QUOTATION CALL NOTICE

No. 187/ICR/18

13.02.18

Sealed quotations are invited from registered firm/agencies having valid GST registration, company authorization certificate, PAN card, for supply of the laboratory equipments for department of physics in sealed covered envelope address to the **Principal, Ispat Autonomous college, Rourkela**.details of the specification are mention below. The quotation should reach before **27/02/2018 by 2pm** by speed post positively.

The sealed quotation will be opened in the presence of bidder or their representative (if any) on **28/02/2018 at 2 pm**.

The authority reserves the right to cancel/reject the quotations (one/any) without assigning any reason thereof.

Principal
ISPAT AUTONOMOUS COLLEGE
ROURKELA

Principal
Ispat Autonomous College
Rourkela-769003

13.02.18

Memo No: 188/ICR/18 Date: 13.02.18

Copy to college notice board/OIC, website/account/H.C/ Physics Dept. for information & necessary action.

Principal
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DEPARTMENT OF PHYSICS
ISPAT AUTONOMOUS COLLEGE ROURKELA

The apparatus required (with complete set) **to perform following experiments**

1. To study VI characteristics of PN junction diode & LED.
2. To study VI characteristics of zener diode and its use as a voltage regulator.
3. To study the characteristics of Bipolar junction Transistor in CE configuration.
4. To investigate the use of Op-Amp as Integrator.
5. To investigate the use of Op-Amp as Differentiator.
6. To determine Planck's constant using LEDs of at least 4 different colors.
7. Photo electric effect: Photo current Vs Intensity and Wavelength of light, maximum energy of photo electrons versus frequency.
8. To determine Wavelength of Hx emission line of Hydrogen Atom.
9. To determine of Ionisation potential of Mercury.
10. To verify the law of Malus for plane polarized light.
11. To determine the specific Rotation of sugar solution using polarimeter.
12. To determine Boltzman constant using V-1 Characteristic of PN junction Diode.
13. To study polarization of light by reflection and determine the polarizing Angle for Air Glass-Interface.
14. To study the Reflection, Refraction of Microwaves.
15. To Plot Plank's law for Black Body Radiation and compare it with Wien's law and Rayleigh jeans low at High Temperature (room) temperature and low temperature.

P. Pradhan
13.2.18

Principal, 13.02.18
Ispat Autonomous College
Rourkela-769003