

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2492600563
DATE : 10.09.2026
REQ No : 1172600835
REQ TITLE : Oscilloscope Instrument
DELIVERY LOCATION : 0051 - CS WRSN, TRNSMSN
CLOSING DATE : 16.09.2026
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1	7000000013		OSCILLOSCOPE INSTRUMENT FOR TIME-OF-FLIGHT PD LOCALIZATION# TYPE: PORTABLE HIGH-SPEED DIGITAL STORAGE OSCILLOSCOPE SUITABLE FORTIME-OF-FLIGHT PARTIAL DISCHARGE LOCALIZATION TESTING ON POWER CABLES, TRANSFORMERS, GIS, AND HIGH-VOLTAGE EQUIPMENT.# APPLICATION: REQUIRED FOR CAPTURING HIGH-FREQUENCY PARTIAL DISCHARGE PULSES FROM HFCT, TEV, UHF, ACOUSTIC, OR EQUIVALENT PD SENSORS AND MEASURING PULSE ARRIVAL TIME DIFFERENCE BETWEEN CHANNELS FOR PD SOURCE LOCALIZATION.# NUMBER OF CHANNELS: MINIMUM 4 ANALOG INPUT CHANNELS WITH SIMULTANEOUS ACQUISITION ON ALL CHANNELS.# ANALOG BANDWIDTH: MINIMUM 500 MHZ; 1 GHZ OR HIGHER PREFERRED FOR ACCURATE FAST PULSE DETECTION AND TIME-OF-FLIGHT MEASUREMENT.# SAMPLING RATE: MINIMUM 5 GS/S PER CHANNEL FOR 2-CHANNEL OPERATION AND MINIMUM 2.5 GS/S PER	1	EA				

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			CHANNEL FOR 4-CHANNEL OPERATION; HIGHER SAMPLINGRATE PREFERRED.# VERTICAL RESOLUTION: MINIMUM 8-BIT; 12-BIT OR 16-BIT HIGH-RESOLUTIONMODE PREFER RED FOR LOW-LEVEL PD PULSE ANALYSIS.# INPUT IMPEDANCE: 50 # AND 1 M# SELECTABLE INPUT IMPEDANCE, COMPATIBLEWITH STANDARD PD SENSORS AND COAXIAL MEASUREMENT CIRCUITS.# INPUT COUPLING: AC, DC, AND GROUND COUPLING SHALL BE AVAILABLE.# TIME BASE ACCURACY: HIGH-STABI TY INTERNAL TIME BASE WITH ACCURACYSUITABLE FOR NANOSECOND-LEVEL TIME DELAY MEASUREMENT.# TIME MEASUREMENT RESOLUTION: CAPABLE OF ME ASURING TIME DIFFERENCEBETWEEN CHANNELS IN THE NANOSECOND RANGE FOR TIME-OF-FLIGHTLOCALIZATION. DELTA-TIME MEASUREMENT ACCURACY AND RESOLUTION SHALL BESPECIFIED BY THE MANUFACTURER.# CHANNEL-TO-CHANNEL TIMING:						

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			CHANNEL-TO-CHANNEL SKEW SHALL BE #1 NS,PREFERABLY #500 PS. THE OSCILLOSCOPE SHALL PROVIDE CHANNEL DESKEW/TIMEALIGNMENT FUNCTIONALITY TO COMPENSATE FOR TIMING DIFFERENCES BETWEENCHANNELS AND CONNECTED CABLES.# TRIGGERING: EDGE, PULSE WIDTH, RUNT, TIMEOUT, EXTERNAL TRIGGER, ANDADVANCED TRIGGER FUNCTIONS SHALL BE PROVID ED FOR STABLE CAPTURE OF PDPULSES.# MEMORY DEPTH: MINIMUM 100 MPTS TOTAL ACQUISITION MEMORY; EXPANDABLE ORSEGMENTED MEMORY PREFERRED FOR LONG-DURATION PD PULSE CAPTURE.# ACQUISITION MODES: NORMAL, PEAK DETECT, AVERAGING, HIGH-RESOLUTION,SEGMENTED MEMORY, ROLL MODE , AND SINGLE-SHOT CAPTURE.# MEASUREMENT FUNCTIONS: AUTOMATIC RISE TIME, FALL TIME, PULSE WIDTH,PEAK-TO-PEAK VOLTAGE, RMS, FREQUENCY, DELAY BETWEEN CHANNELS,						

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			CURSORMEASUREMENT, AND STATISTICAL MEASUREMENT FUNCTIONS SHALL BE AVAILABLE.# DISPLAY: MINIMUM 10-INCH COLOR DISPLAY WITH CLEAR WAVEFORMVISUALIZATION, ZOOM, CURSOR, AND MULTI-CHANNEL OVERLAY FUNCTIONS.# DATA STORAGE: INTERNAL STORAGE AND USB/LAN EXPORT FACILITY FORWAVEFORM FILES, SCREENSHOTS, CSV DATA, AND TEST REPORTS.# CONNECTIVITY: USB, LAN/ETHERNET, HDMI/VGA OUTPUT , EXTERNAL TRIGGERINPUT, AND REMOTE-CONTROL INTERFACE SHALL BE PROVIDED.# SOFTWARE: PC-BASED WAVEFORM ANALYSIS SOFTWARE SHALL BE PROVIDED FOROFFLINE WAVEFORM REVIEW, TIME DELAY MEASUREMENT, DATA EXPORT, AND REPORTPREPARATION.# POWER SUPPLY: 230 V AC ±10%, 50 HZ UAE POWER SUPPLY WITH SUITABLEPOWER CORD AND PLUG; BATTERY-POWERED OR UPS-COMPATIBLE OPERATIONPREFERRED FOR FIELD TESTING.# PORTABILIT						

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			Y: PORTABLE BENCH-TOP OR RUGGED FIELD-USE DESIGN WITHCARRYING HANDLE/CASE SUITABLE FOR SUBSTATION AND SITE TESTING.# OPERATING ENVIR ONMENT: SUITABLE FOR INDOOR AND SUBSTATION FIELDENVIRONMENT OPERATION WITHIN UAE AMBIENT CONDITIONS.# COMPLIANCE: INSTRUMENT SHALL C OMPLY WITH APPLICABLE IEC/EN SAFETY ANDEMC REQUIREMENTS FOR MEASUREMENT EQUIPMENT, INCLUDING IEC 61010-1 ANDIEC 61326 OR EQUIVALENT RECOGNIZED STANDARDS.# WARRANTY: MINIMUM 2-YEAR INSTRUMENT WARRANTY SHALL BE PROVIDED.THE INSTRUMENT SHALL BE SUPPLIED AS A COMPLETE READY-TO-USE TESTINSTRUMENT SUITABLE FOR HIGH-FREQUENCY PD PULSE ACQUISITION ANDTIME-OF-FLIGHT ANALYSIS, INCLUDING ALL REQUIRED PRO BES, CABLES,SOFTWARE, CALIBRATION DOCUMENTS, AND ACCESSORIES.ACCESSORIES (MANDATORY)# MINIMUM 4 NOS. HIGH-QUALITY 50						

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			# COAXIAL INPUT CABLES WITH BNC CONNECTORS, MINIMUM 5 M LENGTH EACH.# SUITABLE LOW-LOSS COAXIAL EXTENSION CABLES FOR SITE TESTING, MINIMUM 20 M LENGTH, AS REQUIRED FOR TIME-OF-FLIGHT MEASUREMENT BETWEEN SENSORS.# EXTENSION CABLES USED FOR TIME-OF-FLIGHT MEASUREMENT SHALL BE MATCHED DIN TYPE AND LENGTH. CABLE PROPAGATION DELAY/VELOCITY FACTOR SHALL BE SPECIFIED BY THE MANUFACTURER TO ALLOW ACCURATE COMPENSATION OF CABLE-INDUCED TIME DELAY.# MINIMUM 4 NOS. VOLTAGE PROBES SUITABLE FOR OSCILLOSCOPE INPUT CHANNELS.# 50 # BNC FEED-THROUGH TERMINATORS AND BNC ADAPTORS SHALL BE PROVIDED.# EXTERNAL TRIGGER CABLE AND SYNCHRONIZATION CABLE SHALL BE PROVIDED.# CARRYING CASE OR RUGGED TRANSPORT CASE SHALL BE PROVIDED FOR SITE USE.# PC ANALYSIS SOFTWARE LICENSE,						

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			COMMUNICATION CABLES, USB STORAGE DEVICE, AND USER MANUA LS SHALL BE PROVIDED.# POWER CABLE SUITABLE FOR 230 V AC, 50 HZ UAE POWER SUPPLY WITH APPROPRIATE PLUG SHALL BE PROVIDED.GENERAL (MAN DATORY)# THE OSCILLOSCOPE SHALL BE SUPPLIED IN READY-TO-USE CONDITION WITH ALL HARDWARE, SOFTWARE, ACCESSORIES, AND LICENSES REQUIRED FOR TIME-OF-FLIGHT PD LOCALIZATION TESTING.# FACTORY CALIBRATION CERTIFICATE TRACEABLE TO INTERNATIONAL STANDARD SHALL BE PROVIDED.# ROUTINE TEST CERTIFICATE AND MANUFACTURER'S CONFORMITY CERTIFICATE SHALL BE PROVIDED.# ALL CHANNELS SHALL SUPPORT SIMULTANEOUS WAVEFORM ACQUISITION WITHOUT LOSS OF TIMING SYNCHRONIZATION.# THE SUPPLIER SHALL DEMONSTRATE PD PULSE ACQUISITION, MULTI-CHANNEL TRIGGERING						

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			, CHANNEL DESKEW, AND TIME DELAY MEASUREMENT DURING SITE DEMONSTRATION.# DURING THE DEMONSTRATION, THE SUPPLIER SHALL DEMONSTRATE TIME -OF-FLIGHT MEASUREMENT USING A KNOWN OR CONTROLLED TIME DELAY BETWEEN CHANNELS TO VERIFY THE INSTRUMENT'S TIMING MEASUREMENT CAPABILITY AND ACCURACY.# INSTRUMENT FIRMWARE AND SOFTWARE UPDATES SHALL BE PROVIDED DURING THE WARRANTY PERIOD.# SUPPLIER SHALL PROVIDE COMPLETE OPERATION MANUAL, SERVICE MANUAL, SOFTWARE GUIDE, AND RECOMMENDED MAINTENANCE PROCEDURE. SUITABILITY# SUITABLE FOR TIME-OF-FLIGHT PARTIAL DISCHARGE LOCALIZATION BY MEASURING THE ARRIVAL TIME DIFFERENCE OF PD PULSES CAPTURED FROM MULTIPLE SENSORS INSTALLED AT DIFFERENT POINTS OF THE TEST OBJECT.# SUITABLE FOR USE WITH HFCT, TEV, UHF, ACOUSTIC, OR EQUIVALENT PD SENSORS, SUBJECT TO						

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			COMPATIBILITY WITH OSCILLOSCOPE INPUT IMPEDANCE AND BANDWIDTH. # SUITABLE FOR SITE TESTING, TROUBLESHOOTING, WAVEFORM RECORDING, AND REPORT PREPARATION FOR PD LOCALIZATION ACTIVITIES. SITE DEMONSTRATION REQUIRED DURING TENDER STAGE. SUPPLIER TO PROVIDE SITE TRAINING AFTER DELIVERY.						

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

Oscilloscope Instrument

STANDARD TERMS & CONDITIONS

- 1) RFQ Document Disclaimer: The PDF version of this Request for Quotation (RFQ) is provided for convenience only and contains a summary of key information. It does not include all technical details, requirements, or specifications. Bidders must refer to the complete system documentation and all referenced materials to obtain full and accurate information necessary for preparing their proposals.
- 2) Prices should be 'DDP' delivery duty paid at DEWA stores.
- 3) Quotation to be submitted only in local currency U.A.E Dirhams

MATERIAL AND OR SERVICE PROVIDED TO DEWA SHOULD PREFERABLY BE ENERGY EFFICIENT AND ENVIRONMENT FRIENDLY.

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- 4) DEWA Standard Payments: Payment will be made within 30 days from the date the Supplier/Contractor submits a complete and accurate invoice, together with all required supporting documents, subject to the material and/or services having been duly accepted.
- 5) No DEWA staff or his or her relatives up to third degree should have ownership or partnership in your company, and your participation in DEWA tenders / RFQs should not constitute a Conflict or perceived Conflict of Interest.
- 6) The offered product and/or services in the Quotation, shall be confirming and in accordance with DEWA Energy Management Policy & EnMS Manual.
- 7) Confidentiality Clause: The Supplier/Service Provider shall treat all information and data (excluding open data) contained in the Purchase Order or obtained by the Supplier/Service Provider in connection with the execution of Works as proprietary and strictly confidential. In particular, the Supplier/ Service Provider shall not publish or disclose any data or information including but not limited to personally identifiable information, government data, project details, specifications, drawings or photographs concerning the Works to any third parties without the prior written consent of the Employer. If the Supplier/Service Provider is obligated to obtain NOCs / Permits /Permissions for the Project from Government agencies as per the terms and scope of the Contract, the Supplier/Service Provider shall submit only the specific data required for the purpose to the authorized team of the agency, through their prescribed channel / system, subject to information security requirements. The Supplier/Service Provider shall comply with all the applicable data protection laws and regulations.
- 8)Data Privacy, Security and Sharing:
- Third-party shall handle DEWA data in accordance with all applicable laws, regulations, and DEWA policies.
 - DEWA data shall not be shared outside UAE, in line with DESC ISR requirements.
 - DEWA's Non-Disclosure Agreement (NDA) and External Party Acknowledgment (EPA) shall be signed by the third-party and their sub-contractors who handle DEWA data prior to the contract commencement.
 - DEWA reserves the right to withhold data from third parties if deemed sensitive.
 - Access to data must be restricted to authorized, named third-party employees only and DEWA must be informed of any changes in employment status of those with access.
 - Third party shall not disclose, transfer or share any DEWA data with other third parties (government, semi government, private) without obtaining DEWA's authorized data owner written approval.
 - Upon the completion/ termination of the agreement the external party shall securely delete all DEWA's data in their custody/ control including the backup and provide written confirmation and evidence to DEWA upon the data deletion completion as per agreed data disposal process, this is to address risk of data remanence.

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9) Liquidated Damages for PO total value in excess of AED 50,000:

If the Contractor/Supplier delays or fails to deliver, fails to commence or perform the services, DEWA has the right to deduct an amount equal to 1.25% per day/week of the total PO fee for the services/supplies delayed, not performed or not delivered, subject to a cap of 10% of the total PO fee without recourse to any judicial proceedings, as compensation for the delay or failure to perform. If the deducted amount exceeds 10% of the total PO fee, without prejudice to any of DEWA's rights under the applicable law, DEWA shall be entitled to terminate the PO immediately without the need for any notice or judicial proceedings against the defaulting Supplier, and without the need to prove the damage.

10) Indemnity: The Supplier shall indemnify DEWA from and against all claims, damages, costs and liabilities brought by any third party against DEWA arising out of or in connection with any of acts or omissions of the Supplier/Contractor, or any failure to perform its obligations under this PO.

11) Dispute Resolution: Any dispute arising out of or in connection with this PO shall be settled through mutual good faith negotiation and understanding between the Parties: Failing amicable settlement, the dispute shall finally be referred to the courts having appropriate jurisdiction in the Emirate of Dubai.

12) Intellectual Property Rights: The Supplier/Contractor shall not use DEWA's intellectual property, including logos, trademarks, service marks, trade names, service names, and brand names, whether in a press release or otherwise, without obtaining DEWA's prior written consent. All intellectual property rights in the deliverables created or developed, under this PO, shall be solely owned by DEWA.

13) Assignment and Transfer: The Supplier/Contractor shall not assign this PO or any part thereof without the prior written consent of DEWA. Such consent shall not relieve the Contractor of any of its obligations or duties under this PO.

14) Force Majeure: If either party is affected by a Force Majeure event, it will promptly notify the other party of the nature and extent thereof. Neither party will be deemed to be in breach of this PO, by reason of any delay or non-performance, of any of its obligations hereunder, due to any Force Majeure event of which it has notified the other party. The time for performance of these obligations will be extended accordingly as may be fair and reasonable in the circumstances. Provided always that if the duration of such delay or impediment exceeds thirty (30) days, either party may give a fifteen (15) working days' notice to terminate a specific item or the PO in its entirety.

15) Certificate of Conformity for Green Materials and Services Specifications: The Bidder shall, wherever applicable, provide a Certificate of conformity issued by accredited body/ laboratory as proof of

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compliance with the applicable green materials, services and specifications.

16) Taking Over Certificate: TOC shall be issued only after full delivery or completion of the service or deliverables. TOC will be issued conditionally ("conditional TOC") with the reasonable guarantee/observation in case of any defects after delivery or completion of the PO.

SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP