aim

Centro Ceibal calls for a Public Pricing Tender for the acquisition of solutions of storage and heavy duty loading for laptops and tablets (charging carts) and their respective spare parts for support. The search is oriented to robust products, easy transport and simple design and repair to be used daily in educational centers. They must be connected to the electricity grid of Uruguay (220V, 50Hz).

All products purchased from the Bidder and/or all services provided by the Bidder are governed by the confidentiality considerations specified in *Annex II: Confidentiality*.

## 2. Offer

### 2.1. Presentation and form of quotation

The technical offer will be presented segmented in the following folders:

1. Folder with factory background. The following information should be detailed:
  - Factory that will produce the products offered.
  - Time to start production (acquisition of raw material and preparation of production line).
2. Folder with bidder background. The following information should be detailed:
  - Background of the bidder's work with the factory that will produce the products offered.
  - List of customers and respective contacts.
3. Folder with technical specification and images or renders of the product.
4. Folder with all the tables in section 5. Complete REQUIREMENTS AND DOCUMENTATION, for each product offered.
5. Folder with warranty specifications as requested in section 3. WARRANTY.
6. Folder with the specification of delivery deadlines as requested in section 4. DEADLINE, DELIVERY CONDITIONS AND QUALITY CONTROL.
7. Folder with the tables in Annex I: complete PRICE TABLES.
8. (Optional) Folder with the complementary technical information that the bidder considers relevant to provide.
9. (Optional) Folder with additional quotes to those specified above, if applicable.

### 2.2. Sample

**At the time of submitting the offers, a sample of each solution presented must be delivered at the supplier's cost.** Samples must be delivered to the reception desk at Centro Ceibal's offices (Av. Italia 6201 Edificio Los Ceibos, Monday to Friday from 9 am to 4 pm).

In exceptional cases and when there are justified reasons in Ceibal's judgment, the bidder may defer the delivery of samples for a reasonable period of time or propose an alternative that Ceibal will evaluate.

Some tests to be performed with the sample may result in damage to some components of the product, so the sample may be returned in different conditions than those in which they were delivered. The bidder will have 4 weeks from the award to withdraw the sample submitted. Upon expiration of the aforementioned term without having withdrawn them, Centro Ceibal may freely dispose of the sample, without the right to claim by the bidder.

### 3. WARRANTY

The bidder shall guarantee that the products supplied under the contract are new, complete, unused and free from defects attributable to design, materials, manufacture, storage conditions (appropriate packaging, temperature and humidity), shipment or any act or omission of the bidder that may arise from the normal use of the products under the conditions prevailing in the country.

The equipment shall be delivered with a 12-month warranty, as from the approval of the lot upon arrival in Uruguay. The bidder shall also quote an extended warranty for an additional three years.

### 4. Deadline, delivery conditions and quality control

The bidder shall specify delivery times in its offer. A maximum delivery time of 90 days after award for the first lot is desirable. The remaining lots could be spaced one month apart. Ceibal may require lots of a minimum of 50 units. However, the definition of these terms and quantities could be adjusted by Ceibal at the time of award. In the event that the bidder is unable to meet these desirable conditions, it must include its proposal in the offer.

Centro Ceibal will carry out the corresponding inspection upon receipt of the shipment, and may reject it if the product does not comply with what is specified.

### 5. Requirements and Documentation

#### 5.1. Product

CHARGING CART					
MANDATORY REQUIREMENTS			COMPLIES		SPECIFICATIONS AND OBSERVATIONS
STRUCTURAL			YES	NO	
5.11	MOUNTING	Assembly of electrical components that allow its removal (for maintenance or repairs).			
5.12	LOADING CAPACITY	Minimum: 20 items, maximum 30 items, with the considerations of point 5.1.4. Specify.			
5.13	Dimensions and Weight	Maximum volume: 2 cubic meters. Maximum weight (without devices): 100kg			

5.1.4	LOAD SLOT DIMENSIONS	Minimum: depth 40 cm, height 30 cm.			
5.1.5	SEPARATORS	They must allow the orderly placement of the devices under load with a distance of between 3 and 6 cm between them.			
<b>SECURITY</b>					
5.1.6	BRAKE	Safety brake, easily accessible that allows you to fix the cart and avoid its transfer. For example wheels with lock.			
5.1.7	DOORS	The doors must have a lock in order to prevent access to the interior with conventional tools. The use of locks with delta key or similar is not valid.			
5.1.8	LOCK and KEYS	Door locks must have the same key combination for all carts. At least two keys must be delivered for each unit.			
5.1.9	VENTILATION and TEMPERATURE	The cart must have a ventilation mechanism that prevents overheating of the equipment.			
<b>TRANSPORT</b>					
5.1.10	HANDLE (S)	Handle (s) for transfer.			
5.1.11	WHEELS	4 wheels that support the weight and facilitate the transfer of the fully loaded cart.			
5.1.12	INTERNAL STABILITY	There should be no displacements or blows inside the cart during transport.			
<b>ELECTRIC</b>					
5.1.13	SWITCHES	Thermomagnetic and differential (or combined), which remains inside the cart or with protection against access by a non-technical user.			
5.1.14	POWER INDICATION	Visual indication from the outside, or easily visible from the outside, indicating whether the cart is energized.			
5.1.15	220VAC POWER SUPPLY	The 220VAC card must be of European type for a minimum electricity of 16A, with electrical grounding.			
5.1.16	GROUND	All metal parts of the cart must be properly grounded.			
5.1.17	EXTERNAL MAIN SWITCH	Device main switch with external user access.			
<b>WIRING</b>					
5.1.17	WIRING	The wiring must be protected by easily accessible conduit for repairs.			
5.1.18	POWER WIRE	It must be reinforced and with a minimum length of 3 meters. The power wire must be attached to the cart and only removable by a technical manager.			
5.1.19	SOCKET	The sockets must allow the connection of wall type chargers with a volume of 10cm x 5cm x 5cm, and be distributed in a way that facilitates wiring from each equipment.			
5.1.20	INTERNAL CONDUITS	The DC cables must be able to be placed internally in an orderly manner by means of some internal conduits.			
<b>REGULATIONS</b>					

5.121	RoHS	RoHS standard compliance. <b>(It is NOT required to present the detailed documents with the test protocols applied).</b>			
5.122	International Regulations for Low Voltage devices	The product must have some international regulations that guarantee compliance with general requirements applicable to low voltage devices. Specify the standards that the product meets.			
<b>IDENTIFICATION</b>					
5.123	SERIAL NUMBER AND BAR CODE	The product must be delivered with a unique serial number that identifies it, with its corresponding bar code (type 128), printed indelibly in a visible and easily accessible place on the equipment and its outer packaging. The printing of the barcode on the equipment may be by laser, silkscreen or other similar method or labels. The method to be used shall be agreed with Ceibal. The result must present sufficient contrast to be read by barcode readers.			
5.124	INFORMATION OF EACH PALLET	Each pallet shall be labeled with the following information: -Equipment model, lot/batch. -Pallet number and total pallets in the lot. -Number of individual boxes on pallet.			
5.125	INFORMATION OF EACH BOX	Each individual box shall be labeled with the following information: -Equipment model, lot/batch. -Box number and total number of boxes in the lot. -Serial number (barcode and alphanumeric code) of the equipment, as indicated in 5.1.24).			
<b>DESIRABLE REQUIREMENTS</b>					
5.126	TENSION STABILIZER	Module that protects the product against voltage fluctuations of the mains. (No UPS)			
5.127	OVERLOAD PROTECTION	Protection that opens the power when the electricity limit is exceeded.			
5.128	PERSONALIZATION	The Ceibal logo must be on one of the visible faces of the product (final design to be agreed with Ceibal)			

## 5.2. Documentation

<b>DOCUMENTATION</b>			<b>OBSERVATIONS</b>
5.2.1	TECHNICAL SPECIFICATIONS	Document with technical specifications and images or renders of the product.	
5.2.2	BILL OF MATERIALS (BOM) and SPARE PARTS LIST	Document with the list of parts and spare parts of the solution.	
5.2.3	CERTIFICATION	Document that lists the standards that the product offered meets with the certificates that guarantee it.	
5.2.4	MAINTENANCE GUIDE	Document specifying the replacement process of the main spare parts defined in the BOM	

5.2.5	ACCESSORIES	List of available accessories (for example, separators, cables, etc.)	
5.2.6	VOLTAGE STABILIZER and / or OVERLOAD PROTECTION	In case of offering a solution that meets these desirable requirements, deliver a document that specifies functionalities, mode of use and configuration	
5.2.7	MASTER FILE WITH SERIALIZATIONS.	Document indicating the complete list of serial numbers included in each lot.	

The technical evaluation will be carried out by verifying compliance with the mandatory requirements and assessing the desirable requirements.

## 6. ANNEX I: Price Tables

Charging Cart		
VOLUME	UNIT PRICE, US\$ CIF MVD	OBSERVATIONS
Up to 99		
between 100 and 299		
between 300 and 499		
More than 500		
Charging Cart – SPARE PARTS (*)		
SPARE PART (**)	UNIT PRICE, US\$ CIF MVD	OBSERVATIONS
...		
...		
Charging Cart - Extended warranty for 3 years extra		
Description	UNIT PRICE, US\$ CIF MVD	OBSERVATIONS
...		

(\*) Quote each spare part according to the ranges established in the volume, and considering a failure rate of 10%.

(\*\*) Description of the spare part according to the BOM delivered (see corresponding Documentation requirement).

## 7. ANNEX II: Confidentiality

The Company that is awarded the contract, expressly undertakes to keep in the strictest confidentiality all the information it processes or uses during its relationship with Centro Ceibal. The Confidential Information includes, among others and by way of example, the following information: all strategies, business plans and procedures, proprietary information, software, tools, processes, images, personal data, methodology, information and trade secrets, and other information and material of Ceibal, as well as of the students, beneficiaries, teachers, study centers, which could be obtained by the Company from any source or could be developed as a result of this contract.