



# Public Pricing Tender Loading Cart

## TECHNICAL ANNEX

[Call Aim](#)

[Offer](#)

[Presentation and form of quotation](#)

[Sample](#)

[Warranty](#)

[Deadline, Delivery conditions and quality controls](#)

[Requirements and documentation](#)

[Product](#)

[Documentation](#)

[ANNEX I: Price Tables](#)

December 2019

## 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 (loading cart) 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 classrooms. They must be connected to the electricity grid of Uruguay (220V, 50Hz).

## 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 QUOTATION 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 submission of offers, a sample of each product submitted must be delivered.** In the event that the bidder deems it convenient for transport, the sample of the cart may be delivered

as a KIT with clear instructions to be assembled at Ceibal either by personnel sent by the bidder or by Ceibal staff.

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 that Ceibal shall evaluate.

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 Upon expiration of the previous term without having withdrawn them, Centro Ceibal may freely dispose of them, without the right to claim by the bidder.

### 3. Warranty

The bidder shall ensure that the products supplied are new, complete, unused and free of defects attributable to the design, materials, manufacturing, storage conditions (packaging, appropriate temperature and humidity), transfer or any act or omission of the bidder that could manifest itself on the occasion of normal use of the products in the conditions prevailing in the country.

The equipment must be delivered with a 12 month warranty, upon approval of the lot upon arrival in Uruguay.

### 4. Deadline, Delivery Conditions and Quality Controls

The bidder must specify the delivery deadlines in his offer. It is desirable a delivery period of 90 days after the award of 50% of the awarded lot and 120 days for the rest of the lot.

**The awarded product must be delivered with an assembly guide (in case the product is delivered in KIT mode) and a user guide.** The design of this guide will be agreed between the parties prior to manufacturing and must at least include precautions for use, installation, preparation and startup.

Centro Ceibal will carry out two quality controls on the awarded products that may partially or totally reject the inspected lots. These two inspections are:

1. Inspection at origin prior to shipment.
2. Final inspection at Ceibal after receipt of shipment.

Centro Ceibal, or a representative designated by it, may visit the factory before and / or during the production of the lots for Ceibal, prior coordination between the parties and independent of the quality controls.

## 5. Requirements and Documentation

### 5.1. Product

LOADING CART					
MANDATORY REQUIREMENTS			COMPLIES		SPECIFICATIONS AND OBSERVATIONS
STRUCTURAL			YES	NO	
5.1.1	MOUNTING	Assembly of electrical components that allow its removal (for maintenance or repairs).			
5.1.2	LOADING CAPACITY	Minimum: 24 items with the considerations of <b>point 5.1.4</b> . Specify.			
5.1.3	Dimensions and weight	Maximum volume: 2 cubic meters. Maximum weight (without devices): 100Kg			
5.1.4	LOAD SLOT DIMENSIONS	Minimum: depth 30 cm, height 40 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.			
SECURITY					
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.			
TRANSPORT					
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.			
ELECTRIC					
5.1.13	SWITCHES	Thermomagnetic and differential (or combined), that is inside the cart or with protection against access by a non-technical user.			
5.1.14	INDICATION LEDs	Exterior light indicating if 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	LAND	All metal parts of the cart must be properly grounded.			
<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>					
5.1.21	RoHS	RoHS standard compliance. <b>(It is NOT required to present the detailed documents with the test protocols applied).</b>			
5.1.22	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>PERSONALIZATION</b>					
5.1.23	CEIBAL LOGO	The Ceibal logo must be on one of the visible faces of the product (final design to be agreed with Ceibal)			
5.1.24	SERIAL NUMBER AND BAR CODE	The product must be delivered with a unique serial number that identifies it, with its corresponding barcode, printed indelibly in a visible place.			
<b>DESIRABLE REQUIREMENTS</b>					
5.1.25	TENSION STABILIZER	Module that protects the product against voltage fluctuations of the mains. (No UPS)			
5.1.26	EXTERNAL GENERAL SWITCH	General switch of the product with external access for the user.			
5.1.27	OVERLOAD PROTECTION	Protection that opens the power when the electricity limit is exceeded.			

## 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 SPAREPARTS LIST	Document with the list of parts and spare parts of the solution.	
5.2.3	CERTIFICATIONS	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	ASSEMBLY GUIDE (if applicable)	This document is mandatory in case the product is sent in the form of KIT and needs to be assembled at Ceibal	

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

## 6. ANNEX I: Quotation Tables

LOADING CART		
VOLUME	UNIT PRICE, US\$ CIF MVD	OBSERVATIONS
between 0 and 100		
between 101 and 300		
between 301 and 500		
more than 501		
Loading Cart – SPARE PARTS		
SPARE PART (*)	UNIT PRICE, US\$ CIF MVD	OBSERVATIONS
...		
...		
...		

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