

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING BUDGETARY OFFERS

Name of Work	Shifting of Power Factor Improvement System
Date of submission of offers	on or before 11/04/ 2016 at 1430 Hrs.
Address for communication:	Executive Engineer (G) Engineering Mechanical Dept., Mormugão Port Trust, Admin Offices, Sada Mormugão, Goa – 403804.
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CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST

SCOPE & SPECIFICATIONS

Name of Work: **Shifting of Power Factor Improvement System**

Description:

The work involves relocating the 2 MVA Transformers, Capacitors and racks, as well as the Power and Control Panel along with associated Bus bars and Chamber from the present building to one of the rooms of the Sub-station building, about 32 metres away.

Scope of work:

Part I:

Construction of an RCC pedestal outside of shutter #4 of the sub-station, suitable for mounting of 2 nos 2MVA 33kv/415v oil filled transformers (total weight of each transformer with oil=7850Kg) on reclaimed soil with 5T/m² S.B.C. Concrete mix shall be M25, proper curing etc. A pair of embedded steel strips suitably spaced apart is to be provided to serve as a track for movement of the transformer rollers.

Part II:

1. Dismantling the existing bus duct connected to the secondary side of the 2MVA transformer, after disconnecting the busbars inside the duct and re-installing the same at the designated room in the sub-station.
2. Disconnecting the 2MVA 33KV/415v oil filled transformer, shifting and re-installing the same (outdoor) on the newly constructed RCC pedestal
3. Dismantling the Capacitor control panel comprising of 24 cubicles and re-installing the same (indoor) at the designated room in the sub-station.
4. Disconnecting the power cable of each capacitor at both ends, dismantling the MS racks holding the capacitor bank and re-installing the same (indoor) at the designated location.
5. Providing 3 nos of Earthing stations, 1 each for neutral grounding, equipment grounding & panel grounding. The earthing shall be plate earthing as per IS 3043 specifications and the earth resistance shall be less than 0.5 ohms.
6. Laying of a length of about 65 mtrs of screened XLPE aluminum conductor armored cable of size 3x300 mm² within the existing Substation indoor cable trench. (Cable which will be supplied by the Port shall be transported by the contractor from MM complex, Baina to the substation) to connect the relocated 2 MVA Transformer primary to the corresponding Breaker on the 33 KV main panel.

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7. Making necessary Raychem make heat shrinkable end terminations for the newly laid 3x 300mmsq XLPE cable.
8. All the existing control, indication, alarm, interlocking and protective devices with wiring and interconnecting cable, which are disconnected for the purpose of panel relocation, and which are integral parts of or are directly associated with or mounted on the switchgear panels, are to be restored to ensure safety, proper sequence and correct operation of the equipment.
9. Testing and re-commissioning of the system as a whole.

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SCHEDULE OF RATES/PRICES

Name of Work: Shifting of Power Factor Improvement System

Part I:

Sr. no.	Description	Estd. Qty	Unit	Rate per unit (Rs.)	Amount (Rs.) (In figures and words)
1.	Construction of an RCC pedestal as described at Part I of the Scope of Work	1	No.	Lumpsum	

Part II:

Sr. no.	Description	Estd. Qty	Unit	Rate per unit (Rs.)	Amount (Rs.) (In figures and words)
1.	Dismantling and Re-installing as described in steps 1 to 9 at Part II of the Scope of work	1	No.	Lumpsum	

Total of Part I and Part II Rs.

(Rupees _____ only)

authorized

Date : _____

Place: _____

Signature of

Representative with
Office seal of firm

Note:

Rates quoted above shall include cost of materials, consumables, labour, transport etc. required for execution of the tendered work as well as inclusive of taxes, duties, levies, etc. except service tax which will be paid extra as applicable.