

Office of the Executive Engineer, (E/M) Division  
Public Health Engineering Department  
Ravanbhata Raipur (Chhattisgarh)

NIT No . 6 /TS/EE/E&M/Dn./PHED/ 2017-2018/Raipur

Date 6/7/2017

**Short Notice Inviting Tender**

Sealed Tender in form "C" for the supply of following Signal Stacking Resistivity Meter Model SSR- MP- ATS with Accessories are invited on behalf of Governor of Chhattisgarh from the Manufacturer/their Authorised Dealers having past experience of such work / supply to the state and / or central Government department in the office of the undersigned upto 3 P.M. on dated 4 / 8 /2017 The tender will be opened on same day at 4.00 PM in the presence of the tendered or their authorized representatives.


S. No.	Description	Qty.	Estimated Cost in (Rs. Lacs)	Earnest Money (Rs.)	Cost of Tender Form	Time Allowed.
1.	Signal Stacking Resistivity Meter Model SSR- MP- ATS Accessories a. Four Winch Mechanism Housed in a Plastic Enclosure ( accommodates Potential and current wires in the ratio of 50X2 Potential and 350X2 Current) 1 No. each Set. b. Stainless Steel Electrodes 4 Nos each set. c. Hammers (Weight 5 Pound) 4 Nos each set d. Field Cable 0.75mm2 800 Mtr. Each Set	2 Sets	6.81 Laccs	20,430/-	750/-	30 days from issue of work order

**Terms & Condition :-**

- The application for tender form shall be received in the office of the under-signed up to 28 /7 /2017 and the tender form will be sold up to 5:00 PM during the office hour on any working day on payment of cost of tender form as per above. Application for selling tender documents by post shall be entertained only on payment of Rs.100.00 Extra ( Rs. One Hundred only ) upto 26 / 7 /2017.The Department will not be responsible for the delay or loss of the tender documents sent by post.
- Tenderer has to produce Manufacturer's certificate OR their Authorization certificate along with the proof of work experience from head of office of State/Central Organisationand

written acceptance of departmental terms & conditions as per N.I.T. at the time of purchase of tender form.


3. The Tender will not be accepted with-out deposit of earnest money in prescribed mode which should be sent separately in a separate envelope. Also the tender document received after the stipulated period will not be entertained.
4. All the taxes and duties applicable should be clearly mentioned separately.
5. Telegraphic/Unsealed/Conditional tender will not be entertained.
6. Rates should be F.O.R.: P.H.E.D. (E/M) Sub-Division, Rawanbhata, Raipur (C.G.)
7. The rates quoted shall be valid upto 180 days form the date of opening of the tender..
8. No payment against R.R. will be allowed to any supplier. 95% payment after receipt and verification of material in good condition. Balance 5% and E/M deposit shall be released after Expiry of guarantee period. The supplier may submit 'FDR' of a Nationalised Bank payable to the Executive Engineer (E/M) Division, Rawanbhata, P.H.E.D, Raipur in Lieu of 5% as security deposits in advance, then 100% Payment shall be made to supplier.
9. The Department reserves the rights to rejects any/ all tenders including lowest without assigning any reason.
10. Quantities given are approximate and may be increased or decreased as per actual requirements.
11. Required Specifications of the material is available [www.cgphed.nic.in](http://www.cgphed.nic.in) and also available Along with tender form./.
12. If the tender opening day is a holiday or leave declared by the State Govt./ Local body the tender will be received and opened on the next working day at the same time.
13. Above mentioned terms and conditions are a part of the agreement along with special terms and conditions enclosed.
14. Acceptance to the departmental terms & conditions has to be given by the tenderer in writing along with application for purchase of tender documents then only tender document shall be issued. If any deviation made or additional conditions are given in the offer then tender shall be rejected being treated as conditional tender.
15. This short N.I.T. is also available in the P.H.E. Department web site [www.cgphed.nic.in](http://www.cgphed.nic.in).

  
Executive Engineer E/M Dn.  
P.H.Engineering Department  
Raipur (Chhattisgarh)

**Special terms and conditions forming Part of Agreement (Annexure-A)**

**1. NIT No 6 / (2017-18) dated 6/7/2017**

- 1 These special terms and conditions shall be forming part of agreement along with terms and condition of Form 'C' and standard NIT form A.B.C. ( as per works Department manual )
- 2 The materials are to be supplied as per specification annexed as Annexure 'B'.
- 3 The consignee shall be :- Assistant Engineer (E&M) Sub-Division P.H.E.D. Rawanbhata, Raipur (C.G.)
- 4 Rates must be quoted FOR store including freight, transit insurance, loading unloading packing forwarding charges etc.
- 5 Applicable rate of GST to mentioned separately.
- 6 95% payment including 100% excise duty and sales tax shall be made to the supplier on receipt of goods in good condition. Balance 5% ( Five Percent) payment shall be made after expiry of Guarantee period and shall be kept as security deposit along with earnest money.
- 7 Minimum Guarantee period shall be 12 months ( form the date of supply) Defective materials shall have to be replaced free of cost within 15 days of intimation.
- 8 The contractor may deposit Five percent amount in form of FDR of a nationalized bank in lieu of Five percent security deposit which will be released along with earnest money deposit after completion of guarantee period. On receipt of FDR ( for Five percent S.D.) 100% payment shall be made.
- 9 The tender forms duly signed by the contractor has to submitted in sealed envelope along with amount of earnest money in form of FDR of a Nationalized Bank in separate envelope irrespective of their registration with DGS&D, SSI Units etc.
- 10 The tenders shall only be opened after receipt of proper earnest money deposit or otherwise it shall be returned back unopened. No tender shall be accepted without earnest money.
- 11 The period of delivery shall be 30 days to be counted from the date of issue of supply order.
- 12 The validity of offer shall be minimum 180 days from the date of submission of tender.
- 13 No deviations to the specifications or terms and condition are permissible or otherwise the tenders shall be rejected treating the tender as conditional tender and no Tender shall issued to such Firms in future.
- 14 The department reserves the right for rejecting and / all tenders including lowest without assigning any reasons.
- 15 Arbitration clause in case of disputes, if parties are not satisfied with the decision of competent authority as per clause 19 Form 'C' of agreement the matter shall have to be referred to Arbitration tribunal as per arbitration Act 1983.

  
Executive Engineer E/M Dn.  
P.H.Engineering Department  
Raipur (Chhattisgarh)

**Technical-Specifications**

Input power source	:-	24 V rechargeable batteries
Power output	:-	180 watts (Current upto 2 Amp) 350 V (700V peak to peak) automatic voltage selection.
Frequency	:-	0.8Hz (Approx)
Noise rejection	:-	95 db
Potential measuring range	:-	Microprocessor based unit with measurement resolution of 10 micro volts.
Range selection	:-	Automatic
Resistance Range	:-	$10^{-5}$ to $10^4$ ohms
Self potential cancellation	:-	Automatic
Dynamic Range	:-	15 bits
Data averaging	:-	Upto 16 cycles
Input impedance	:-	1 Mega Ohm
Accuracy	:-	$\pm 1\%$
Interaction with the system	:-	User friendly menu operation with 6x5 feather touch key pad and 20x4 Alphanumeric liquid Crystal Display.
Measurement Display	:-	Stack No./Stacks selected. Next line current and running average of average of resistance.
Output	:-	Survey code, Date, Time, Display of Electrode spacing's, Resistance, Apparent Resistivity and Longitudinal Conductance through 20x4 Alphanumeric Liquid Crystal Display
Data Transfer	:-	The data can be transferred directly to any windows based PC through USB port for analysis and interpretation

Contt..2..



// 2 //

Depth penetration	:-	upto 600 m under favorable geological / field conditions
Protection	:-	Protected against circuit overloads.
Error Signals for	:-	Poor Current and Potential electrode grounding and discontinuity.
Additional Features	:-	A resistivity meter first of its kind in the world. Directly measures the true (strip) resistivity of the formation occurring between two successive current electrode spacing's. In addition to all the features of SSR-MP-AT.

**SSR-MP-AT Series. :-**

1. SSR-MP-AT-DS :- Have all the above features of SSR-MP-AT-S. in addition it has a 2.5 KVA Generator, compatible current control unit to conduct very deep resistivity sounding's of 1 to 1.5 km depth.
2. SSR-MP-AT-ME :- Multi electrode resistivity meter to scan the subsurface formations using "Resistivity Scanning Technique. Have all the features of SSR-MP-AT-S.

Optional feature for:- Features like build in GPS and remote data  
the above models transmission can also be incorporated.

  
Executive Engineer (E/M) Dn.  
 Public Health Engineering Dept.  
Raipur (C.G.)