



PARALA MAHARAJA ENGINEERING COLLEGE

(An Autonomous college affiliated to Biju Patnaik University of Technology, Odisha, Rourkela)

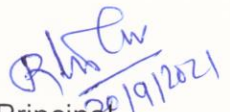
SITALAPALLI, BERHAMPUR, DIST.: -GANJAM, PIN – 761003

No. PMEC/Estt./ 1281

Date:- 20/09/2021

QUOTATION CALL NOTICE

1. Sealed quotations are invited from Original Equipment Manufacturers (OEM) for **Single Phase Shunt Active Filter Trainer-1 kVA**.
2. Last date & time for receipt of quotation **30-09-2021** up to **12:30 PM**.
3. To be opened on **30-09-2021** at **1:30 PM** sealed quotations are invited for **Single Phase Shunt Active Filter Trainer-1 kVA** for the office of the undersigned as per list enclosed / given below herewith after following formalities as laid down below.
 - i. Quotations should be submitted on typed script on one side of the paper. All correction should be duly initiated. Sealed covers containing quotations should be super scribed as **QUOTATION FOR Single Phase Shunt Active Filter Trainer-1 kVA** and to be opened on Dt. **30-09-2021**. Sealed quotations should be sent through Speed Post / Regd. Post to the Principal, Parala Maharaja Engineering College, Sitalapalli, Berhampur, PIN-761003, Dist-Ganjam.
 - ii. Quotations should be furnished with reference to the list of materials enclosed herewith as per the specifications duly quoted. Quotations which do not confirm to the required specifications and not correctly worded as per quotations are likely to be rejected. Any alternative items should be shown separately from that of the specified items.
 - iii. The rate quoted should be valid for 06(Six) months from the date of submission of the quotations.
 - iv. Materials available under rate contract may be referred and rate contract stated will have preference over the other offers.
 - v. The details of taxes chargeable should be clearly mentioned and the rates quoted should be F.O.R. Stores of Parala Maharaja Engineering College, Sitalapalli, Berhampur.
 - vi. Materials as listed overleaf shall be supplied strictly as per the specifications mentioned against each item. All items shall have to be given by you at your cost to the satisfaction of the Consigner on the date and time to be specified by the Consigner.
 - vii. Quotations will be opened in the office of the undersigned on the date and time as stated above. Quotationer or their authorized representative may be present at the time of opening of the quotations.
 - viii. The undersigned reserves right to accept or to reject any or all the quotations without assigning any reasons thereof.
 - ix. Please furnish GST and Income Tax Clearance Certificate along with your quotation.



Principal
PMEC, Berhampur
PRINCIPAL

Parala Maharaja Engineering College
Berhampur

Copy to the Notice Boards, PMEC, Berhampur for wide circulation among the public.




PARALA MAHARAJA ENGINEERING COLLEGE

(An Autonomous college affiliated to Biju Patnaik University of Technology, Odisha, Rourkela)

SITALAPALLI, BERHAMPUR, DIST.: -GANJAM, PIN – 761003

DETAIL SPECIFICATION

Sl. No.	Name of the item with detail specification	Qty.
1	<p>Single Phase Shunt Active Filter Trainer-1 kVA This trainer should consist of the following: 1. PWM controller: Processor and its speed: Spartan-6_LX9 FPGA: High speed connectivity (20 MHz or more) Front End Software Support: USB/JTAG Enabled by ISE Design Suite Linux and Windows Number of Digital I/O s: 100 or more with voltage level 3.3/5V Level Number of ADC Channel: 8, Resolution: 12 Bit, Sampling Time: 1 MSPS, Input Range $\pm 10V$ Number of DAC Channel: 4, Resolution: 12 Bit, Settling Time: 6μs, Input Range: -5V to +5V Connectors: 16 pin header for ADC input, 16 pin header for PWM output 2. IGBT based Single Phase Voltage Source Inverter- 1 kVA IGBT rating: 600V/15A or more with snubber circuit DC link capacitor: 1000μF/ 450V Gate Driver: Driver with inverting, non-inverting, auto-reset and shutdown capabilities Protections: Over-current, Over-voltage etc. Input: Single Phase 50 Hz ac Supply Output: 0-230V/5A (Maximum) 1 no of 1mh/10A iron core inductor should be used as source impedance 1 no of 5mh/10A iron core inductor should be used as filter Inductor 3. Current & Voltage Sensor – Isolation Circuit voltage sensor circuit: 1no, sensing range-(0-400V) Current sensor circuit: 2nos, sensing range-(0-25A) 4. Nonlinear load Single phase diode bridge rectifier of rating 600V,35A with heat sink should be provided 1KW single phase loading rheostat with selector switch should be provided 5. Shunt active filter I/P source voltage: 230V ac rms (Phase to ground) I/P Source Current: 5A (peak) Power Rating: 1kVA</p>	01 no.


Principal 20/9/2021

PRINCIPAL
Parala Maharaja Engineering College
Berhampur