



**Expense Approval Note Against Budget**

Print Date : 29/04/2024

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|------------------------|--|
| <b>Approval ID</b>     | : 108  |
| <b>Approval For</b>    | : ACCOUNT  |
| <b>Department Name</b> | : ELECTRICAL ENGINEERING   |
| <b>SUBJECT</b>         | : Lab Equipment's for Electrical Measurement, Basic Electrical and Machine Lab |

**Details :**



|   |      | Allocation :- 0 |
|---|------|-----------------|
|   |      | Allocation :- 0 |
| Particular  | Qty. | Required Amount |
| Digital Phase Sequence Indicator<br>( Remarks : Make-HTC)   | 1    | 990             |
| Digital Multimeter suitable range<br>( Remarks : Make-HTC)  | 4    | 5400            |
| Energy meter (analog/digital) Single Phase, (15A/230V)<br>( Remarks : Make-Jaipur)                        | 1    | 540             |
| Smart energy meter.<br>( Remarks : Make- L&T)   | 1    | 1980            |
| Wheatstone bridge Kit<br>( Remarks : Make-ARK)  | 1    | 5850            |
| Kelvins Bridge Kit<br>( Remarks : Make-ARK)   | 1    | 6750            |
| Angular Displacement Trainer kit Using Capacitive Transducer<br>( Remarks : Make-ARK)                     | 1    | 7650            |
| Three point starter.<br>( Remarks : Make-ARK)   | 1    | 2340            |
| Four point starter.<br>( Remarks : Make-ARK)  | 1    | 2340            |
| Two point starter.<br>( Remarks : Make-ARK)   | 1    | 2340            |
| Digital Tachometer ( 0-10,000 RPM). Non-Contact type<br>( Remarks : Make-Lutron)                          | 2    | 5760            |
| Capacitor Bank 5A, 250 V suitable range<br>( Remarks : Make-ARK)  | 1    | 8820            |
| Inductor Bank 5A, 250 V suitable range<br>( Remarks : Make-ARK)   | 1    | 12150           |
| Load Bank: Resistive, 3-Phase, 5 kW, 415 V<br>( Remarks : Make-ARK)                                       | 1    | 18450           |
| Load Bank: Resistive, 1-Phase, 1 kW, 230 V<br>( Remarks : Make-ARK)                                       | 1    | 10350           |
| Rheostat- 18 ohm /10A, 250 ohm / 2A, 500 ohm /1 A, 720 ohm / 0.8A, suitable Rang<br>( Remarks : Make-Std) | 1    | 5580            |
| Rheostat (0-500 Ohm. 1.2A), Nichrome wire wound rheostat on epoxy resin or class<br>( Remarks : Make-Std) | 1    | 1800            |
| Rheostat (0-400 Ohm, 1.5A). Nichrome wire wound rheostat on epoxy resin or class<br>( Remarks : Make-Std) | 1    | 3780            |
| Rheostat (0-100 Ohm, 5A), Nichrome wire wound rheostat on epoxy resin or class<br>( Remarks : Make-Std)   | 1    | 5400            |
| Rheostat (0-50 Ohm, 10A), Nichrome wire wound rheostat on epoxy resin or class<br>( Remarks : Make-Std)   | 1    | 5580            |
| High Pressure Sodium Vapor Lamp (HPSV), 250W with holder and wooden box kit<br>( Remarks : Make-Std)      | 1    | 6120            |
| High Pressure Mercury lamp(HPMV), 80W bulb & Choke with wooden box<br>( Remarks : Make-Std)               | 1    | 4950            |
| <b>TOTAL</b>  |      | <b>124920</b>   |

Request to please approve the expense,

Regards,

**Mr. SHRISHAIL PATALE**  
**ELECTRICAL ENGINEERING**

**\* Approval Authority \***

|                                     |                  |                            |   |                  |                            |   |                  |                            |
|-------------------------------------|------------------|----------------------------|---|------------------|----------------------------|---|------------------|----------------------------|
|                                     |                  |                            |  |                  |                            |  |                  |                            |
| <b>20026 - Mr. SHRISHAIL PATALE</b> |                  |                            | <b>20001 - Mr. SANDEEP KHANDAGALE</b>   |                  |                            | <b>10003 - Col. JOY DANIEL</b>  |                  |                            |
| <b>Creator</b>                      | <b>RS 124920</b> | <b>27/04/2024 04:29 PM</b> | <b>Approved</b>   | <b>RS 124920</b> | <b>27/04/2024 04:43 PM</b> | <b>Approved</b>   | <b>RS 124920</b> | <b>29/04/2024 10:38 AM</b> |
|                                     |                  |                            |   |                  |                            |   |                  |                            |
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|                                     |                  |                            |   |                  |                            |   |                  |                            |
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| <b>10006 - Mr. DEEPAK SHELKE</b>    |                  |                            |   |                  |                            |   |                  |                            |
| <b>Pending</b>                      | <b>RS 0</b>      | <b>29/04/2024 10:38 AM</b> |   |                  |                            |   |                  |                            |
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