

NOTICE INVITING BUDGETORY OFFERS

Name of Work	“REPLACEMENT OF ELECTRICAL FIXTURES & REWIRING AT PORTS GUEST HOUSE”
Date of submission of budgetary quotation	On or Before 10.09.2024 at 15.00 Hrs.
Address for communication:	Executive Engineer (E-HL), 1st floor, Electrical Maintenance Cell, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594271, 2594215, 2594241 Email : xene.mgpt@gmail.com
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**EXECUTIVE ENGINEER (E-HL)
MORMUGAO PORT AUTHORITY**

Sub: "REPLACEMENT OF ELECTRICAL FIXTURES & REWIRING AT PORTS GUEST HOUSE"

Ref: Budgetary Quotation No. CME/XEN(E-HR)/HL03/2024/08

Mormugao Port Authority intends to carryout work of **"REPLACEMENT OF ELECTRICAL FIXTURES & REWIRING AT PORTS GUEST HOUSE"**.

As such, it is requested to kindly furnish budgetary quotation for the same (Scope of work, technical specifications are enclosed at Annexure-I and Price Schedule enclosed at Annexure- II.

Your budgetary quotation should reach to this office on or before **10.09.2024** at **1500** Hrs.

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HL)

TITLE OF WORK: “ELECTRICAL REPAIR WORKS AT PORTS GUEST HOUSE”

1. GENERAL

Mormugao Port Authority proposes to carry out Electrical repair works at Port’s Guest House as per technical specifications.

2. SCOPE OF WORK

- 2.1** The Scope of work includes replacement of existing electrical fixtures, providing new electrical points and rewiring at Port’s Guest house, as detailed below.
- 2.2** Supply, Installation and commissioning of Metal clad boxes with 20A MCB for Air Conditioners with metal socket & top plug. Installation to be carried out on existing wall of the Dormitory.
- 2.3** Supply & Wiring with 2 x 2.5 mm² + 1 x 1.5 mm² copper wire through separate PVC casing capping from lighting DB to 05 nos. AC metal clad box. Casing capping to be carried out using suitable Tee’s and elbow covers and fasten the casing for every meter.
- 2.4** Supply, installation and connection of 12 way SPN lighting double door DB’s with 3 PN 63 Amp MCB – 1 No, & 20 – 32 Amp single pole MCB, 8 Nos. Installation to be carried out at Dormitory building wall. The DB shall be metal surface mounted and pre-wired including termination points for earthing and neutral strips.
- 2.5** Supply and installation of 20 Way Surface mount DB with Incomer 4P, 40 A MCB, Outgoing 09 Nos 20 A, SP MCB in the conference room. The DB shall be prewired with earthing and neutral strips.
- 2.6** Supply and wiring with 4 x 4 mm² + 1 x 1.5 mm² copper wire through PVC casing capping for lighting circuit from main panel to light DB at Dormitory. Casing capping to be carried out using suitable Tee’s and elbow covers and fasten the casing for every meter. Termination of wires using suitable lugs and glands at Main panel and lighting DB.
- 2.7** Supply and installation of 1.2m Sweep ceiling fans of White colour in the conference room and in open seat out area.

- 2.8** Supply and installation of 4 feet and 2 feet LED Tubelights, the wiring to the primary light as well as secondary light point shall be carried out using 1.5sqmm Copper FRLS wires using appropriate casing and capping etc. The LED light point shall be provided with ceiling rose and complete in all respect.
- 2.9** Supply & Installation of 45 W & above, LED Chandelier luminaire comprising of 05 Nos. LED bulbs, 230V, CCT>5000, on the ceiling. Material: Metal/Acrylic, round type, Dia above 50 inch, inbuilt luminaire, Body Colour: Gold. The luminaire sample should be approved by Engineer in charge and shall be installed at ceiling and connected to the existing wiring using suitable connectors. All accessories including chain link required for installation shall be in contractor's scope.
- 2.10** Supply, installation, connection & commissioning of Decorative type Ceiling light fixture with B22 bulb holder including 9W LED bulb. Superior quality white glass diffuser, metal antique body. The luminaire should be approved by engineer in charge and shall be installed on the ceiling and connected to the existing wiring using suitable connectors. All accessories required for installation shall be in contractor's scope.
- 2.11** Supply, installation, connection & commissioning of Decorative type wall lamp with B22 bulb holder including 9W LED bulb. Superior quality white glass diffuser, metal antique body with brushed nickel finish. The luminaire should be approved by engineer in charge and shall be installed on the wall and connected to the existing wiring using suitable connectors. All accessories required for installation shall be in contractor's scope.
- 2.12** Supplying and installation of phenolic laminated sheet cover for the switchboards and installation of 6 Amps, 15 Amps switch socket wherever required.
- 2.13** Supply and installation of 10 cm X 10 cm FRP JB for Housing old Wire Joints with required 10 nos. of Elmax at kichen area.

- 2.14** Supply and Installation of Modular Surface mount Switchboard consisting of 2 fan regulators, one 15 Amps Switch and Socket, one 6 Amps socket and Six 6 amps Switch at Open seat out area.
- 2.15** The items specified shall be of the same pattern to maintain uniformity in the Guest house.
- 2.16** Supply, installation, testing & commissioning of Geyser
Capacity 15Ltrs,
Voltage: 230 Volts AC, 50 Hz.
Mounting: Suitable for vertical mounting.
Installation inside Guest house toilet wall. Connection to existing water line using standard geyser flexible braided pipe. All accessories to complete and commissioning the geyser is in contractor's scope.
- 2.17** Supply, installation, testing & commissioning of Insect-o-cuter
Dual calling type, UV lamp
Model: 2 x 20W
Lamps: 2 x 24"
Installation on the Guest house wall and connect to the existing supply using necessary connectors. All accessories to complete and commissioning the insect o-cuter is in contractor's scope.
The work schedules at the time of execution will have to be planned in co-ordination with the Engineer-in-charge and guest house management, in order to avoid interferences with guest house functions.

3. TECHNICAL SPECIFICATION:

Sr. No	ITEM	SPECIFICATIONS
1	MCB	<ul style="list-style-type: none"> • Rated short circuit capacity 10kA • C curve MCB • Protection: IP20 • Rated voltage & frequency: 240V & 50Hz

		<ul style="list-style-type: none"> • Conforming to IS/IEC: 60898-1 2002 with latest amendments • Breaking capacity not less than 25KA.
2	Wires	<ul style="list-style-type: none"> • 650/1100V Grade • PVC Insulated • Conforming to IS: 694/1990 with latest amendments
3	SWITCHES, SOCKETS, GANGBOX, A.C METALCLAD BOX & TOP PIN AND FAN REGULATORS	<ul style="list-style-type: none"> • Confirming to relevant IS Specification with latest amendments • Protection IP20
4	CASING CAPPING	<ul style="list-style-type: none"> • Colour: White
5	Light Fixtures	<ul style="list-style-type: none"> • Confirming to relevant IS Specification with latest amendments
6	Lamps and Tubes	<ul style="list-style-type: none"> • Confirming to relevant IS Specification with latest amendments
7	Ceiling fans	<ul style="list-style-type: none"> • Ceiling fan Size:1200mm
8	Cable lug & Cable Gland	<ul style="list-style-type: none"> • Confirming to relevant IS Specification with latest amendments
9	PVC conduit pipes	<ul style="list-style-type: none"> • Confirming to relevant IS Specification with latest amendments
10	LDB	<ul style="list-style-type: none"> • CRCA sheet/FRP double door DB and ensure smooth, scratch resistant surface coatings, suitable for flush type mounting. • Confirming to IEC 60647-2 • With bus bar, neutral link and earth bar. • IP43 protection.

4. Completion Period:

4.1 The entire work shall be completed within 90 days from date of issue of Letter of Acceptance (LOA).

5. Security Deposit:

- 5.1** An amount equivalent to 10% of the contract value shall be deducted from the invoice generated by the Contractor and withheld as Security Deposit.
- 5.2** The SD same will be refunded to the contractor after one year from the date of satisfactory completion of work and acceptance by Port.
- 5.3** The Board may, at its option, forthwith forfeit the above Security Deposit in whole or part, if in the opinion of the Board the contractor has failed to fulfill any or all of the conditions of this contract without prejudice to any and all rights of the Board to recover from the contractor any amount falling due to the Board through non-observance by the contractor of any of the clause thereof.

6. Payment Terms:

- 6.1** 100% payment after satisfactory completion of the works.
- 6.2** The payment will be released within 15 days from the date of receipt of undisputed bills in duplicate and with all other supporting documents (IT returns for last two years).
- 6.3** The contractor shall furnish their bank account details alongwith other details as per Appendix-I and copy of the PAN card and GST Registration. The payment will be made in ECS mode.

7. SPECIAL TERMS AND CONDITION:

- 7.1** The contractor at his own cost may visit MPA site, before quoting for the tender if necessary.
- 7.2** Power supply and water shall be provided to contractor free of cost from the nearest available point for execution of the work. However the supply cable and associated switchgear has to be arranged by the contractor.
- 7.3** All the material required for execution of the work has to be arranged by contractor at his own cost.
- 7.4** After completion of the subject work, the contractor shall clear the area of any unwanted scrap while handing over. As the work location is a guest house, the contractor shall ensure neatness in all works and if any

work is found to be untidy the contractor shall re-do or re-dress the same to the satisfaction of the contractor.

7.5 Work shall be carried out following all environmental norms.

7.6 Contractor shall follow all safety regulations as per relevant and prevailing standards.

7.7 All the old electrical removed fixtures shall be handed over to MPA Scrapyard at Baina by using his own transport and manpower.

7.8 Payment will be made as per actual quantities and actual service items executed.

PRICE SCHEDULE

Name of the Work: Electrical Repair Works at Guest House

Sr. No	Description	Qty.	Unit	Rate	Amount (Excl. of GST)
1.	Supply, installation of phenolic sheet having 04 nos. Fan regulators and 10 nos 6 Amps Switch, of relevant size as per technical specifications.	01	Nos		
a.	Supply	01			
b.	Installation	01	Nos		
2.	Supply, installation of phenolic sheet having 06 nos. Fan regulators and 16 nos 6 Amps Switch, of relevant size as per technical specifications.	01	Nos		
a.	Supply	01			
b.	Installation	01	Nos		
3.	Supply and installation of 4 feet LED Tube lights with ceiling rose, wiring etc. complete as per site requirement and technical specifications.	40	Nos		
a.	Supply	40	Nos		
b.	Installation	40	Nos		
4.	Supply and installation of Surface mount Modular 6 Amps Switch and Socket with relevant wiring and taping power from nearby power supply source at distance not more than 4 Mts. As per site requirement.	02	Nos		
a.	Supply	02	Nos		
b.	Installation	02	Nos		
5.	Supply and installation of Insectocutors as per Technical specifications.	04	Nos		
a.	Supply	04	Nos		
b.	Installation	04	Nos		
6.	Supply and installation of 10 cm X 10 cm FRP JB for Housing old Wire Joints with required 10 nos. of Elmax.	04	Nos		
a.	Supply	04	Nos		
b.	Installation	04	Nos		
7.	Removal of Old exposed GI Conduit Pipe and relaying the	25	Mts		

	inside wiring through new casing capping.				
8.	Supply and Installation of Modular Surface mounted Box housing 25 Amps MCB and one 6 Amps Switch.	01	Nos		
a.	Supply	01	Nos		
b.	Installation	01	Nos		
9.	Supply, installation of phenolic sheet having 08 nos. Fan regulators and 25 nos. 6 Amps Switch and 01 Nos 5 amps Socket, of relevant size as per technical specifications.	01	Nos		
a.	Supply	01	Nos		
b.	Installation	01	Nos		
10.	Supply and installation of 8 nos. of ceiling fans of White colour and 1.2 m sweep.	08	Nos		
a.	Supply	08	Nos		
b.	Installation	08	Nos		
11.	Supply and installation of 20 Way Surface mount DB with Incomer 4P, 40 A MCB, Outgoing 09 Nos 20 A, SP MCB. The DB shall be prewired with Earthing arrangement.	01	Nos		
a.	Supply	01	Nos		
b.	Installation	01	Nos		
12.	Supply and installation of 2 feet LED Tube lights with ceiling rose, wiring etc. complete as per site requirement and technical specifications.	04	Nos		
a.	Supply	04	Nos		
b.	Installation	04	Nos		
13.	Supply and installation of ceiling fans of White colour and 1.2 m sweep. The work involves fixing of U clamp to Existing Shed	04	Nos		
a.	Supply	04	Nos		
b.	Installation	04	Nos		
14	Supply and Installation of Modular Surface mount Switchboard consisting of 2 fan regulators, one 15 Amps Switch	02	Nos		

	and Socket, one 6 Amps socket and Six 6 amps Switch.				
a.	Supply	02	Nos		
b.	Installation	02	Nos		
15.	Supply, Installation and commissioning of Metal clad boxes with 20A MCB for A.C. with metal socket & top pin.	05	Nos		
a.	Supply	05	Nos		
b.	Installation	05	Nos		
16.	Supply & Wiring with 2 x 2.5 mm ² + 1 x 1.5 mm ² copper wire through separate PVC casing capping from light DB to AC points. 3 Nos.	50	Mts		
17	Supply, installation and connection of 12 way SPN lighting DB's with 3 PN 63 Amp MCB – 1 No, & 20 – 32 Amp single pole MCB, 8 Nos.	01	Nos		
a.	Supply	01	Nos		
b.	installation				
18.	Supply and wiring with 4 x 4 mm ² + 1 x 1.5 mm ² copper wire through PVC casing capping for lighting circuit from main panel to light DB at Dormitory.	20	Mts		
19.	Supply, installation, connection & commissioning of Geyser Capacity 15Ltrs, Voltage: 230 Volts AC, 50 Hz. Mounting: Suitable for vertical mounting	25	Nos		
a.	Supply	25	Nos		
b.	Installation	25	Nos		
20.	Supply & Installation of 45 W & above LED chandelier luminaire, 230V, CCT>5000, on the ceiling. Material: Metal/Acrylic, round type, Dia above 50inch, inbuilt luminaire, Body Colour: Gold No. of lamps: 05Nos.				
a.	Supply	50	Nos		
b.	Installation	50	Nos		
21.	Supply, installation, connection & commissioning of Decorative type Ceiling light fixture with B22 bulb holder including 9W LED				

	bulb. Superior quality white glass diffuser, metal antique body. The luminaire should be approved by engineer in charge and shall be installed on the ceiling and connected to the existing wiring using suitable connectors. All accessories required for installation shall be in contractor's scope.				
a.	Supply	40	Nos		
b.	Installation	40	Nos		
22.	Supply, installation, testing & commissioning of Decorative type wall lamp with B22 bulb holder including 9W LED bulb. Superior quality white glass diffuser, metal antique body with brushed nickel finish	40	Nos		
a.	Supply	40	Nos		
b.	Installation	40	Nos		
23.	Supply and Installation of Phenolic Sheet of Size 4" x 4" to 12" x 12" to Cover the non-functional Electrical Wooden Box or For old Switch Boards	10	Nos		
24.	Supply and Installation of 6 Amps Switch as per requirement of replacement.	50	Nos		
a.	Supply	50	Nos		
b.	Installation	50	Nos		
25.	Supply and Installation of 5 Amps Sockets wherever requirement of replacement.	10	Nos		
a.	Supply	10	Nos		
b.	Installation	10	Nos		