

**CHHATTISGARH STATE POWER**  
**TRANSMISSION CO. LTD.**

**OFFICE OF THE CHIEF ENGINEER (S&P)  
C.S.P.TRANS.C.L., DANGANIA, RAIPUR: 492013 (C.G.)**

**Phone No. 0771-2574236, 2574240**

**TENDER ENQUIRY No. 46/266**

**(e-Bidding)**

**SUPPLY OF CONTACT RESISTANCE METER/MICRO OHM METER, DIGITAL  
CAPACITANCE METER AND ANALOG MULTI METER UNDER PSDF  
SCHEME**

**RFx No.8100017759**

**LAST DATE & TIME OF SUBMISSION OF TENDER  
30.06.2020 (TIME 15:00 HRS.)**

**DUE DATE OF OPENING OF TENDER  
30.06.2020 (TIME 15:30 HRS.)**

**PRICE Rs. 560/- (Inclusive of 12%  
GST) if Purchase from O/o C.E. (S&P)  
& Rs. 590/- (Inclusive of 18%  
GST) if downloaded**

For website

# CHHATTISGARH STATE POWER TRANSMISSION COMPANY LIMITED

(A Government of Chhattisgarh Undertaking)

## OFFICE OF CHIEF ENGINEER (S&P)

Address : 3<sup>rd</sup> Floor, LD Building, Dangania-Raipur (CG)-492013

Website: [www.cspc.co.in](http://www.cspc.co.in)

Tele.No.0771-2574239

No. 02-16/SE(S&P-I)/Enq. No. 46/266

Raipur, dtd. 09.06.2020

### e-PROCUREMENT TENDER NOTICE

Sealed tenders are invited from **Authorized Dealer/ Experience/Registered suppliers of CSPTCL/CSPDCL** for supplying of following materials:-

S.No.	Enq. No.	Particulars	Qty. in Nos.	Cost of tender doc. (Rs.)	EMD in Rs.	Due date
1	Enq. No. 02-16/SE(I)/	Resistance Meter/Micro Ohm Meter	04	i) Rs. 560/- (Incl. 12% GST)Purchase from O/o CE (S&P)		
2	Enq.No. 46/RFx	Digital Capacitance Meter	02	ii) Rs. 590/- (Incl. 18% GST) if downloaded from website)	8000/-	30.06.2020
3	No.8100017759	Analog Multi meter	02			

In case any of the above dates is declared as holiday then the particular date will automatically get shifted to next working day.

- i) The quantities mentioned above are tentative & may vary according to final requirement.
- ii) Any notice for extension of due date of tender opening shall not be published in newspapers. It will be displayed only on official website of the company.
- iii) The tender will be processed through e-bidding module of SAP-SRM. Bidders are advised to visit our website [www.cspc.co.in/csptcl](http://www.cspc.co.in/csptcl) for viewing detailed instructions regarding submission of offer through SAP-SRM.

#### **TERMS AND CONDITIONS:-**

- i) The tender documents can be obtained from the office of the C.E. (S&P), CSPTCL, Raipur in person on payment of cost of tender document in the form of MICR D.D. only made out in the name of Manager, RAO (HQ), CSPTCL, Raipur accompanied with firm's application on its letter head on any working day one day before the due date. If tender document is required by post, Rs.250/- is to be paid by D.D. along with the cost of documents. If more than one tender document is required, separate DDs should be furnished for each tender. CSPTCL shall not be responsible for any postal delay regarding receipt/non-receipt of tender documents.
- ii) The tender document will be made available on CSPTCL web site [www.cspc.co.in](http://www.cspc.co.in). The bidder participating in the tender can download the document from web site. In such case, the cost of tender document in the form as detailed above be submitted along with the tender in EMD envelop. In absence of same, the tender shall not be opened.  
The bidders who download the documents are requested to remain in contact with this office for any development in the tender.
- iii) Tender documents and the detailed specification could be issued on any working day up to the last date of sale of tender document. The duly filled tenders should be dropped in the tender box of the respective tender up to 15:00 hrs. on the due date. In case of tenders sent through post/ courier, it will be responsibility of the bidder to drop/get dropped the tender in the respective tender box. No receipt of the tender shall be issued in any case. The T.C. bid shall be opened at 15.30 Hrs. on above date.
- iv) After publication of NIT & before the date of opening of TC bid, corrigendum/ other information (if any) shall be displayed on our official web only. The bidders are requested to remain in contact with this office or visit our web-site for any development/ clarification/ amendment issued subsequently.
- v) CSPTCL reserves the right to accept or reject any or all the offers, in part or full without assigning any reason whatsoever.

Website [www.cspc.co.in](http://www.cspc.co.in)  
(Go through CSPTCL-Tender notice)

**Chief Engineer (S&P)**  
**CSPTCL, Raipur**

## **Special Instructions to bidders for submission of bid through SAP- SRM module (e-bidding)**

The tender No. 02-16/SE(I)/Enq. No. 46/266 Raipur, dtd. 09.06.2020 is to be processed through e-bidding. The bid is to be submitted online as well as offline (hard copy). Details of NIT & Tender Documents are available on our website—<http://www.cspc.co.in> & <http://ebidding.cspcl.co.in:50700/irj/portal>. The bidder may download the same from the above site. In e-bidding portal, tender documents will be displayed in online tender display at Technical RFx section.

Last date & time of submission of bid in hard copy and also in softcopy is 30.06.2020 upto 3.00 pm and due date & time of opening of the tender is 30.06.2020 at 3.30 pm.

### **Important Instructions :-**

1. Please note that this tender shall be processed online as well as offline. The bidder has to submit all the documents in hard copy as per tender specifications in three envelopes. Besides above, scanned copy of following documents are to be uploaded in e-bidding portal:-
  - (a) The scanned copy of DD for tender fee.
  - (b) The scanned copy of DD for EMD/ EMD exemption.

It may please be noted that only above mentioned documents are to be uploaded in e-bidding portal and no other document is required to be submitted in e-bidding portal. The bidder shall give reply to following questions regarding above documents in e-bidding portal:-

- (i) Whether scanned copy of tender fee DD uploaded. Yes/No
  - (ii) Whether scanned copy of DD of EMD /EMD Exemption uploaded. Yes/No
3. It is not required to upload/attach scanned copy of price bid in Soft/Hard copy. Only the rates are to be filled in the item tab in e-cid in SAP SRM System (online e0tender). Rates should be quoted online & in specified fields only. Once the rates are filled, the bidders may change their rates up to the due date and time of submission of tender. After due date and time, no change on any ground whatsoever will be accepted.
  2. After scrutiny of techno-commercial bid, the price bid will be opened in e-bidding system only of eligible bidders for which suitable intimation will be given to the bidders offline & through email. C.E.(S&P), CSPTCL Tender Enq. No. 46/266 for Procurement of **Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations.**
  3. Please note that e-mail is always system generated, hence bidders are advised to regularly check their inbox/junk mail box.
  4. CSPTCL shall not assume any responsibility for non-supporting of system, internet, line & associated hardware & software for bidding their tender. No extension in time shall be granted on such grounds. The bidder should submit their bid well before submission dead line to avoid any system related problem. It is strongly recommended not to wait for submission of bid in last minutes as internet/technical problem may disrupt their works.
  5. Reference time for submission dead line shall be the time displayed in the portal and shall be treated as final.
  6. After end of submission dead line, no alteration in the tender will be allowed by the system. However, in case of extension of due date of opening of tender, the bidders will be allowed to submit revised bid in the system.

7. CSPTCL will not accept incomplete bid.
8. The bidder must have a valid Digital Signature & SAP SRM User ID. User ID & Password from CSPTCL and Digital Signing Certificate and Digital Encryption Certificate from any recognized digital signature issuing authority are required for participation in any Tender. The bidder shall intimate in advance regarding details of digital signature issuing authority for ensuring the reliability of the same. For User ID and Password for participating in the tender, the bidder shall register on line through e-bidding portal.
10. The e-bidding vendor user manual displayed on website- <http://ebidding.cspcl.co.in:50700/irj/portal> for the help of the bidders. For any further queries the bidder may contact at Helpline no. 0771-2576672/73 (EITC, CSPDCL, Raipur)
11. The training for bidders will be on every Wednesday from 3.00 pm to 5.00 pm at office premises of Energy Info Tech Center (EITC) at Dangania, Raipur.
12. Tender shall be opened in the scheduled time as notified. If the due date of opening/submission of tender documents is declared a holiday by the Govt. or local administration, it will be automatically shifted to next working day for which no prior intimation shall be given. Tender opening shall be continued on subsequent days, in case the opening of all tenders is not completed on due date because of the technical constraints of system on the day of opening. It may be noted that the due date of opening/time may be altered/ extended if desired by CSPTCL without assigning any reason. However, intimation shall be available on company's tender portal/bidders email (if participation shown). The bidders are requested to keep track of the same.
13. Amendment in tender specification will be published on our website as well as in SRM system and the intimation regarding amendment in date extension will be conveyed through system generated e-mail to registered bidders only.
14. Before participating the bidder shall carefully read all the instructions and processes.
15. Tender duly completed in all respects will be accepted online up to due date & time and will be opened on the due date at specified time in the presence of bidders or their C.E.(S&P), CSPTCL Tender Enq. No. 46/266 for supply of **Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations**. Tender should reach the office of The Chief Engineer (S&P), CSPTCL authorized representatives. In case of authorized representative(s) they shall bring the original authorization letter with their signature attested by the bidder.
16. The bidder should be Experience/Registered suppliers of CSPTCL/CSPDCL **only** with proper validity for supply/ work of such materials. Submit the Registration certificate dully self attested)

**Chief Engineer (S&P)**  
**CSPTrans.CL : Raipur**

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## OFFICE OF CHIEF ENGINEER (S&P)

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Fax :0771-2574246,

Tele.No.0771-2574236

No. 02-16/SE(I)/Enq. No./46/266

Raipur, dtd. 09.06.2020

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Purchase of **Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations** as mentioned in e-tender notice and offer for due for submission on dt. 30.06.2020 up to 15.00 Hrs. & to be opened on same date i.e. 30.06.2020 (15.30 Hrs.)

### **EARNEST MONEY DEPOSIT: Rs. 8000.00 (Rs. Eight Thousand only)**

Tender cost Rs. 560.00 (Rs. Five hundred sixty) if purchased from this office and Rs. 590/- (Rs. Five hundred ninety) if downloaded only {**Non refundable**}

### **ISSUED :**

M/s. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sold vide M.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ for Rs. 560.00 (Rs. Five Hundred sixty ) only .

### **Note :-**

- (1) This complete form must be returned at the time of submitting the sealed tender Envelope duly super scribed "Tender Name, Tender No., Due date of opening, Firm's name & address in the O/o C.E.(S&P), CSPTCL, Dangania, Raipur within scheduled time/date otherwise tender shall be liable for rejection.
- (2) The tender should be submitted in the office having minimum THREE envelopes Namely as under:-
  - Sealed Envelop-1:** For Earnest Money only duly super scribed "Tender Name, tender No., due date of opening & Firm's name seal & address (Part-I).
  - Sealed Envelop-2:** Prescribed document along with TERMS & CONDITIONS duly super scribed "Tender Name, No., due date of opening etc.
  - Sealed Envelop-3** Price bid only.

SE(II)

O/o Chief Engineer (S&P)

CSPTrans.CL : Raipur

### PRICE BID IN SEPARATE ENVELOPS

Tender specification No. 02-16/SE(I)/Enq. No./46/266 Raipur, dtd. 09.06.2020, due for submission on dt. 30.06.2020 up to 15.00 Hrs. & to be opened on dt. 30.06.2020 (15.30 Hrs.) EMD REQUIRED Rs. 8000.00 (Rs. Eight thousand only).

The undersigned hereby tender and officer to CSPTCL to supply the material for the quantity at the rates as indicated here under:-

S.No.	Specification of Material (As per tender)	Qty . in sets	Unit Ex-works price inclusive of packing, forwarding, charges (Rs. /Unit)	Freight Charges per Unit (Rs.)	GST on Ex-works Price+ Freight charges ---% in Rs.	Total Unit FOR D price including packing, forwarding, freight charges & GST (In Rs.)	Total Amt. in Rs.
1	Resistance Meter/Micro Ohm Meter	04					
2	Digital Capacitance Meter	02					
3	Analog Multimeter	02					

The undersigned undertake to observe and abide by the terms & condition at the tender specification enclosed herewith.

Earnest money of Rs. 8000.00 ( Rs. Eight Thousand) only has been deposited to the **Manager (RAO:HQ), CSPTCL:Raipur (C.G.)** vide M.R. No. \_\_\_\_\_ dtd. \_\_\_\_\_ / D.D. No. \_\_\_\_\_ dtd. \_\_\_\_\_ Drawn \_\_\_\_\_ ( Name of Bank ) .

Place:  
Date:

Signature of bidders  
Name  
Address  
Seal

**Other Terms and Conditions (if any)**

- 1) FOR: .....
- 2) Taxes: .....
- 3) Validity:.....
- 4) Delivery:.....
- 5) Payment:.....
- 6) Security Deposit:.....
- 7) Others:.....

Details of Bidders

- 1) Name of firm/partners & Address :-----  
:-----  
:-----
- 2) Phone /Mobile No :-----
- 3) GST Registration No. :-----
- 4) PF No. if any :-----
- 5) ESI Registration No. (If applicable) :-----
- 6) PAN (Mandatory) :-----
- 7) SAP Vendor No. :-----
- 8) Vender Registration No. :-----



C.I.N. : U40108CT2003SGC015820

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## OFFICE OF THE CHIEF ENGINEER (S&P)

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Website:[www.cspc.co.in](http://www.cspc.co.in)

Fax :0771-2574246, Tele.No.0771-2574239

02-16/SE(I)/e-Enq. No./46/266

Raipur, dtd. 09.06.2020

Due On 30.06.2020

### SECTION-I

#### GENERAL TERMS & CONDITIONS OF TENDER SPECIFICATION.

- 1) Sealed tenders quotation are invited by The Chief Engineer (S&P), CSPTCL: Raipur, for supply of **Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations.**
- 2) Tender should reach the office of The Chief Engineer (S&P), CSPTCL, Dangania Raipur, by **15.00 Hrs. on 30.06.2020.** Tenders received after the stipulated time / date will not be considered. Covers should invariably be superscribed for supply of **Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations** and should be accompanied with Bankers Cheque or DD payable in favor of The Manager (RAO:HQ) CSPTCL, Raipur (C.G.). The tender will be opened on the same day at 15.30 Hrs.
- 3) When tenders are delivered by special messenger it should be dropped in the "Tender Box" kept in the office of The Chief Engineer (S&P), CSPTCL, Daganiya Raipur on any working day between 10.30 Hrs. to 15.00 Hrs.
- 4) Full descriptive particulars and complete specifications should accompany the tender. Offers should be kept open for acceptance for at least three months from the date of opening. However in due circumstances beyond control bidders are advised to extend validity. However, they shall not be permitted to revise their rates.
- 5) The CSPTCL reserves the rights to reject any or all tenders or to accept any tender considered advantageous to the CSPTCL whether it is the lowest tender or not, and In case of correction done in the tender, the same should be initialed otherwise tenders may not be considered.
- 6) All the Bidders shall essentially indicate the break-up of prices as shown in tender form. In case any of the charges are not included in the quoted prices, the same shall be clearly shown as extra, indicating specifically the rate/scale of such charges.
- 7) The terms and conditions mentioned in tender specification shall be binding on all Bidders and no condition or stipulation contrary to our condition shall be applicable.
- 8) **EARNEST MONEY:** Each bidders should submit an earnest money of Rs. 8000/- (Rs. Eight thousand) only.

**The tenders not accompanied with earnest money will summarily be rejected.**

**9) FORM OF EARNEST MONEY DEPOSIT:--**

The earnest money deposit can be furnished in any of the following forms.

- i. By Bankers cheque or DD on a schedule Bank at Raipur made payable to the Manager (RAO:HQ) CSPTCL, Raipur (C.G.).

**Offers accompanied with inadequate earnest money will be rejected and returned unopened.**

**10) Exemption from payment of earnest money: -**

- i. SSI Units of C.S./Ancillary Units of CSPTCL, for the items quoted these units must be registered.
- ii. "Fully owned state Government units" will qualify for this exemption only if 100% shares are held by the State Govt. concerned for which documentary evidence must be made available at the time of opening of tender.
- iii. In case of Small Scale Unit permanently registered with NSIC, their registration certificate should be valid for the items on tender on due date of opening.

**11) SUBMISSION OF EARNEST MONEY DEPOSIT: -**A separate envelope containing the earnest money or a certificate in support of claim for exemption from this should be attached with your offer duly super scribed Earnest Money Deposit in appropriate form against tender specification No. 02-16/SE(I)/Enq. No./46/266 Raipur, dtd. 09.06.2020 for supply of Contact Resistance Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under PSDF scheme for various EHV Sub-stations

**12) FORFEITURE OF EARNEST MONEY DEPOSIT: -**

It should be clearly understood that in the event of Bidders failing to accept and execute the telegraphic and detailed orders, if it is placed within the validity period of the offer, the full amount of earnest money will be forfeited and CSPTCL decision in this respect will be final and binding on the Bidders.

**13) EXTENSION ORDER: -**

In the event of an order being placed on Bidders, he is requested give his concurrence that he is also willing to accept additional order on the same terms and conditions , if the extension order is placed by the CSPTCL within six months from the date of acceptance / placement of order.

**14) PRICE :-**The prices should be quoted F.O.R. Destination including packing, forwarding, freight , insurance , GST and any other charges .

**15) It is mandatory to quote rates of all the items mentioned in Tender/Price bid.**

**16) PERFORMANCE GUARANTEE / DEFECTIVE SUPPLIES :-**

If during the course of 12 months from the date of dispatch, any of the goods is found to be defective in materials or workmanship or develop defect in service, the same will be rectified by you free of all charges.

- 16) SECURITY DEPOSIT :-**  
The successful Bidders shall deposit security at the rate of 10 % of the value of the order in the form of Bankers Cheque or Bank Draft in favour of “**Manager (RAO:HQ) CSPTCL, Raipur (C.G.)**.”
- 17) PAYMENT :-**  
100 % payment against receipt of the material in the STORES in good condition within a month shall be made by Manager (RAO:HQ) CSPTCL, Raipur (C.G.). No interest shall be payable in case of delay in payment.
- 19) PENALTY : -**  
If the Bidders fails to supply the material within the specified time , the penalty shall be levied @ 0.5 % per week or part thereof up to maximum of 10 % on the value of unsupplied material .
- 20) MATERIALS :-**All materials supplied shall be best quality..
- 21) DELIVERY :-**  
The delivery shall be completed within specified days mentioned in the order from the date of receipt the tendered order.
- 22) CONSIGNEE:-**The Executive Engineer (Area Stores) CSPTCL, Bhilai/Bilaspur
- 23) SUBMISSION OF BILLS:-**  
All the bills shall be submitted in triplicate to the E.E.(Area Stores), CSPTCL, Bhilai/Bilaspur
- 24) ANY DESPUTE ARISING:-** Out of the contract shall be subject to the jurisdiction of court at Raipur.
- 25)** The Chief Engineer (S&P), CSPTCL, Raipur (C.G.) reserve the right to amend or reject or the tender partially or fully or to change the Quantity of materials without assigning any reason, at any stage whatsoever

**S.E. (I)**  
**O/O C.E.(S&P) CSPTCL: RAIPUR**

## **SECTION – II**

**e-TENDER ENQUIRY NO. 02-16/SE(I)/Enq. No./46/266 Raipur,  
dtd. 09.06.2020**

**TECHNICAL SPECIFICATION FOR SUPPLY OF Contact Resistance  
Meter/Micro Ohm meter, Digital Capacitance Meter and Analog Multi Meter under  
PSDF scheme for various EHV Sub-stations**

### **TECHNICAL SPECIFICATIONS**

**Attached**

## TECHNICAL SPECIFICATION OF CONTACT RESISTANCE METER/MICRO OHM METER

### GENERAL:-

The instrument should be capable of measuring contact resistance of EHV circuit breakers, isolators, Bus Bar joints & connectors/umpers etc. ranging from few m ohm Ohms to few hundred milli Ohms, by applying continuous D.C. current max. 100 Amps. CONSTANT CURRENT SOURCE AND NOT PULSE source built in inside the instrument; having digital read out of the value of resistance measured and test current using microprocessor based control logic & precision instrumentation.

DETAILS OF TECHNICAL REQUIREMENT:-		
1	Equipment shall use classical Kelvin's 4 wire method to measure contact resistance so that need of lead resistance compensation is eliminated.	
2	Equipment shall be capable of measuring contact resistance of 0-199.9 mΩ.	
3	The equipment shall inject 100A DC into contacts from an in-built source to ensure reliable measurement in accordance with IEC 58. Injection current should be CONSTANT CURRENT and NOT PULSE type.	
4	Equipment shall be housed in sturdy molded / aluminum case for portable for easy transportation.	
5	Equipment shall have 20 X 4 Character Backlit LCD Display, to display the measured value of resistance in micro/milli Ohms along with the injected test current in Amperes simultaneously.	
6	Equipment should have remote operation provision via communication port to activate and select the operation by appropriate commands.	
7	Equipment offered shall be complete with all accessories including leads of test cables each of min. 10 meters length suitable for 4 wire measurement.	
8	The Kit shall work on Single Phase 230 ± 10 % V, 50 ± 5 % Hz. Power Supply with variations in voltage and frequency respectively.	
9	Calibration certificate from/ or traceable to NABL accredited laboratory or internationally reputed lab shall be submitted. Date of calibration shall not be older than three months from the date of receipt of the equipment at specified site.	
10	Instrument should have Built-in printer to Print the results.	
11	Result Save, Data Download and Retrieve on LCD facility.	
12	Data download port - RS-232 / USB	

TECHNICAL DETAILS	
1	Resistance Range : 0.1 micro Ohm to 199.9 milli Ohm
2	Resolution : 0.1 micro Ohm
3	Accuracy : Value $\pm 1\% \pm 1$ Digit or better
4	Max Test Current : 100Amp DC with 10A, 20A and 50Amp selection with respect to Resistance value
5	Display : 20 X 4 Backlight LCD or better
6	Input : 250 VAC $\pm 15\%$ , 50 Hz $\pm 10\%$
7	Environment : 0° to 50° C max, 95 % RH (non-condensing)
8	Test Lead Length : 10 Meter long minimum
9	Memory : On Board of upto 100 test results or more
10	Interface: RS232 or USB
11	Equipment shall be portable

17

### Digital Capacitance Meter.

#### Features:

- **Display:** 3 ½ Digits
- **Four Measuring Units :** pf, nf,  $\mu$  F, mf
- Low Battery Indication.
- Data Hold Function.
- Fuse Protection.
- Zero Adjustment knob for all Ranges.
- Backlight (Automatic Shutdown after 10 Seconds)
- **Power Supply:** 1x9 Volt Battery.

**Accessories:** Instruction Manual, One Set Test Leads, 1pc 9V Battery.

#### Specifications:-

RANGE	REVOLUTION	ACCURACY
200pF	0.1pF	±0.5%
2000pF	1pF	
20nF	10pF	
200nF	100pF	
2 $\mu$ F	1000nF	±1%
20 $\mu$ F	0.01 $\mu$ F	
200 $\mu$ F	0.1 $\mu$ F	
2000 $\mu$ F	1 $\mu$ F	±2%
20m F	10 $\mu$ F	

**ANALOG MULTIMETER**

<b>Basic Features</b>		
1	Measurement functions	Analog type multimeter AC Voltage, DC Voltage, DC Current, Resistance, Decibel, SFE function available
2	Basic dc accuracy	±0.5% of FS or better
<b>Measurements &amp; General Features</b>		
3	AC Voltage with Range: Accuracy:	Range: 10/50/250/1000V Accuracy: ±2% of FS or better
4	DC Voltage Range: Accuracy: C10	Range: 0.1/0.5/2.5/10/50/250/1000V Accuracy: ±5% of FS or better
5	AC Current Range: Accuracy:	Range: 50µA/2.5/25/250mA Accuracy: ±3% of FS or better
6	Resistance Range: Accuracy:	Range: 2/20kΩ/2/20MΩ Accuracy: ±3% of scale length or better
7	Decibel	-10 +62dB
8	hFE function	0-1000(β × 10) Accuracy: ±3% of scale length
9	Power supply	RC(AA)(1.5V) × 2.
10	Required Accessories	Test leads set Battery set Fuse for "mA/10Amp" and "Amp" Manual

**S.E. (I)**  
**O/O C.E.(S&P), CSPTCL: RAIPUR**



**TENDER ENQUIRY NO.02-16/SE(II)/ ENQ. NO. 46/266  
DTD. 09.06.2020**

**DUE ON 30.06.2020**

**Supply of CONTACT RESISTANCE METER/MICRO OHM METER,  
DIGITAL CAPACITANCE METER AND ANALOG MULTI METER  
UNDER PSDF SCHEME**

