



No. 167 /Dt. 03/02/2025

QUOTATION CALL NOTICE

Sealed quotations are invited for supply and demonstration of tools and equipments for Physics Laboratory at Govt. Polytechnic Kalahandi as per the quantity and specifications mentioned in the Annexure-I. The suppliers are required to submit their quotations on or before 17/02/2025 through post or by hand to this office by 04.00 PM on urgent basis. The sealed quotations will be opened on 18/02/2025 at 4:00 pm in the office of the principal in presence of internal purchase committee of this institution.

**LIST OF TOOLS AND EQUIPMENTS WITH SPECIFICATION AND QUANTITY
(APPLIED PHYSICS-II)**

Sl No.	Experiment	Name of the tools and equipments with Specifications	Quantity
1	To determine and verify the time period of a cantilever	Cantilever beam(Rectangular) Steel	03 Nos.
		Clamp	03 Nos.
		Slotted mass (50 gm)	05 Nos.
2	To verify laws of reflection from a plane mirror/ interface	Plane Mirror With holder	06 Nos.
		Pins/Pushpins	06 pkts
3	To verify laws of refraction (Snell's law) using a glass slab	Rectangular glass slab	06 Nos.
4	To verify Ohm's law by plotting graph between current and potential difference	Ohm's Law apparatus: Two moving coil analog meters are mounted on the front panel to measure voltage and current. One Rheostat is mounted on the front panel to change the current. Fixed resistance of 100 ohm across the terminals provided on the front panel (across which we have to measure the voltage)	03 Nos.
5	To verify laws of resistances in series and parallel combination	Resistance in series and parallel apparatus: Instrument comprises of two moving coil meters to measure voltage and current. Circuit diagram for series & parallel connections. Printed Resistances mounted on the front panel.	03 Nos.
6	To verify Kirchhoff's law using electric circuits	Verification of Kirchhoff's law apparatus: Instrument comprises of DC IC Regulated Power Supplies 0-5 V/250 mA. Two coil meters for voltage & current measurements. Components are mounted behind the panel with printed circuit diagram. Connections are brought with 4 mm banana sockets. Instrument Fitted in Highly Shockproof Plastics Box. 4 MM patch cords are provided with the trainer for interconnections.	03 Nos.

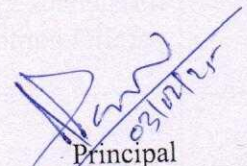
7	To find resistance of a galvanometer by half deflection method	Moving coil galvanometer	02 Nos.
		DC power supply(0-10 V)	02 Nos.
		Resistance box-Range 0-10 k Ω	02 Nos.
		Resistance box-Range 0-200 Ω	02 Nos.
		One way key	02 Nos.
8	To convert a galvanometer into an ammeter	Conversion of galvanometer into ammeter apparatus: Instrument comprises of DC Regulated Power Supply 0-5VDC/150mA, two round meters (One milliammeter & One Galvanometer), Three set of Shunts resistance mounted behind the panel, connections of supplies, meters & Shunts brought out at 4mm Sockets.	03 Nos.
9	To convert a galvanometer into a voltmeter	Conversion of galvanometer into voltmeter apparatus: Instrument comprises of DC Regulated Power Supply 0-5VDC/150mA, two round meters (One Voltmeter & One Galvanometer), Three set of resistances mounted behind the panel, connections of supplies, Meters & Resistances brought out at 4mm Sockets.	03 Nos.
10	To draw V-I characteristics of a semiconductor diode (Ge, Si) and determine its knee voltage	PN Junction Diode/Semiconductor apparatus: Instrument comprises of two DC Regulated Power Supplies 0-3VDC/150mA & 0-30 VDC/150mA, two dual range round meters for voltage & current measurement, PN Junction Diodes mounted behind the panel, connections of Supplies, Meters & Diodes brought out at 4 mm Sockets.	03 Nos.

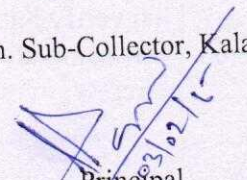
TERMS & CONDITION:

01. GST is as per Govt. norms.
02. Free delivery and Installation with demonstration at site.
03. The undersigned reserves the right to accept or reject any or all quotations without assigning any reason thereof.
04. Payment will be done after successful supply and Installation with demonstration of the items at the site.
05. Following documents to be submitted along with the Quotation.
 - I. GST Registration Certificate
 - II. PAN Card of Proprietor

Memo No. 168⁽¹⁰²⁾ /Dt. 03/02/2025

Copy to Institute website / Sub-Collector, Kalahandi for information & necessary action. Sub-Collector, Kalahandi is requested to kindly display in his/her Notice Board for wide circulation.


Principal
Govt. Polytechnic, Kalahandi


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