



OFFICE OF THE PRINCIPAL, GOVERNMENT ENGINEERING COLLEGE,
BILASPUR (C.G.) 495 009

कार्यालय प्राचार्य, शासकीय इंजीनियरिंग महाविद्यालय, बिलासपुर (छ.ग.)

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No.GECB/ Mech /2022-23/

3466

/Bilaspur, Date:-

19/12/22

To,

Sub:- Second Invitation for quotation for rate of Universal Vibration Apparatus .

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Please quote your lowest rate for rate of Universal Vibration Apparatus. Quotation should be addressed to the Principal, Govt. Engg. College, Bilaspur C.G.-495009 in sealed covered envelop so as to reach this Office on or before **2/1/2023** at 4:00 P.M. On the top of the cover envelop write quotation against enquiry number as above.

GST applicable as per rule.

Quotation should be valid for the period of twelve month from the due date.

1. Payment will be made after the receipt of good in working condition and demonstration.
2. Leaflet containing particulars & literature should be furnished along with the quotation.
3. It is not binding on the purchaser to accept any of the lowest of the quotation & no reason will be assigned for the same.
4. GST & Income Tax clearance must be enclosed along with the quotation.
5. GST/TIN number should be mentioned in your quotation.
6. Proforma of quotation is attached on the back side.
7. Rate of items should be quoted in enclosed proforma.
8. All Price quoted should be F.O.R. this institute and they should be quoted separately for each item asked.
9. Disputes are subjected to the Jurisdiction of Bilaspur Court.
10. Minimum 1 year warrantee should be provided by the vendor

Principal,
Govt.Engg.College,
Bilaspur C.G.

Format of Quotation

S. No.	Name of Equipment	Quantity	Rate	GST	Total
1	Universal Vibration Apparatus	1			

Required Specification for Universal Testing Apparatus

Technical Description:

The apparatus should provided comprehensive unit to perform the vibration experiments. The Apparatus frame should be quick and easy to assemble to perform of various experiments. The unit is self-contained to safely store spares.

Learning Objectives/Experiments:

- To verify the relation simple pendulum.
- To verify the relation of compound pendulum to determine the radius of gyration.
- To study radius of gyration of bi-filar suspension.
- To study the undamped free vibration of spring mass system.
- To study the longitudinal vibration of helical coiled spring.
- To study the forced vibration of simply supported beam for different damping.
- Undamped tensional vibrations of single rotor system.
- Undamped torsion vibrations of double rotor system.
- To study the damped torsional vibration of single rotor system and to determine the damping coefficient.
- Verification of Dunker ley's Rule.
- To study the forced damped vibration of spring mass system.

Electric supply specification:

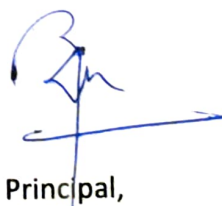
- Electricity Supply 230 V AC, Single Phase, 0.5 kW

Technical Specifications:

- Exciter Unit : With Speed Control Facility
- RPM measurement: Digital RPM Indicator with Proximity sensor
- Chart recorder: For recording Frequency and Amplitude of Vibration.
- Stop Watch: Electronic Stop Watch.

Control Panel:

- Digital RPM Indicator
- Standard make On/Off switch, Mains Indicator
- Speed Control Unit.


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