



OFFICE OF THE PRINCIPAL, ENGINEERING COLLEGE NOWGONG

DISTT.-CHHATARPUR (M.P.)-471201

(ESTD. IN YEAR 2012 BY GOVT.OF MADHYA PRADESH)

Phone (O) : 07685-291217,291218

Fax : 07685- 291217

Email : enggcollegenowgong@rediffmail.com

Website : www.necnowgong.in

NO./ECN/OFF/2020/1394

Nowgong Dated...२५-०२-२०२०

“QUOTATION NOTICE FOR MECHANICAL ENGG.LAB”

Sealed quotation are invited from the manufactures/authorized dealers/distributers on their Letter head for supply of following Equipment in different laboratory of ME Engineering Department of this institution.

- 1. Brinell Hardness Testing Machine**
- 2. Digital Impact testing Machine**
- 3. Reynold Appratus**
- 4. Digital Fatigue Testing Machine**
- 5. Rope Brake Dynamometer**
- 6. Rockwell Hardness tester**

Detailed specifications of the machines along with the terms and conditions are provided in the tender document.

Order will be given under 5 lakh only. If total price of above equipment go above the 5 lakh than some equipment will not be order.

Quation will be opened in the institution. Information regarding tenders can be seen from the institute website www.necnowgong.in

Principal

Nowgong Engineering College
Distt. Chhatarpur M.P.

**OFFICE OF THE PRINCIPAL
NOWGONG ENGINEERING COLLEGE NOWGONG MP
NH 75 CHHATARPUR JHANSI ROAD NAURA PAHADI NOWGONG
DISTT. CHHATARPUR M.P.-471201**

NO./ECN/OFF/2020/1394

Nowgong date. 24.03.2020

Mechanical Engineering Department

Last Date and time of receiving sealed Quotation

17/03/2020

I TERMS AND CONDITIONS:

1. Quotation received after due date and time will not be accepted in any case.
2. The quotation must be sent in firm's own letter head ,along with the terms and conditions of supply.
3. The quotation received with overwriting of filled with pencil will not be accepted.
4. Quotation will be received by registered post and directly at institute office.

II SPECIFICATIONS:

- (i) If any of the equipment of required specification is not available, then nearest higher specification to the required specification may be considered.
- (ii) Equipment & Machinery calibrated in MKS/SI system only be quoted.
- (iii) The better or higher specifications than the required specification will be considered.

III RATES AND TAXES:

- (a) The rates must be quoted F.O.R. Nowgong Engineering College, Nowgong (MP) 471201.
- (b) The quoted rates must be inclusive of installation/demonstration of the equipment/machines in perfect working condition after delivery. No extra payment will be made for the installation and/or demonstrations.
- (c) Other taxes and duties, of payable extra should be clearly stated.

IV Payment:

Payment in full will be made after physical installation of the equipment in perfect working condition and demonstration in the institute No part payment for the defective/incomplete equipment will be made. If the undersigned feels that the equipment supplied is grossly defective and cannot be repaired or the supplied material/equipment is of substandard quality: the supplied equipment will be rejected & returned to the supplier at his risk. No payment or part their of will be made to this effect to the supplier and the order will be cancelled.

V WARRANTY: 2 YEARS Warranty period will start from the date of installation and satisfactory commissioning.

VI OTHER CONDITIONS:


Delivery Period: The delivery period for supply of equipment should not be more than 20 days(may be extended on specific request with the discretion of the undersigned).

VII Sealed tender should be submitted in 2 envelopes as mentioned below:

Envelop A Technical Qualification: Enveloped comprising technical specification Brochures of equipment/printed catalogue/leaflets.

Envelop B Financial Bid : Enveloped comprising rates of equipments/machines.

All the three envelopes (A and B) should be sealed separately and then enclosed in another outer envelope C addressed to the Principal Nowgong Engineering College, Nowgong NH-75 chhatarpur -jhansi road naura pahadi nowgong distt. Chhaatarpur MP 471201.


Principal
Nowgong Engineering college
distt. Chhatarpur M.P.

GOVT. ENGINEERING COLLEGE NOWGONG

Department of Mechanical Engineering

Strength of Material, Instrumentation and Control lab Apparatus

S.NO	NAME OF EQUIPMENT	SPECIFICATION	QUAN TITY REQU IRED
1.	Brinell Hardness Testing Machine	<ul style="list-style-type: none">• Test loads from 500 to 3000 kgf in steps of 250kgf.• Testing Height and Depth of Throat is 380 X 200 mm.• Indentation measurement by Brinell Microscope of 25X Magnification.• Accuracy conforms to ASTM E-10 IS:2281-2005 & BS:24 Drive motor:0.33HP Model FINE Manufacture TKB 3000	1
2.	Digital Impact Testing Machine	<ul style="list-style-type: none">• Range of four scales: 0-2.71 joules, 0-5.42 joules, 0-10.84 joules and 0-21.68 joules.• Minimum resolution on scale: 0.02 joule, 0.05 joule, 0.1 joule, 0.2 joule respectively• Maximum capacity: 300 J• ASTM : E-23-94a	1
3.	Digital Fatigue Testing Machine	<ul style="list-style-type: none">• Maximum bending moment.: 200 Kg.cm• Gripping Diameter: 12mm• Testing Diameter: 8mm• Rotating speed: 2800 Rpm• Accuracy of applied bending moment. + 1 %• Digital counter• Power required Hp 0.5	1
4.	Rockwell Hardness	<ul style="list-style-type: none">• Test Loads: 60,100,150 kgf (Rockwell)• Initial Loads: 10 (kgf)	1

GOVT. ENGINEERING COLLEGE NOWGONG

	Tester	<ul style="list-style-type: none"> • Maximum Test Height: 222 mm. • Depth of Throat: 130 mm. • Machine Height: 627 mm. • Net weight: Approx 65 kg. • Size of base: Approx 450 * 265 mm • Semi-automatic, motorized, digital, microprocessor based panel. <p style="text-align: center;">Model TSM-DM</p>	
5.	Rope Brake Dynamometer	<ul style="list-style-type: none"> • The System Can Be Manually Operated Without Motor. • If It Is Motor Driven Maximum Load Applied Will Be 20 Kg. • If It Is Manually Operated Maximum Load Applied Will Be 7.5 Kg. • Hardness scale. Preliminary test force 98N/10kgf. • Test force: 588N/60kgf, 980N/100kgf, 1471N/150kgf. • Stage elevation manual. • Load control manual. Resolution 0.1 HR. Output wireless and USB. Memory 1000. Convert to HV or HB automatically 	1
6.	Reynolds Apparatus	<ul style="list-style-type: none"> • Storage tank with flow steadying arrangements. • Tank 50 Litres approximately. • Storage tank is made up of PVC sheet. • Measuring Flask. • Dye bottle & Needles. • Control valve : Material : Brass, Gate valve. • Acrylic tube of Size : 25mm I.D, Length:900mm . • Suitable stand to mount the acrylic tube. • Piping: Acrylic piping with valves. • Digital stop watch. • Frame: Made of M.S square tubes & sheets, welded & powder coated. 	1