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நவீன தொழில்நுட்பவியல்களுக்கான ஆர்தர் சீ கிளார்க் நிறுவகம்

Arthur C Clarke Institute for Modern Technologies

(A corporate body established by Act No. 11 of 1994)

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මගේ අංකය } AC/P21G22
எனது இல }
My No. }

ඔබේ අංකය }
உமது இல }
Your No. }

දිනය } 29. 07. 2021
திகதி }
Date }

Marketing Manager

Dear Sir,

Procurement of supply and commissioning of 01 no. Radio Frequency Analyzer and 02 Nos. Handheld Rugged Digital Multimeter (AC/P21G22).

The Chairman, Department Procurement Committee (DPC), on behalf of the Arthur C Clarke Institute for Modern Technologies (ACCIMT) invites sealed Bids for the Procurement of supply and commissioning of 01 no. Radio Frequency Analyzer and 02 Nos. Handheld Rugged Digital Multimeter (AC/P21G22). Receiving of bids will be closed at 11:00hrs, on 24th August 2021.

Bids should be submitted on the documents/compliance sheets issued by the ACCIMT.

Duly prepared bids in duplicate should be sent under a sealed cover either by registered post addressed to the Chairman, Department Procurement Committee or should be deposited in the Bid Box available at the office of the Senior Deputy Director (Admin & HR), Ground Floor, Building "C", Arthur C Clarke Institute for Modern Technologies on or before the closing time specified in ITB Clause no. 11 & late bids will be rejected. Bids will be opened immediately thereafter.

Bidders or their authorized representatives, not exceeding two (2) in numbers are eligible to be presented at the opening of bids.

For further details, please contact Assistant Director (Admin) on Tel: 011-5677391 or 011-2650838.


G H C Jayarani
Senior Deputy Director (Admin & HR)
For Director General & CEO

-/srsr





**ARTHUR C CLARKE INSTITUTE
FOR MODERN TECHNOLOGIES
(ACCIMT)**



INVITATION FOR BIDS

**PROCUREMENT OF SUPPLY AND COMMISSIONING OF 01 NO. RADIO
FREQUENCY ANALYZER AND 02 NOS. HANDHELD RUGGED DIGITAL
MULTIMETER**

The Chairman of Department Procurement Committee (DPC), on behalf of the ACCIMT hereby invites sealed bids from eligible and qualified bidders for **Procurement of supply and commissioning of 01 no. Radio Frequency Analyzer and 02 Nos. Handheld Rugged Digital Multimeter (AC/P21G22).**

- 1) Bidding will be conducted through National Competitive Bidding (NCB) Procedure.
- 2) Interested bidders may obtain further information from the Assistant Director (Admin) of ACCIMT by calling on 011-2650838 on any working day from **09:00hrs to 15:00hrs, until 23rd August 2021.**
- 3) A complete set of Bidding Documents in English Language is available in following website "www.accimt.ac.lk" Interested bidders are requested to download the relevant documents from the above mentioned website.
- 4) Bids shall be delivered or sent by registered post to the Chairman, Department Procurement Committee, ACCIMT to reach on or before **11:00hrs on 24th August 2021.** Bids will be opened soon after closing at the same address in presence of the bidders' representatives who choose to attend.
- 5) All bids shall be accompanied by a **Bid Security** in favor of The Director General & CEO, ACCIMT for an amount of **Rs. 90,000** valid until **21st December 2021.**
- 6) The Bid Security should be issued by one of the following agencies:
 - a commercial bank operating in Sri Lanka approved by the Central Bank of Sri Lanka;
or
 - a bank based in another country but the guarantee "confirmed" by a bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.

**Director General & CEO
Arthur C Clarke Institute for Modern Technologies
272, Bandaranayake Mawatha
Katubedda, Moratuwa**

Instructions to Bidders (ITB)

1. ACCIMT invites sealed Bids for the “Procurement of supply and commissioning of 01 no. Radio Frequency Analyzer and 02 Nos. Handheld Rugged Digital Multimeter (AC/P21G22)”. Bids should be submitted with duly filled attached compliance sheets & Bid Submission form.
2. The bidder must agree to **deliver & satisfactory completion of installations, within 04weeks** from the date of Letter of Acceptance/Purchase Order of the contract.
3. If the successful bidder fails to deliver & satisfactory completion of installation any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the ITB Clause No. 2, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages (LD), a sum equivalent to the 0.05% of the Contract Price of the delayed Goods or unperformed Services for each day of delay until actual delivery or performance, up to a **maximum deduction 5%** of the Contract Price of the delayed Goods. Once the maximum is reached, the Purchaser may terminate the Contract & forfeit performance security.
4. ACCIMT will not bind itself to accept the lowest or any bid and shall not consider any bid which is incomplete or which does not include the whole of the items covered by the specifications.
5. ACCIMT will not be responsible for or pay for any expenses or losses which may be incurred by Bidder preparation of his bid document.
6. The past performance of the bidder will be considered during the evaluation of bids. Bidders who failed to comply for conditions of bid and contractual obligations during previous procurements of the ACCIMT will be a disqualification.
7. All bids should fully acquaint themselves, with the conditions of contract, and the Form of Agreement which they will be required to sign in order that any special difficulties or peculiar features may be noted.
8. It is obligatory on the part of bidder to satisfy himself before bidding that the required items which should be supplied by him are actually available as no consideration what so ever will be given to the successful bidder for failure to comply with the work under the contract by reason if non-availability of such items.
9. All bidders submitting bids may get any clarification regarding to bid could be obtained from Assistant Director (Admin) or his nominee during working hours.
10. All Bids shall be accompanied by a **Bid Security** as per the attached format and must be submitted **in duplicate**, duly filled and signed. Bid Security shall be irrevocable and unconditionally en-cashable upon the first written request from the Procuring Entity.

Bid Security which shall be;

- (a) remain valid until 21st December 2021
 - (b) for an amount of Rs. 90,000.00
 - (c) in favour of the Director General & CEO, Arthur C Clarke Institute for Modern Technologies (ACCIMT), Bandaranayake Mw, Katubedda, Moratuwa
 - (d) issued by one of the following agencies
 - ✓ a commercial bank operating in Sri Lanka approved by the Central Bank of Sri Lanka;
 - or
 - ✓ a bank based in another country but the guarantee “confirmed” by a bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.
 - (e) Bank draft or any other type of securities, guarantees will not be accepted.
11. (a) Bids must be placed in separate sealed envelope and marked respectively “Original Bid – AC/P21G22” and “Duplicate Bid – AC/P21G22”
- (b) Both envelopes should be enclosed in one securely sealed cover and top left-hand corner of the envelope containing your bid should be marked as follows “Sealed Bid – AC/P21G22- Closing 11:00hrs on 24th August 2021”
- (c) Duly prepared bids in duplicate should be delivered under a sealed cover by registered post addressed to the Chairman, Department Procurement Committee, Arthur C Clarke Institute for Modern Technologies (ACCIMT), Katubedda, Moratuwa or should be deposited in the Bid Box available at the office of the Senior Deputy Director (Admin & HR), Ground Floor, Building “C”, Arthur C Clarke Institute for Modern Technologies, on or before 11.00 AM on 24th August 2021. Both the original bid and the duplicate thereof are not received by the specified time on the due date, will be rejected.
- (d) The bidder or his authorized representative may present at the time of opening of the bids i.e. immediately after closing.
12. The successful bidder will be required to pay all stamp duties (if any) in respect of the contract documents in accordance with stamps ordinance.
- (a) No alteration may be made in the forms of bid or in other documents thereto except in filling up of the bid forms and signing the bid as directed. If any alternation is made or if these conditions are not fully complied with the bid shall be rejected. All entries in the form of the bid and or schedule of rates shall be in ink or typewritten.
 - (b) ACCIMT reserves the right without question to reject any or all the bids and the right to accept any bid. Notices of acceptance of bid will be sent by registered post/Fax to the successful bidder to the address given by him in his bid.

13. The successful bidder will be required to submit a Performance Security as per the attached format from a recognized Bank (a Commercial Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka or a bank based in another country but the guarantee “confirmed” by a bank operating in Sri Lanka approved by the Central Bank of Sri Lanka) within 14 days from the date of Letter of Acceptance in favour of the Director General & CEO, Arthur C Clarke Institute for Modern Technologies (ACCIMT), Bandaranayake Mw, Katubedda, Moratuwa for an amount equivalent to 10% of the contract price. The performance security shall be valid till 20weeks period from the date of Letter of Acceptance.
14. The bidder must write the total amount of the bid in figures as well as in words where the amount given in figures differs from the amount in words, the amount stated in words will be treated as the correct bid amount.
15. All ordered items along with “Delivery notes, Packing List, Warranty Cards, Manuals, Brochures, Software” should be delivered during official working hours (Monday to Friday except government holidays from 09:00hrs to 15:00hrs) of the week to General Stores, 2nd Floor, Building “A”, Arthur C Clarke Institute for Modern Technologies (ACCIMT) Katubedda, Moratuwa.
16. All bids submitted shall be valid for a period of **Ninety-One days (91)** from the closing date of the bid, unless such period is extended by agreement between the bidder and the Arthur C Clarke Institute for Modern Technologies (ACCIMT)
17. Arthur C Clarke Institute reserves right to negotiate with any selected bidder after the submission of bids with regard to any clarifications.
18. Pre-Bid Meeting is: ~~Required~~/Not Required
19. Rejection of bids
 - (i) The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.
 - (ii) No bid will be accepted by hand or by post after the time scheduled for accepting such bids.
 - (iii) The bids will be evaluated only if all documents requested are properly furnished.
 - (iv) Bid Security acceptable to the Procuring entity should be attached to the bid.
 - (v) Bid Security shall be valid for the period of time specified in ITB Clause 10 (a).
 - (vi) The bid price shall include all parts, components, accessories and services those specified in the bid document. Any bid not meeting all the above conditions shall invariably be rejected.
 - (vii) Bidder must provide their technical specification of the offer in writing and avoid use words such as “do”, “Yes” and “Comply” in filling the compliance sheets.

(viii) Bids that are not giving sufficient technical and other details may be rejected.

20. Successful bidder should supply the selected model; alternative will not be accepted.

21. Please state whether the whole items which are used is brand new and not used ones.

22. The bidders are kindly requested to indicate the VAT Registration number. If you are not registered for VAT, a letter obtained from the Inland Revenue Department certifying that the company has not been registered for VAT, should be attached.

23. Please attach company profile and a list of present clienteles with their names, addresses and telephone numbers of similar jobs carried out in Sri Lanka within last Five years.

24. The successful bidder should be agreeing to following payment terms

- Full payment will be paid within 56days after satisfactory completion of the job.

25. Bidder shall provide original and duplicate bidding documents including following documents and all other documents specified in the bidding document:

- (i) Bid Submission Form
- (ii) Bid Security
- (iii) Specifications/Compliance Sheet
- (iv) Manufacturer's Authorization (As specified in ITB Clause no. 26)
- (v) Copy of Business Registration
- (vi) Company Profile
- (vii) List of present clienteles with their names, addresses and telephone numbers of similar jobs carried out in Sri Lanka within last Five years
- (viii) Information of Chief Executive Officer/Legal Owners/Board of Directors, etc. with specimen signatures
- (ix) Brochures, Catalogues, E-Links & sufficient technical details
- (x) Warranty information

26. Manufacturer's authorization

- i.) Bidder shall submit one of the following manufacturer's authorization
 - Manufacturer's Authorization (As per the attached format)
 - Letter of Sole Agent/Agent of the manufacturer and proof documents acceptable to the procuring entity
- ii.) The original manufacturer's authorization letter should be provided at least at the time of delivery of items
- iii.) If a scanned copy of manufacturer's authorization is produced at the time of bidding, a direct email from the manufacturer should be sent to one of the following email addresses

Email; procurement@accmt.ac.lk
accimtprocurement@gmail.com

27. Terms and conditions of warranty

- (i) The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless if this clause is made void specifically mentioned in the "Specification/Compliance Sheet"
- (ii) The Supplier warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- (iii) The Supplier shall expeditiously repair or replace the defective Goods or parts (*including cost of transport of equipment or parts if required*) thereof, at no cost to Arthur C Clarke Institute for Modern Technologies, within the warranty period. Parts, Accessories & consumables of the Goods Shall be available at least for 05 years.
- (iv) If warranty terms & conditions are deviated from the warranty specification of ACCIMT in the "Specification/Compliance Sheet" and ITB clause no. 27, please specify in the bid document.


G H C Jayarani
Senior Deputy Director (Admin & HR)
For Director General & CEO

Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date:

Bid Ref. No.: AC/P21G22

To: Director General & CEO,
Arthur C Clarke institute for Modern Technologies (ACCIMT)
No. 272, Bandaranayake Mawatha
Katubedda
Moratuwa

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;

(b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the ITB Clause No. 2, the following Goods and Related Services
Procurement of supply and commissioning of 01 no. Radio Frequency Analyzer and 02 Nos. Handheld Rugged Digital Multimeter (AC/P21G22)

(c) The total price of our Bid without VAT, including any discounts offered is: *[insert the total bid price in words and figures]*;.....
.....
.....
.....

(d) The total price of our Bid including VAT, and any discounts offered is: *[insert the total bid price in words and figures]*;.....
.....
.....
.....

- (e) Our bid shall be valid for the period of time specified in ITB Clause 16, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 11, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (g) We understand that this bid, together with your written acceptance thereof included in your notification of Award/Purchase Order, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (h) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed:
[insert signature of person whose name and capacity are shown]

In the capacity of.....
[insert legal capacity of person signing the Bid Submission Form]

Name:
[insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of:

.....
[insert complete name of Bidder]

Dated on day of, *[insert date of signing]*

Manufacturer's Authorization

[[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Date:

Bid Ref. No: AC/P21G22

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a quotation the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and supply the goods.

We hereby extend our full guarantee and warranty in accordance with *ITB Clause no. 27* of the Bid Document, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on..... day of, *[insert date of signing]*

2. Performance Security

[Note: the purchaser is required to fill the information marked as "*" and delete this note prior to selling of the bidding document]

[The issuing agency, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

----- [Issuing Agency's Name, and Address of Issuing Branch or Office] -----

* **Beneficiary:**----- [Name and Address of Employer] -----

Date: -----

PERFORMANCE GUARANTEE No.: -----

We have been informed that ----- [name of Supplier] (hereinafter called "the Supplier") has entered into Contract No. ----- [reference number of the contract] dated ----- with you, for the ----- Supply of ----- [name of contract and brief description] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Supplier, we ----- [name of Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [amount in figures] (-----) [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of, 20.. [insert date, 28 days beyond the scheduled completion date including the warranty period] and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

Bid Guarantee

[Note: the purchaser is required to fill the information marked as "*" and delete this note prior to selling of the bidding document]

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- [insert issuing agency's name, and address of issuing branch or office] -----

*Beneficiary: ----- [name and address of Purchaser]

Date: ----- [insert (by issuing agency) date]

BID GUARANTEE No.: ----- [insert (by issuing agency) number]

We have been informed that ----- [insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing agency) date] (hereinafter called "the Bid") for the supply of [insert name of Supplier] under Invitation for Bids No. ----- [insert IFB number] ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- [insert name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [insert amount in figures] ----- [insert amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- (insert date)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

[signature(s) of authorized representative(s)]

Arthur C Clarke Institute for Modern Technologies(ACCIMT)
Procurement of Supply and Commissioning of 01 no. Radio Frequency Analyzer and 02 no. Handheld Rugged Digital Meter(AC/P21G22)

Bidder: _____

VAT No.: _____

Address: _____

Tel No.: _____

Email.: _____

Fax No.: _____

Specifications/Compliance Sheet - 02 Nos. Handheld Rugged Digital Multimeters(PR-705)

No.	Component	Minimum Specifications (ACCIMT)	Bidder Specification
Bidder must provide their Technical Specification of the offer and <u>avoid use</u> words such as "Do", "Yes" and "Comply" in filling the Compliance Sheets.			
Technical Specification - 02 Nos. Handheld Rugged Digital Multimeters			
1	Display Type	LCD Display	
2	Display Digits	Atleast 5	
3	AC bandwidth	Atleast 2kHz	
4	true RMS	AC	
5	Drop Proof	Atleast upto 2 meters	
6	Voltage DC Range	Minimum range- less than or equal to 100mV Maximum range- more than or equal to 1000V	
7	Voltage DC Accuracy	0.1% or better	
8	Voltage AC Range	Minimum range- less than or equal to 100mV Maximum range- more than or equal to 1000V	
9	Voltage AC Accuracy	1% or better	
10	Current DC Range	Minimum range- less than or equal to 1000µA Maximum range- more than or equal to 10A	
11	Current DC Accuracy	0.1% or better	
12	Current AC Range	Minimum range- less than or equal to 1000µA Maximum range- more than or equal to 10A	
13	Current AC Accuracy	1% or better	
14	Resistance Range	Minimum range- less than or equal to 100Ω Maximum range- more than or equal to 100MΩ	
15	Resistance Accuracy	0.5% or better	
16	Frequency Range	Minimum range- less than or equal to 100Hz Maximum range- more than or equal to 10MHz	

17	Frequency Accuracy	0.1% or better	
18	Capacitance Range	Minimum range- less than or equal to 1000nF Maximum range- more than or equal to 10mF	
19	Capacitance Accuracy	1% or better	
20	Temperature Range	Minimum range- less than or equal to -100 °C Maximum range- more than or equal to 1000°C	
21	Temperature Accuracy	1% or better	
22	Diode test	Should be available	
23	Minimum and Maximum value recording	Should be available	
24	Display hold	Should be available	
25	Auto hold	Should be available	
26	PC-Connectivity	Should be available	
27	Harmonic ratio	Should be available	
28	Non-contact voltage detection	Should be available	
29	Low impedance mode	Should be available	
30	Differential temperature measurement	Should be available	
31	Accessories	Should include 02 test leads (red and black), 01 4-mm test probes, 01 alligator clips, fine-tip test probes, 01 SMT grabbers, 01 mini grabbers, 01 AC current clamp	
32	Rugged Carrying case	water and dust proof rugged carrying case should be available	
33	Power	Should be battery operated either AA or AAA Batteries	
34	Battery life	Atleast 300 hours	
35	Manual and Calibration Certificates	Should be Included	
General Specification			
37	Make	Bidder should be marked	
38	Model	Bidder should be marked	

39	Country of Manufacture	Bidder should be marked	
40	Country of Origin	Bidder should be marked	
41	Manufacturer's Authorization	Bidder should be attached (Please refer clause no. 26 of the bid document)	
35	Warranty	3 year comprehensive Warranty including all parts replacements on Site (Please refer clause no. 27 of the bid document)	
43	After sales services/technical support	Should be Available within 24hrs after Complaint, Specify number of free services per year	
44	Validity of Bid	91 Days	
45	Delivery & Installation	Within 04weeks from the date of Purchase Order	
46	Payment terms	Credit/ 56 days	
Unit Price for Handheld Rugged Digital Multimeter Rs.			
Price for 02 Nos. Handheld Rugged Digital Multimeters Rs.			
Discount (if any).....(%)			
Discounted Price Rs.			
VAT.....(%)			
Total Price with Taxes for 02 Nos. Handheld Rugged Digital Multimeters Rs.			
Total Price with Taxes in words for 02 Nos. Handheld Rugged Digital Multimeters :			

Signature of Bidder: _____

Name & Designation: _____

Mobile Phone No.: _____

Date: _____

Company Rubber Stamp

Procurement of Supply and Commissioning of 01 no. Radio Frequency Analyzer and 02 no. Handheld Rugged Digital Meter(AC/P21G22)

Bidder: _____

VAT No.: _____

Address: _____

Tel No.: _____

Email.: _____

Fax No.: _____

Specifications/Compliance Sheet - Radio Frequency Analyzer (PR-705)

No.	Component	Minimum Specifications (ACCIMT)	Bidder Specification
Bidder must provide their Technical Specification of the offer and <u>avoid use</u> words such as "Do", "Yes" and "Comply" in filling the Compliance Sheets.			
Technical Specification - Radio Frequency Analyzer			
1	Frequency	Minimum range - less than or equal to 100kHz Maximum range - more than to equal to 9GHz	
2	Frequency Accuracy	± 1ppm or better	
3	IF Bandwidth	Should have IF bandwidths of 10Hz, 30Hz, 100Hz, 300Hz, 1KHz, 3KHz, 10KHz, 30KHz, 100KHz	
4	System Impedance	Between 40Ω to 60Ω	
5	Power level Accuracy	± 2dB or better	
6	Measurement Speed for Cable Test	Atleast 500μs/point	
7	Maximum Input level	Atleast +25dBm	
8	Measurements	Should measure Distance to fault, Return Loss, VSWR	
9	Marker Function	Peak, Next Peak, Peak Left, Settable	
10	Gain	Between +20dB to +25dB	
11	Display Range(log scale)	Between 10 to 15 division	
12	Total Absolute amplitude Accuracy	± 1.0 or better	
13	Trace Detectors	Normal, Positive Peak, Negative Peak, Sample, Average	
14	Trance Detector Number	Atleast 4	
15	Number of Markers	Atleast 6	
16	Markers Dynamic Range	Please specify	
17	Built in GPS Receiver	Should be available	

18	Random Vibration	Should be able to with stand Random Vibration	
19	Display	Between 6"to 10"LCD/LED Display	
20	USB-A	Atleast 1 USB-A Ports	
21	Mini USB	Atleast 1 Mini USB Ports	
22	LAN Connector	Atleast 1 RJ-45	
23	Internal Data Storage	Atleast 4GB	
24	Rugged Case	Should be Included	
25	Power	Should be battery operated	
26	Weight	Less than or equal to 4kg including with battery	
27	Vector Network Analyzer Transmission	Should have provision to include a Vector Network Analyzer Transmission in the future. Please specify the means by which this is achieved	
28	Spectrum Analyzer	Should have provision to include a Spectrum Analyzer in the future. Please specify the means by which this is achieved	
29	Manual and Calibration Certificates	Should be Included	
General Specification			
30	Make	Bidder should be marked	
31	Model	Bidder should be marked	
32	Country of Manufacture	Bidder should be marked	
33	Country of Origin	Bidder should be marked	
34	Manufacturer's Authorization	Bidder should be attached (Please refer clause no. 26 of the bid document)	
35	Warranty	3 year comprehensive Warranty including all parts replacements on Site (Please refer clause no. 27 of the bid document)	
36	After sales services/technical support	Should be Available within 24hrs after Complaint, Specify number of free services per year	
37	Validity of Bid	91 Days	
38	Delivery & Installation	Within 04weeks from the date of Purchase Order	

39	Payment terms	Credit/ 56 days	
		Unit Price for Radio Frequency Analyzer Rs.	
		Discount (if any).....(%)	
		Discounted Price Rs.	
		VAT.....(%)	
		Total Price with Taxes for Radio Frequency Analyzer Rs.	
Total Price with Taxes in words for Radio Frequency Analyzer :			

Signature of Bidder: _____

Name & Designation: _____

Mobile Phone No.: _____

Date: _____

Company Rubber Stamp