

रायपुर (छ.ग.)

शासकीय इंजीनियरिंग महाविद्यालय

प्राचार्य

संबंधित टेंडर विक्रय करेंगे।

- (04) लेखापाल शासकीय इंजीनियरिंग महाविद्यालय रायपुर (छ.ग.) की ओर इस अर्जित के साथ कि संस्था से
- (03) प्रभाषी अधिकारी कय समिति शासकीय इंजीनियरिंग महाविद्यालय रायपुर (छ.ग.)।
- (02) प्रभाषी वेबसाइट, कयया संस्था की वेबसाइट पर अपलोड करने हेतु।
- नया रायपुर की ओर सर्वनाथ एवं आवश्यक कार्यावाही हेतु प्रेषित।
- (01) आर्जित सह संचालक, तकनीकी शिक्षा संचालनालय इंद्रावती भवन ब्लक-तीन, वृत्तीय एवं वृद्ध तल

प्रति,

पं. कर्मांक/शाहमरा /...../ 2016

रायपुर दिनांक: 14-10-16

रायपुर (छ.ग.)

शासकीय इंजीनियरिंग महाविद्यालय

प्राचार्य

संलग्न-उपरोक्तानुसार (टेंडर नोटिस का निर्धारित प्रपत्र)

उपरोक्त विषयान्तर्गत लेख है कि शासकीय इंजीनियरिंग महाविद्यालय संजवहार रायपुर के विभिन्न
 छात्रों के लिए प्रयोगशाला हेतु यंत्र/उपकरण कय किया जाना है। जिसके लिए महाविद्यालय द्वारा प्रदत्त खूली
 निविदा (Tender Notice) का निर्धारित प्रपत्र संलग्न कर प्रेषित है।
 अतः निर्धारित निविदा प्रपत्र को प्रदेश स्तरीय बहुर्रसहित दो समाचार पत्रों में प्रकाशित करवाने का कष्ट करेंगे।

महोदय,

विषय:- टेंडर नोटिस प्रकाशित करने बाबत।

नया रायपुर (छ.ग.)

जन संपर्क संचालनालय छत्तीसगढ़,

आर्जित,

प्रति,

कर्मांक/शाहमरा /...../ 2016

रायपुर दिनांक: 14-10-16



**कार्यालय प्रचार
शासकीय इंजीनियरिंग महाविद्यालय रायपुर**



पुराना धमती रोड, सेजहर, रायपुर (छ.ग.)
कार्यालय 0771-2103147, E-Mail - principal-ngec@yahoo.com

कमांक/शाहमरा/...../2016 / 2016
रायपुर दिनांक:- 14-10-16

कार्यालय प्रचार, शासकीय इंजीनियरिंग महाविद्यालय सेजहर रायपुर छ.ग. की ओर से निम्नलिखित एवं उनके अधिकृत निकालों से निम्नानुसार तालिका में दर्शाए गये विभागों के प्रयोगशाला संबंधी उपकरण प्रदाय करने हेतु धरोहर राशि सहित मुहरबंद निवेदन आमंत्रित की जाती है।

क्रमांक	विभाग का नाम	आवृत्त राशि	धरोहर राशि	रिमांक
1	इंजीनियरिंग एवं इलेक्ट्रिकल इंजीनियरिंग	5,44,000/-	16000/-	
2	कम्प्यूटर साइंस इंजीनियरिंग	8,90,000/-	27000/-	
3	इलेक्ट्रिकल एवं टेली. इंजीनियरिंग	3,12,000/-	9000/-	

निवेदन प्रथम अध्येक्षक/प्रचारिका के कार्यालय से रु. 500/- नाम प्रदान कर या संस्था के वेबसाइट से download किसे जा सकते है ऐसी स्थिति में निवेदनकर्ता को रु. 500/- का डीडी व बैंकर्स चेक (in favour of Principal Govt Engineering College Raipur) जमा करना आवश्यक होगा।

निवेदन दिनांक की अंतिम तिथि
निवेदन जमा करने की अंतिम तिथि
निवेदन खुलने की तिथि

18/11/2016 सायं 01 बजे तक।
18/11/2016 सायं 03 बजे तक।
18/11/2016 दोपहर 04 बजे

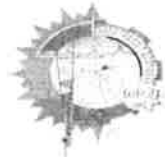
प्रचार
शासकीय इंजीनियरिंग महाविद्यालय
रायपुर (छ.ग.)

प. कमांक/शाहमरा / //2016
रायपुर दिनांक:-

- (01) आयुक्त सह संचालक, तकनीकी शिक्षा संचालनालय इंदौर की भवन ब्लाक- तीन, पृथीय एवं चतुर्थ तल नया रायपुर की ओर सूचनाएं एवं आवश्यक कार्यवाही हेतु प्रेषित।
(02) प्रभाषी वेबसाइट, कम्प्यूटर संस्था की वेबसाइट पर अपलोड करने हेतु।
(03) प्रभाषी अधिकारी कम सज्जित शासकीय महाविद्यालय रायपुर (छ.ग.)।
(04) लेखापाल शासकीय इंजीनियरिंग महाविद्यालय रायपुर (छ.ग.) की ओर इस अभ्युक्ति के साथ कि संस्था से संबंधित टेंडर विषय करेंगे।

प्रचार
शासकीय इंजीनियरिंग महाविद्यालय
रायपुर (छ.ग.)

(Handwritten signature)



**OFFICE OF THE PRINCIPAL,
GOVERNMENT ENGINEERING COLLEGE RAIPUR
OLD DHAMTARI ROAD, SEJBAHAR, RAIPUR (C.G.)-492015**

No./GECR/Store Tender/14.10.2016/16-171
Raipur, Dated 14.10.2016

The Tender document will be available at the office of Principal, Government Engineering College Raipur (C.G.) on any working day on payment of Rs. 500/- in cash from A/C Section OR it may also be downloaded from the Institute website www.gecraipur.ac.in. In case of the tender document downloaded by the website, a demand draft/ banker's cheque of an amount Rs. 500/- payable in favour of Principal, Govt. Engineering College, Raipur must be attached with the tender document.

Last date for purchasing the tender: 18/11/2016 up to 1:00 PM
Last date for receiving the tender: 18/11/2016 up to 3:00 PM
Date of opening of tender: 18/11/2016 up to 4:00 PM

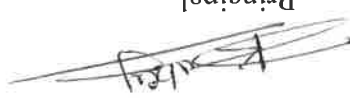
TERMS AND CONDITIONS

(Terms and conditions for supply of Equipments)

1. The tender document is non-transferable.
2. Submitted Tender document should follow the prescribed format of Techno-commercial bid as per Annexure-I along with a UNDERTAKING (Annexure-II)
3. Printed leaflets/literature should be attached with Techno-commercial bid supporting the specification of equipments/goods. Download of leaflets from company website is allowed
4. All pages of Technical document should be duly signed by the competent authority of firms/Manufactures / Agency.
5. Commercial bid submitted by the dealers/Agency will require the dealership certificate /authorisation certificate provided by the firms/companies/ manufacturer.
6. An Earnest Money Deposit of amount Rs. 3% of quoted price in form of Demand draft / Banker's cheque must be given in favour of Principal, Govt. Engg. College Raipur (CG).
7. Techno-commercial bid and EMD should be kept in separate envelopes. These two envelopes should be kept in a big envelope. Details of Tender No. date &
8. Failing EMD, the tender document will not be opened and it is liable to be rejected. The tender Name of department (if any) etc. should be written on the big envelope.
9. Failing EMD, the tender document will also be rejected by failing the submission of printed Leaflets/literature .
10. Two percent penalty of cost of equipment / goods may be deducted per month if the items are not supplied within time limit given in order .
11. Any condition imposed by the firm/ Manufacturer/company will not be accepted for the supply of equipment / goods.
12. All rights are reserved to the undersigned, regarding the Acceptance/ Non. Acceptance / Rejection of Tender/ Tender document.
13. In cash of any dispute, the judicial jurisdiction will be Raipur (CG).
14. The bidder should quote their offer/ rate with clear terms without any ambiguity.

14. Item no. and page of the tender document should be strictly in chronological order. Make, name of the manufacturer should be mentioned against each item .
15. The rate should be FOR destination including all taxes. Nothing extra will be paid. If rate are quoted ex- go-down /ex-factory, then Excise duty, and PFI charge, VAT/CST should be clearly indicated.
17. Taxes, if livable extra, should be clearly indicated, failing which the rate quote in the tender will be considered as inclusive of all taxes.
18. There should be no alterations/ corrections made in the Tender. The quoted rate should be both in figures and words.
19. The tender should clearly indicate whether equipment / goods are complete in itself. If in the opinion of the tenderer, certain accessories are necessary with the type of the equipment / goods tendered, the tenderer must quote for aforesaid accessories under the heading **Extra but essential**.
20. In case of non- acceptance of the tender, the EMD will be refunded to the tenderer in due course of time. The EMD will be treated as security deposit in case of selected tenders. EMD / Security deposit will be forfeited in case of breach of agreement of supply by the supplier. The order shall stand cancelled and security deposit forfeited under the following conditions:-
- a. If supplier expresses his inability to execute the order for the items at the rate quoted for makes/ brand within the delivery period .
- b. If the complete equipment is not supplied within the delivery period mentioned in the order or within the extended period permitted.
- c. If the supplier executes only part of the order.
21. Any equipment / goods / Trainer / Hardware or software breakdown must be attended within 48 hours during the valid warranty period of the items /equipment / software free of cost.
22. Payment shall be released after the complete supply of ordered items and successful installation and demonstration of the machine equipment at the institution (if required).
23. The training if any required for any ordered items, at least two persons for handling the machine /equipment / goods shall be provided by the supplier at his own cost at our institution.
24. If defects of any kind or deviations from the specification are detected and reported to the supplier, the supplier should make replacement or rectify the defects free of cost within 30 days from the date of report, failing which the equipment will not be accepted and will be collected by the supplier at his own cost and risk, and the EMD will be forfeited . In case the equipment is sent for repair to the firm, it is to be repaired within 30 days from the date of receipt of equipment failing which the EMD will be forfeited, however the undersigned may condone the delay in deserving cases at his discretion.
25. The undersigned reserves the right to increase/ decrease the quantity of the equipment to be supplied. The submission of the tender will be deemed to be the acceptance of all the terms and condition of the tender as stated herein and / or elsewhere in the tender document.
27. **Tenders should be valid for at least twelve month from the date of opening of tender. The prices should be firm without variations of any kind.**
28. If required "D" FORM at the time of final payment shall be issued.
29. The undersigned reserves the right to accept the lowest or any tender and also of rejecting all or any tender without assigning any reasons for the same or to split up the tender as may deem fit.
30. Exact and earliest possible time of delivery should be indicated in the tender against each item. The delivery period given in the order will be the date of receipt of the goods/equipment in the institute and not the date dispatch of equipment by the supplier.
31. No advance payment will be made.
32. The tenderer will have to submit last three years PSU/ Government Supply record as far as possible.

33. The tenderer/ bidder shall provide TIN No. along with latest income tax clearance, CST Clearance certificate from the concerned authority and should be attached with the tender . Tender received without these certificates shall be rejected.
34. The minimum warranty period for the equipment supplied by the supplier will have to be mentioned clearly which should not be less than one year from the date of installation. The tenderer will be required to undertake repair/ replacement of defective parts free of cost at the institution during the warranty period.
35. The equipment / machinery calibrated in metric system need to be quoted.
36. The tenderer shall guarantee that after sale, service shall be provided as and when required.
37. The supplier will render necessary assistants, if required, in the installation of the goods/ equipment / machinery in the institute / site free of charge.
38. No. offer should be made for imported item for which Import License has to be arranged by the undersigned. The entire imported item will have to be delivered in the institute and payment will be made in rupees.
39. The payment shall be released only after satisfactory and successful commissioning and installation of the equipment / machinery at the designated site/ institute.
40. Period of guarantee / Warranty, where applicable should be specified in the bid.
41. The undersigned is not responsible for any loss or damage to the goods/ equipments during transit irrespective of the fact that they are insured or not insured or delivery is ex-go down or factory station.
42. No claim shall be entertained in respect of interest on Earnest Money/ Security deposit/ Bid Deposit.
43. Illustrated manuals, working instructions, trainers, software and hardware, erection/ wiring and drawing of foundations etc. and details of the ordered goods/equipments must be supplied in suitable damp proof cover.
44. E- payment will be made after deduction of VAT (Value Aided Tax) . / as per state Govt. purchase rules .


 Principal
 Govt. Engg. College Raipur,
 Raipur (CG).

GOVERNMENT ENGINEERING COLLEGE, RAIPUR (CG)
(Format of Techno-Commercial Bid)

Annexure-I

Tender No /

Raipur, Date-

Sr. No.	Name of Items	Technical Specification as per printed Catalogue/ Brochure	Price of the Goods /Equipment	Taxes (VAT/ CST etc.)	Total Cost	Delivery Period	Remark
1			4	5	6	7	8

Signature

(Name & Full Address of the Firm with Seal)

Annexure-II

Undertaking

(To be signed and returned along with the tender)

I/We(FullName).....

Address.....

.....have read the terms and conditions of the tender document

for the supply of goods/ equipments as notified by the Office of the Principal Govt. Engg. College, Raipur and I/We have under take to follow the same .

Place

Date.....

Signature:

(Name & Full Address of the Firm with Seal)

**Department of Electrical & Electronics Engineering
Government Engineering College Raipur**

Specification of Lab Equipments for financial year 2016- 17

S. No.	Name of Equipment	Specification
1	Kit for charging and discharging of capacitor	5 volt Inbuilt power supply with User manual & patch chords. Any other necessary accessories to perform experiments with this kit.
2	Trainer kit of various topologies of feedback amplifier	Trainer kit with inbuilt DC power supply 12V,500mA, with user manual & patch chords. Any other necessary accessories to perform experiments with this kit.
3	RC phase shift oscillator trainer kit	Trainer kit with inbuilt DC power supply 12V,500mA, with user manual & patch chords. Any other necessary accessories to perform experiments with this kit.
4	wien bridge oscillator trainer kit	Trainer kit with inbuilt DC power supply 12V,500mA, with user manual & patch chords. Any other necessary accessories to perform experiments with this kit.
5	AC servomotor	Input Voltage to motor: 100V single 50 Hz AC, Output Voltage: 0 to 100V DC, Output Current: 1 Amps. Inbuilt voltage regulators to change input voltage to motor. user manual and connecting patch chords. Any other necessary accessories to perform experiments with this kit.
6	Linear variable differential transformer	Input 240V, 50 Hz AC, Outputs : +5 V / 500 mA, -5 V / 500 mA, +12 V / 500 mA, -12 V / 500 mA, LVDT measurement unit. user manual and connecting patch chords. Any other necessary accessories to perform experiments with this kit.
7	Stepper motor	supply voltage: 12 V at 400 mA, Step angle 1.8 degree for full angle and 0.9 degree for half angle. Inbuilt arrangement for DC power supply. user manual and connecting patch chords. Any other necessary accessories to perform experiments with this kit.
8	peak detector and zero crossing detector trainer	Trainer kit to study zero crossing detector and peak detector. Built-in DC Power supply : +15V at 200mA. IC Regulated & short circuit protected. User manual and connecting patch chords. Any other necessary accessories to perform experiments with this kit.
9	Trainer kit of OP-Amp	Internal battery 7.2 Ah,850-1000 VA. User manual and connecting patch chords. Any other necessary accessories to perform experiments with this kit.
10	Study of V/F control operation of induction motor	Input Three phase, 50 Hz AC, Three phase induction motor of 5 HP with Digital measuring instruments. User Manual of Kit. Any other necessary accessories to perform experiments with this kit.
11	Earth Tester	Complete set of Digital Earth Tester to measure earth resistance in the range of 0- 50 Ω using three electrode method. Inbuilt meters for measurement. All other accessories required to perform the experiment. User manual and connecting accessories.
12	fire extinguisher	Capacity- 1 Kg, Dry Powder type, discharge time 8- 12 sec, minimum discharge quantity- 85%, fire extinguisher as per IS specification 13849. User manual.
13	fire extinguisher	Capacity- 3 Kg, Dry powder type, discharge time 8- 12 sec, minimum discharge quantity- 85%, fire extinguisher as per IS specification 13849. User manual.

**Department of Electrical & Electronics Engineering
Government Engineering College Raipur**

Specification of Lab Equipments for financial year 2016- 17

S. No.	Name of Equipment	Specification
14	Disc insulator	Porcelain type disc insulator for 11kV voltage level.
15	Pin Insulator	Porcelain type pin insulator for 11kV.
16	Pin Insulator	Porcelain type pin insulator for 33kV.
17	Ammeter	Digital Ammeter for measurement of AC and DC Current of 0 mA- 500 mA range. User manual and connecting accessories.
18	Ammeter	Digital Ammeter for measurement of AC and DC Current of 0- 20 A range. User manual and connecting accessories.
19	Voltmeter	Digital Voltmeter for measurement of AC and DC Voltage of 0 - 500 V range. User manual and connecting accessories.
20	Voltmeter	Digital Voltmeter for measurement of AC and DC voltage of 0 mV- 5000 mV range. User manual and connecting accessories.
21	Owen's bridge kit	Trainer kit equipped with fixed sine wave oscillator, two dials of 0.01 & 0.1 μ F, Sensitive head phone/ null detector for observation of bridge balanced condition, operating manual and patch chords. Any other necessary accessories to perform experiments with this kit.
22	Megger	Digital Megger- 500 V, 1000M Ω . User manual and connecting accessories.
23	Wattmeter	Digital type wattmeter. Current range 0- 20 A, Voltage 0- 300 V, Wattmeter range - 0- 750 W. User manual and connecting accessories.
24	Wattmeter	Digital type wattmeter. Current range 0- 2 A, Voltage 0- 300 V, Wattmeter range - 0- 120 W. User manual and connecting accessories.
25	Power Factor Meter	Power factor meter to measurement of power factor of single phase and three phase AC power supply. User manual and connecting accessories.

Head of Department
Deptt. of Electrical & Electronic Engg
Govt. Engg. College, Raipur (C.G.)

(Signature)
04/10/16

GOVT. ENGG. COLLEGE, SEJBHAR OLD DAMTARI ROAD, RAIPUR (CG)
Dept. of - COMPUTER SCIENCE & ENGINEERING
(Financial Year-2016-17)

Sr. No.	Name of Items
1	Massqlserver 2012 with 5 user
2	Visual Studio 2010 Academic Single
3	C++ Software
4	NetSim (Education Version)
5	Operating System Professional 10 Academic 5 User Call

HOD



Sr. No.	Name of Items with Specifications
1	Diac Characteristic Trainer :- LLDB3 LLDB4 SMD Diac, Available in Various Sizes SOD-80 Glass with Manual, Patch cord
2	Triac Characteristic Trainer :- Kit Working voltage :- (220-240)VAC, Anode Voltage :- 0-30VDC, Gate Voltage :- 0-30VDC, output current :- 1Amps output Voltage :- 0-30VDC, Patch Card, A power Supply Card, manual
3	UJT Characteristic Trainer :- Kit Working voltage :- (220-240)VAC, Input Voltage 110V, output current :- 2 Amps , Patch Card, A power Supply Card, manual
4	SCR Characteristic Trainer :- Kit Working voltage :- (220-240)VAC, Anode Voltage :- 0-30VDC, Gate Voltage :- 0-30VDC, output current :- 1Amps output Voltage :- 0-30VDC Patch Card, A power Supply Card, manual
5	Speed Control DC Shunt Motor Using SCR Trainer :- Speed control of a 12V/2A, 25W permanent magnet D.C. Motor, Speed range : 0 to 2000 rpm.
6	Single-phase Half controlled, Fullwave Rectifier using SCR Trainer :- voltage :- (220-240)VAC, Input Voltage :- 110 VAC, Output Current :- 2, A Output Voltage :- 0-110 VAC \pm 2V, Input Frequency :- 50Hz, firing Angle Variation 0-180 degree, Patch Card , 6 A power Supply card, manual.
7	GSM Module Trainer :- Module Dual/Tri band GSM 900/1800/1900MHz with class 10 GPRS Output Power Class 4 (2W for GSM 900) Class 1 (1W for GSM 1800) SMS Supports Text and PDU mode, Point to Point & Cell Broadcast Data Data circuit Asynchronous and non transparent upto 14.4 kbps Autobaud rate (2400, 4800, 9600, 19200, 38400, 57600 bps) Fixed baud rate (300, 600, 1200, 9600, 115200 bps) Fax Automatic fax group 3 (Class 1 & 2) Modem compatibility V.29, V.27 (TER and V.21Ch II) PC Fax compatibility CCITT, G3 GPRS Packet Data Feature Class 10 Coding Scheme CS1 to CS4, embedded TCP/IP Stack AT Commands Interface GSM 07.05 and 07.07 Connectors RS-232 Serial, DC Power socket SMA Antenna connector, SIM Card Holder Power Adaptor Input 7.2V DC 1.5A LED Indications Power ON, Network Antenna SMA Rubber /WHIP Antenna
8	QAM Modulation and Demodulation Trainer :- Onboard 24-bit variable NRZ-L pattern Crystal oscillator 32.768MHz Data clock 256KHz Data encoding NRZ (L), tribit data (I, Q and C) differentially encoded I and Q Onboard carrier sine waves 1MHz (0 degree), 1MHz (90 degree), 1MHz (180 degree), 1MHz (270 degree) Carrier modulation QAM, DQAM Carrier demodulation

HOD

<p>QAM, DQAM Data decoding NRZ (L), tribit data (I, Q and C) differentially decoded I and Q Provision for observing constellation diagram and the concept can be well understood Intermediate signal Provision for observing intermediate signals during demodulation Power supply GND, +12V, -12V, +5V</p>	<p>9</p> <p>3GHz - RF Generator and Detector: - Frequency - 35MHz to 3GHz, Frequency resolution - 1MHz, Modes Single tone, Frequency sweep, Frequency hopping, Power sweep, Frequency sweep for full span - 3.8 sec, Frequency offset - ± 100 Hz Harmonic - 50dB, Sub harmonic - 60dB < 1.36Hz, SSB phase noise - 50dBc/Hz, Phase noise - 80dBc/Hz @ 800MHz, Power max - 0dBm @ upto 1.5GHz, 10dBm @ upto 3GHz, Power min - -30dBm, Power variation - ± 0.5 dBm, Power resolution - 0.5 dB, Power sweep mode - 3 sec, Detector dynamic range - 50 dBm to 10 dBm, Modulation - AM, FM, PSK Single key press turns modulation on and off for user defined signal. AM modulation range - 00MHz to 2.8GHz, FM modulation range - 300MHz to 1GHz, LCD display - graphic display, Interface - USB-B Type, Impedance - 50 ohm, RF type of port - SMA type female, User interface - Standalone and PC base control mode available, Software - ser friendly GUI having inbuilt cable calibration facility and environment for win XP, win 7, Win Vista. Directional coupler (Optional) - Wideband Insertion loss = 0.5dB Coupling = 10dB, Measurement - VSWR, Return loss, Impedance (directional coupler Measurement Optional) Power Supply - +9V.</p>
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