

**PONDICHERRY UNIVERSITY  
TRANSPORT SECTION**

**Requirement of chargers for Battery Operated Vehicles**

Rates are invited from reputed firms for supplying chargers used for recharging 14 seater battery operated vehicles.

The details are as follows:-

1. **No. of chargers required** - 3 Nos.
2. **Purpose** - used for recharging 14 seater battery operated vehicles containing 12 Nos of 6 volt 225 AH batteries.

**Technical specifications and other terms and conditions are in ANNEXURE.**

Interested firms / manufacturers who can supply the chargers as per the required specifications may send full particulars along with terms and conditions in a sealed envelope by **3.00p.m. on 06-03-2013** to the Deputy Registrar (Transport), Pondicherry University, R. V. Nagar, Puducherry – 605 014. The envelopes will be opened at **3.30p.m. on the same day** in the presence of the bidders.

**REGISTRAR**



Schedule of work

**Name of the Work:** Supply, Installation, Testing and Commissioning of micro processor based battery charger with Input voltage 230V AC and Output voltage 72V DC suitable for the Battery Car at Pondicherry University Campus.

Sl.No.	Description of Item	Qty	Unit	Rate	Amount
1.	<p>Supply, installation testing and commissioning of micro processor based battery charger with the following specifications and terms &amp; conditions.</p> <p><b>Specification:</b></p> <ul style="list-style-type: none"><li>i) Input Voltage: 230V AC</li><li>ii) Output Voltage: 72V DC</li><li>iii) Output current: 25A.</li><li>iv) Input frequency: 50Hz <math>\pm</math> 3%Hz</li><li>v) Operating temperature: 0°C to 45°C</li><li>vi) Humidity: less than 80%</li><li>vii) Support battery: "lead-acid liquid batteries" or "No maintenance battery.</li><li>viii) Power Factor: &gt; 0.99</li><li>ix) The charger shall have suitable capacity for trickle charging, float charging and boost charging of batteries connected to the charger.</li><li>x) Noice level &lt; 60 db at 1 meter.</li><li>xi) Air Cooled / Forced air cooled.</li><li>xii) Provided with on board status indication of the charging current, mode of operation and cycle time.</li></ul> <p><b>Protection:</b></p> <ul style="list-style-type: none"><li>i) Output short protection.</li><li>ii) Line/Load protection with suitable MCB.</li><li>iii) Protection against battery reversal.</li><li>iv) System over temperature protection.</li><li>v) Should automatically turn off when battery is fully charged.</li><li>vi) Battery auto-detect.</li></ul>	3 nos.	Each		
				<b>TOTAL</b>	

Terms and Conditions:

- 1) The work shall be carried out strictly in accordance with CPWD General Specifications for the Electrical works as amended up to date.
  - 2) Prior approval of the university is required for all the materials to be used on works. Non- standard quality materials shall not be acceptable.
  - 3) Bad workmanship shall not be accepted. Such work is liable for rejection and shall be rectified by the contractor at his own risk and cost.
  - 4) Payment will be arranged after satisfactory completion of the work.
  - 5) The work should be completed within 15 days from the date of issue of the work order.
  - 6) The unit should have comprehensive warranty against any failure for a period of not less than 2 years.
  - 7) The detailed user manual with proper connection diagrams, precautions etc., should be provided.
  - 8) The enclosure shall be of powder coated.
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