



RRMD, BARC  
Trombay  
Mumbai - 400 085  
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**Government of India  
Bhabha Atomic Research Centre  
Research Reactor Maintenance Division  
Electrical Maintenance Section**

**TENDER NOTICE**

Tender Notice No: RRMD/TR-1/TN/ 48 /2018

Date 10 / 10 /2018

**Sub:** procurement new panel for LCP starters & replacement of LT Panel for orifice pit, repairing of base frame and side plate of MCC of MOS pump.

Sealed tenders are invited for and on behalf of the President of India by the Head, RRMD Reactor Group, BARC, Trombay, Mumbai-400085 from experienced vendors for Fabrication and supply of LCP starter panels, repairing of base frame and side plate of MCC of MOS pump house, installation & testing of LT Panel including rewiring of lighting and power point for orifice pit, outside Dhruva, as per specifications.

**1.0 Description of the work:**

- 1.1 Procurement of new panel for LCP control as per specifications.
- 1.2 Repairing of MCC of MOS:
  - Cutting, Removal and shifting of existing corrode Base frame of MCC of MOS.
  - Repairing/ replacement of corroded bottom / side plate.
  - Fabrication, Supply, installation of new base frame for existing panel.
  - Repulling of existing of power and control cables for lifting the panel.
  - Painting of MCC of MOS.
- 1.3 Replacement of LT panel of Orifice pit:
  - Cutting, Removal and shifting of old damaged LT panel.
  - Fabrication, SITC of new LT panel with accessories.
  - Rewiring of light and power point for orifice pit.

**2.0 Terms and conditions:**

- 2.1 The offer should be valid for consideration for 30 days from due date of the offer.
- 2.2 Contractor should complete the whole job within 3 months after receipt of work order.
- 2.3 On complete execution of the work to our satisfaction, payment would be released on submission of bills in triplicate along with an advance stamped receipt.
- 2.4 **The vendor should also clearly reply in his tender to "whether the contractor / vendor has any relative working in BARC or the contractor himself is an ex-employee of BARC or the contractor has any ex- employee of DAE on his payroll".**

- 2.5 Since the job has to be carried out at Dhruva BARC, the employees deputed at site by the contractor should have a **valid police verification certificate/ vigil pass**. Due to urgency of work only those vendors will be considered who are having valid documents and worked in DAE earlier.
- 2.6 Contractor should mention their valid **PAN No. and GST No.** in the quotation, failing which the offer shall be rejected.
- 3.0 Instructions to tenderers:**
- 3.1 Tenderers should submit documents in support of their technical capabilities. Material supplied should be approved by EIC before delivery. Vendors who have done similar work/civil work will only be considered.
- 3.2 **Price quoted shall be filled up in the same format given in the Schedule-B with GST and no other charges will be payable.**
- 3.3 Tender shall be submitted in the sealed cover in the vendor's standard company format quoting our **Tender no.** on the envelope and addressed to 'Head, RRMD, BARC, Trombay, Mumbai-400085 and submitted in the RG Office, Dhruva'. The offers should be submitted so as to reach RG Office, Dhruva on or before **22-10-2018** up to 1500 Hrs. **Tender is to be sent only through registered post or speed post to, AO, RG Office, Dhruva Reactor, BARC, Mumbai 400085. Hand delivery or courier of tenders will not be accepted.**
- 3.4 Tenders shall be opened on the same day at 1530 Hrs. in RRMD, Office BARC. Interested parties may contact Shri Rajkumar / Shri. M K Saraswat on phone no. 25594310 / 25596225 from 10 a.m. to 5 PM to visit the site and collect the tender notice & technical specification. Tender notice can be collected up to 1600 Hrs. **12/10/2018**. Downloaded tender notice will not be considered.
- 3.5 The acceptance of the tenders will rest with Head, RRMD, Reactor Group who does not bind himself to accept the lowest offer, and reserves to him the authority to reject any or all the tenders received without assigning any reason.
- 3.6 Quotation received after the due date and time shall be summarily rejected.

Thanking you,

Yours faithfully,

Sd/-

Head, RRMD  
(For and on behalf of the President of India)

Enclosures: Schedule –A & B

**Schedule -A**

Tender Notice No: RRMD/TR-1 /TN/ 48 /2018

Date 10/ 10 /2018

**Name of Work:** procurement new panel for LCP starters & replacement of LT Panel for orifice pit, repairing of base frame and side plate of MCC of MOS pump.

<b>Sl. No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>
1.	Water	As required	Litre	Free
2.	Electricity	As required	KWH	Free

(M K Saraswat)  
SO/D

Annexure -A

**Schedule – B**

Tender Notice No: RRMD/TR-1/TN/ 48 /2018

Date 10/ 10 /2018

**Name of Work:** procurement new panel for LCP starters & replacement of LT Panel for orifice pit, repairing of base frame and side plate of MCC of MOS pump.

Sr. No.	Name /Description of items	Unit	Qty	(Rate/unit in Rs.)	Total Cost(Rs.)
1.	Fabrication, Supply, installation, testing and commissioning of LT panel as per technical specification including cutting and removal of existing panel and rewiring of lighting and power plug point in orifice pit area as per specification.	Nos.	1		
2.	Fabrication, Supply, and installation of new base frame for existing panel as per specifications including cutting and removal of old frame.	Nos.	1		
3.	Fabrication and Supply of M.S. Powder coated Ivory color enclosure etc. as per specifications.	Nos	3		
4.	Spray painting of exterior of existing panel .Covering of all electrical items/meters, indication lamp etc. by paper/tape, scrapping of existing paint, two coat of red oxide and one coat of enamel paint Asian Make. note down nomenclature and after painting write in same place of panel.	Sq. Mtr.	15		
	Total				

Basic Cost: = Rs.

GST @ % = Rs.

Total = Rs.

Seal & Sign  
Contractor

**Technical Specifications****1. SITC of LT power Panel and rewiring of lighting and power plug point at orifice pit:**

Supply, installation, testing & commissioning of LT panel cubicle type fabricated out of 2mm thick M.S. CRCA sheet, powder coated BARC Grey colour after 7 tank treatment, wall mounting type with angle frame fabricated out of 40X40X5mm M.S. angle and as per the BOM given below, including cutting and removal of existing panel after disconnection of existing cables and earthing, re termination of all dismantled cables and earthing on new panel. Installation of the panel at site will be done as per specification or as per directed by EIC. All required power / control wiring and bus bar will be used as per proper rating and reputed/ approved make.

**Bill of material**

<b>LT Panel</b>				
<b>Sr. no.</b>	<b>Specification of material</b>	<b>Unit</b>	<b>Qty</b>	<b>Remark</b>
1.	Legrand make 415V,125A, 4 Pole MCCB with thermal magnetic type breaking Capacity 25 KA	No.	1	Incomer
2.	Legrand make 415V,60A 4 Pole MCCB with thermal magnetic type breaking Capacity 25KA with ON/OFF LED type indication lamp with MCB of 2Amp	set	3	Out going
3.	Rishab Make MDM Meter	No.	1	Voltage/Current/Power
4.	LED type Indication lamp with fuse/MCB for R/Y/B indication	set	1	Main incomer side.
<b>Rewiring of lighting &amp; power plug point:</b>				
5.	20Watt,230V,50Hz , Aluminum die cast body LED flood light at two position with separate control as per relevant IS standard, confirming IP-67.	Nos	02	(preferred make Syska /Orient)
6.	Surface mounted Power plug points with combination of 15 & 5 Amp in combined box 1X6 module powder coated metal box with separate control switch.	Nos.	03	(Legrand make)
7.	Main single phase metal powder coated DB with 32 Amp double pole MCB with 6 circuits along with 16 A MCB (each) with B characteristic.	Nos	01	Legrand make mounted in LT power panel.
8.	3 core ,2.5 sqmm stranded copper conductor, XLPE insulated with armouring FRLS cable will be used to provide power supply for	Meter	25	Reputed make

	lighting and power circuit. Cable will be proper dressed with SS saddling			
9.	Earth wire 14 SWG bare copper wire	kg	2	provides at all points

## 2. Supply installation of new base frame for MCC:

Fabrication Supply, and installation of new base frame for existing panel, supply of powder coated black color new base frame fabricated out of ISMC 75 C channel as per size of existing panel.

Removal of all control /power cables size varies from 2.5 to 300sqmm after making proper records of existing terminations, removal of panel earthing, Repulling of existing of power and control cables may be required for lifting the panel.

Cutting of existing angle frame used for the support of cable tray and fixing of new support with beam as per site requirement. Panel to be lift by using try pole arrangement and chain pully, cutting and dismantling of existed rusted base plate, repairing panel side plate by proper welding new plate on the rusted portion. New base frame to be installed on floor by proper size anchor fasteners, tighten of panel with base plate by using 10mm GI nut bolt. then re termination of all dismantled control / power cables and panel earthing.

All used material should be of reputed make or as directed by EIC. It is duty of the vender to check/inspect the exact scope of work at site before submitting the quotation.

## 3. Supply of M.S powder coated enclosure:

Fabrication and Supply of M.S. Powder coated Ivory color enclosure having Size 24"X14"X14"(600X350X350mm) with inside plate 11"X6"(275X150mm) & 11"X17"(275X425mm) fabricated out of 2mm thick (14SWG) MS CRCA sheet with 3 nos. 22.5 mm hole and 1 no 96X96mm cut out , hinged door, door locking arrangement and with handle. M.S. enclosure will be mounted on 15"(372mm) height M.S. powder coated angle frame fabricated out 40X40X5mm M S angle and as per depts. approved drawing. Or as directed by EIC.

## 4. Painting:

Spray Painting is to be carried out for exterior of existing panel. Covering of all electrical items/meters, indication lamp etc. by paper/tape, scrapping of existing paint, two coat of red oxide and one coat of enamel paint Asian Make or as directed by EIC. note down nomenclature before painting and write in same location after painting job.

**Note:** All fabrication work is to be carried out as per standard procedures. Material used should be of good quality as per approved list of BARC. Job is to be completed in all respect and if anything, which is not mentioned here but necessary to complete the work is to be supplied and installed by the vender without any extra cost. All the area is to be cleaned after completion of the entire job. **It is mandatory the vender to check/inspect the exact scope of work at site before submitting the quotation.**