



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
**Don Severino de las Alas Campus**  
 Indang, Cavite

**SUPPLY, DELIVERY, INSTALLATION, TESTING, AND COMMISSIONING OF BRAND-NEW PASSENGER ELEVATOR FOR THE CEIT-DCEEE BUILDING (Main Campus)**

Contract Description	:	
Procurement Method	:	Public Bidding
Approved Budget for the Contract	:	₱ 4,000,000.00
Source of Fund	:	
Pre-Procurement	:	

**Project Brief Description/Specifications:**

Ten (10) person capacity elevator with the following specifications will be installed at CEIT-DCEEE building.

**BASIC SPECIFICATIONS**

1. Supply of Imported Equipment 5 Stops MRL Passenger Elevator (10 Passenger/800 kg) W2200mm X D2100mm (Shaft net size)/Cabin dimension W1500 X D1550mm
2. Installation – Locally Supplied Materials, Civil Works-Restoration of landing door, Landing Operating Panel LOP, machine block-out, including necessary permits (Permit to install & Permit to operate)
3. Supplied Labor and Materials for the extension of the elevator shaft (Civil works), Labor and Materials for electrical supply for elevator.

**PASSENGER ELEVATOR: BRANDNEW**

Type	Passenger Elevator Car
Model	Latest Model
Speed(m/s)	1.6m/s
No. of floors to be served	5 FLOOR, 5 STOPS, 5 DOORS
Rated speed	1.0 meter/sec
Rated Capacity	10 passengers (800kgs)
Passenger Goods Elevator Entrances	One number in each floor
Method of control	Variable Voltage variable frequency (VVVF) control
Flooring of Car	Car floor shall comprise of a smooth nonslip surface.
Construction and finish of car	Hairline Stainless Steel finish
Car door	Hairline Stainless Steel finish
Travel Height	17.30m
Shaft size	2.48 x 2.48m
Power Supply	230Volts, 3Phase, 50/60Hz 3 Wires +Ground
Power Supply accessories	Automatic voltage Regulator for each car
Car and Landing Position Indicator	Light Emitted (LCDTFT)
Landing position indicator	Light Emitted (LCDTFT)

**PASSENGER ELEVATOR: BRANDNEW**

Arrival gong	On-car Filipina (Female Tagalog Voice Recording)
Intercom System	Two-way
Attendant control	
Aluminum Ladder pit	
Out of Switch Control	
Emergency power	
Evacuation control	
CCTV wiring provisions	
Earthquake Sensor	

**Standard Control Features:**

Alarm	
Automatic return to main floor	No homing
Door final timer	
Door pre-opening	
Emergency light in car	
Light curtain	
Overloading warning	
Control system access for Person with Disability (PWD):	Braille for visually impaired railings

<b>Operation of Elevator</b>	Automatic, simplex, selective, collective with and without attendant, through illuminated pushbutton station located inside the car with provision for locking control in Auto or attendant position.
<b>Signals / Indicator</b>	Car position informer, hall position indicator at all floors, battery operated alarm bell and emergency, soft touch keys and digital luminous display in car operating panel and on all floor's landings. light with suitable battery, charger & controls, Overload warning indicator with visual & audio annunciation.
<b>CCTV Ready ELEVATOR CAR</b>	The car platform frame and sling shall be of steel construction. The platform shall be suitably isolated from its sling. The car shall be enclosed with suitably braced and reinforced sheet metal panel. The sheet metal panel shall have ventilation slots at the base. The car interior, the car doors and the landing doors shall be finished with two coats of baked enamel. All other exposed steel or cast surfaces shall be painted with one coat of suitable metal primer and two coats of machinery enamel paint.
<b>CAR DOOR</b>	The car door shall be of hollow metal construction minimum 16-gauge thick sheet steel.
<b>LANDING DOORS</b>	All landing openings in the Lift well enclosure shall be protected with doors which shall extend the full height and width of the landing opening. The locking device is closed until the door is closed. The levers operating the locking devices shall not interfere with the landing side or Elevator enclosures. Landing doors of the elevators shall have fire resistance of at least one hour. These doors shall also be smoke tight as far as possible.
<b>SUSPENSION ROPES</b>	The car and the counter weights shall be suspended by steel wire ropes.
<b>SHEAVES AND PULLEYS</b>	All driving sheaves and pulleys fixed to and revolving with the shaft shall be fixed by means of sunk keys of sufficient strength and quality.
<b>SHAFT</b>	Shafts and axles shall be forged steel. They shall have sufficient rigidity and bearing surface. Any shaft when stepped shall be turned to a reasonable radius at the point of reduction.
<b>COUNTER WEIGHTS</b>	The Elevator shall be provided with suitable counter weights located in the Lift shaft. The counter weight shall be designed for smooth and easy operation of the Elevator and shall be in accordance with Standard (or) equivalent International Standard.
<b>GUIDE RAILS</b>	Guide rails for the car and counter weights shall be machined 'T' sections and continuous throughout the entire length and shall be provided with adequate steel brackets or equivalent fixing of such design and spacing between brackets shall be such that to avoid any deflection during the formal operation.
<b>EMERGENCY SAFETY DEVICES AND BRAKES</b>	The Elevator shall be provided with safety device attached to the Elevator car frame and placed beneath the car. The safety device shall be capable of stopping and sustaining the Elevator car up to governor tripping speed with full rated load in car. The application of the safety device shall not cause the Elevator platform to become out of level in excess of 3 cm/m measured in any direction.
<b>OVERLOAD DEVICE</b>	Every passenger Elevator shall be provided with an overload device, which will prevent the Elevator from starting in case the Elevator car is loaded to 110 percent of the rated capacity of the Elevator or more. Elevator shall remain stationery with door open. Audio & visual warning device (Load weighing device) shall be provided to alert the passenger in case of overload.
<b>MACHINE ROOM AND OVERHEAD STRUCTURES</b>	All the overhead machinery shall be supported on beam to be furnished by the contractor.

**OPERATION AND INTERLOCKS**

The operation of the Elevator shall be simple, selective, collective, and automatic, with or without operator. The Elevator operation shall conform to the following requirements.

- i) The operation of the Elevator shall be through a push button station located inside the car.
- ii) The Elevator shall not move unless the car door, landing door and all other protected openings connected with the control circuit are closed.
- iii) Two push buttons, one for upward and the other for downward movement at each intermediate landing and one push button at each terminal landing shall be provided in the landing floors in order to call the car.
- iv) The landing doors shall be interlocked so that the landing door at any floor shall not open when the Elevator is not on that floor.
- v) Push button shall be fixed in the car for holding the doors open for any length of time required.

**WARRANTY**

The Elevators Parts shall have guaranteed against factory defects and faulty workmanship under normal operating condition for the period of (12) Twelve months upon completion and turnover. Any parts found to be defective within the period, not attributed to normal wear and tear or incorrect operation shall be replace free-of-charge

**OTHER INCLUSIONS**

- 1. Supply of Labor, Tools, Equipment, Installation with Signage, Testing & Commissioning of One Unit Passenger Elevator with Permit to install and Operate (OBO Permits & Professional Fees for Permit necessary for utility application).
- 2. Custom Clearance, Duties & Taxes, Brokerage Fee, Delivery & Unloading.

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