

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2492300347
DATE : 23.06.2023
REQ No : 1172300345
REQ TITLE : EV CHARGER TESTING
DELIVERY LOCATION : 0050 - CENTR STORE(DIS)
CLOSING DATE : 04.07.2023
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1	7000000013		<p>PROFITEST H+E BASE 32; M525C; GOSSEN METRAWATT TYPE: PROFITEST H+E BASE 32 ITEM NO.: M525C BRAND: GOSSEN METRAWATT SH</p> <p>ORT DESCRIPTION: DIAGNOSTIC TESTER FOR AC-ELECTRIC CHARGING STATIONS FOR EXAMINING THE FUNCTIONAL PERFORMANCE OF CHARGING STATION</p> <p>S FOR ELECTRIC ADDITIONAL REQUIREMENTS: WARRANTY, CALIBRATION CERTIFICATE, TRAINING FOR THE DEVICE AND ALL NECESSARY ACCESSORIES FO</p> <p>R AC, CCS2 AND CHADEMO IF APPLICABLE. # DIAGNOSIS OF ELECTRIC CHARGING STATIONS FOR: O VEHICLE STATES O CABLE CONDITION O ERROR S</p> <p>TATES O PWM SIGNAL EVALUATION O PHASES AND PHASE SEQUENCE O BATTERY LEVEL # DEVICE MUST BE ABLE TO SIMULATE: O</p> <p>SHORT-CIRCUITING OF T</p> <p>HE DIODE IN THE VEHICLE#S CIRCUIT O</p> <p>SHORT-CIRCUIT BETWEEN CP AND PE O TESTING OF THE RCD BY TRIPPING AND MEASURING</p>	1	EA				

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			BREAKING TIME # C ONNECTION OPTION FOR A TEST CONSUMER VIA AN INTEGRATED SOCKET : CEE (400 V, MAX. 32 A) # COMPACT, BATTERY POWERED DEVICE WHICH IS T HUS SUITABLE FOR OUTDOOR USE # ILLUMINATED MULTIPLE DISPLAY WITH DOT MATRIX,240 X 128 PIXELS, DIAGONAL: 10.7 CM (4.2") # POWER SUPPL Y VIA TWO 9 V (RECHARGEABLE) BLOCK BATTERIES OR POWER PACK # INDICATION OF THE BATTERY CHARGING STATUS # USB DATA INTERFACE FOR FIRM WARE UPDATES # REQUIERED DIAGNOSTICS INFORMATION: O PHASE L1, L2, L3: ON/OFF O PHASE SEQUENCE: CW / CCW O RESULTANT CHARGING CURRENT (VIA EVALUATION OF THE DUTY CYCLE): A O PWM SIGNAL O FREQUENCY: HZ (SET = 1 KHZ) O DUTY CYCLE (WITH PWM): % O UPPER VOLTAGE: 3, 6, 9, 12 V O LOWER VOLTAGE: # 12 V # REQUIERED STATUS VISUALIZATION DISPLAYABLE VEHICLE STATUSES (CP) O NO VEHICLE CONNECTED O VEHICLE CONNECTED # MUST BE ABLE TO SIMULATE						

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			FOLLOWING CABLE TYPES (PP) O NO CABLE O 13 A CABLE O 20 A CABLE O 32 A CABLE O 63 A CABLE # MUS T BE ABLE TO SIMULATE FOLLOWING ERRORS O SHORT-CIRCUITED DIODE O CP-PE SHORT-CIRCUIT O RCD TRIPPED : I = 30 MA BETWEEN L1 AND PE # T HE DEVICE IS SWITCHED OFF AUTOMATICALLY IF NONE OF THE ROTARY SWITCHES IS ACTIVATED FOR A PERIOD OF 10 MINUTES. DISPLAY ILLUMINATION IS DEACTIVATED AUTOMATICALLY AFTER 30 # INPUT VOLTAGE 400 V (3-PHASE) FREQUENCY 50 HZ TEST CONSUMER POWER MAX. 2.9 KVA PROTECTION CLASS I NOMINAL VOLTAGE 400 V DC TEST VOLTAGE 500 V DC TEST VOLTAGE 3.5 KV AC MEASURING CATEGORY CAT III 300 V APPLICABLE REGULATIO NS AND STANDARDS IEC 61010-1/EN 61010-1/VDE 0411-1 : SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABO RATORY USE # GENERAL REQUIREMENTS IEC						

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			61851-1; DIN EN 61851-1: ELECTRIC VEHICLE CONDUCTIVE CHARGING SYSTEM# PART 1: GENERAL REQUIREMENTS DIN EN 61326-1;VDE 0843-20-1: ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE #EMC REQUIREMENTS # PART 1: GENERAL REQUIREMENTS EN 60529; VDE 0470-1: TEST INSTRUMENTS AND TEST PROCEDURES DEGREES OF PROTECTION PROVIDED.						
2	7000000013		PROFITEST H+E PACKAGE AC/DC;M525M, M506C;GOSSEN ME TYPE: PROFITEST H+E PACKAGE AC/DC PROFITEST PRIME A C ITEM NO.: M525M, M506C BRAND: GOSSEN METRAWATT SHORT DESCRIPTION: ELECTRICAL VEHICLE DIAGNOSTICS TESTER FOR DC CHARGING STATIONS FOR CCS, CHADEMO AND AC KIT WITH UNIVERSAL PROTECTION DEVICES TESTER ACCORDING TO IEC 60364-6, EN 50110-1, IEC 60204 -1, IEC 61439-1 DIN EN 62446-1 AND DIN EN 61851-1/-21/-22 ADDITIONAL REQUIREMENTS: WARRANTY,	1	EA				

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			CALIBRATION CERTIFICATE, TRAINING FOR THE DEVICE, ALL NECESSARY ACCESSORIES FOR AC, CCS2 AND CHADEMO IF APPLICABLE AND LAPTOP FOR INSTRUMENTS CONTROL, PROCESSOR I7 RAM 16GB OR ABOVE WINDOWS 10 ETHERNET PLUG SSD STORAGE 512GB. DIAGNOSTIC TESTER FOR SIMULATING THE CHARGING PROCESS WITH DC SOURCE AND LOAD. INSTRUMENTS MUST BE EQUIPPED WITH INTEGRATED MEASURING INPUTS FOR CONNECTING AN ELECTRICAL SAFETY TESTER IN ORDER TO CHECK THE EFFECTIVENESS OF PROTECTIVE MEASURES AT DC-CHARGING STATIONS. TO BE USED TO TEST ELECTRIC CHARGING STATIONS WITH DC-CCS CONNECTIONS , CHADEMO CONNECTIONS AND AC CONNECTIONS FOR CORRECT FUNCTIONING. IN COMBINATION WITH AN ELECTRICAL SAFETY TESTER, MEASUREMENTS CAN BE PERFORMED IN ORDER TO TEST THE EFFECTIVENESS OF PROTECTIVE MEASURES IN						

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			ACCORDANCE WITH IEC 60364-6/DIN VDE 0100-600, EN 50110-1/D IN VDE 0105-100 AND IEC 60364-4-41/DIN VDE 0100-410. WITH A UNIVERSAL PROTECTION DEVICES TESTER ACCORDING TO IEC 60364-6, EN 50110-1 , IEC 60204-1, IEC 61439-1 (PT PRIME AC), DIN EN 62446-1 AND DIN EN 61851-1 /-21/-22 FOR TESTING THE EFFECTIVENESS OF PROTECTION DEVICES IN ELECTRICAL INSTALLATIONS INDUSTRIAL SYSTEMS UP TO 690 V AC AND 840 V DC, E-MOBILITY FOR AC/DC-SYSTEMS, IT NETWORKS UP TO 690 V AC/DC, MEASUREMENT OF INTERNAL SYSTEM RESISTANCE AND FAULT LOOP RESISTANCE WITH HIGH TEST CURRENT UP TO 690 V AC / 800 V DC WITHO UT TRIPPING RCD TYPES A AND B 1- AANALYZER AND FUNCTIONAL TESTER # FOLLOWING MEASUREMENTS MUST BE POSSIBLE IN COMBINATION WITH THE FUNCTIONAL COMMUNICATION TESTER AND ELECTRICAL SAFETY TESTER: O CCS-SYSTEM: §						

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			MEASUREMENT OF LOW-RESISTANCE PROTECTIVE CONDUCTOR § MEASUREMENT OF DC LOOP RESISTANCE (INTERNAL RESISTANCE OR ZLOOP) § TESTING OF THE IMD#S TRIGGERING THRESHOLD, SHUTDOWN IN THE EVENT THAT SPECIFIED LIMIT VALUES ARE EXCEEDED § INSULATION MEASUREMENT BETWEEN TWO DC CHARGING STATIONS § TOUCH VOLTAGE MEASUREMENT § RES IDUAL VOLTAGE MEASUREMENT O CHADEMO SYSTEM § INSULATION MEASUREMENT BETWEEN TWO DC CHARGING STATIONS § TOUCH VOLTAGE MEASUREMENT § R ESIDUAL VOLTAGE MEASUREMENT O REPORTING § TEST SEQUENCE FOR TEST DC-CHARGING STATIONS, FOR FUNCTIONAL/COMMUNICATION (BASED ON DC-CCS ACC. DIN SPEC 70121 OR ISO 15118-1, CHADEMO, AC- IEC61851-1) & ELECTRICAL SAFETY TESTS (BASED ON IEC 60364-6, EN 50110-1, IEC 62955 AND IEC 62752). § THAT SEQUENCE SHOULD BE CONTROLLED FROM ELECTRICAL SAFETY TESTER,						

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			<p>WHICH WOULD SAVE ALL MEASUREMENTS, NOTES AND COMMENTS FOR LATER REPORTING. § REPORT MUST INCLUDE THE RESULTS COMING FROM FUNCTIONAL/COMMUNICATION TEST AND ELECTRICAL SAFETY TEST</p> <p>DATA INTERFACE § CONNECTIONS USB-B PORT MEMORY MICRO SD CARD COMMUNICATION DISPLAY PANEL AND CSV REPORT STORED IN THE INSTRUMENT</p> <p>PRODUCT STANDARDS § EN 61010-1 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE # GENERAL REQUIREMENTS § EN 60529 TEST INSTRUMENTS AND TEST PROCEDURES DEGREES OF PROTECTION PROVIDED BY ENCLOSURES (IP CODE) § EN 61326-1 ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE # EMC REQUIREMENTS # PART 1: GENERAL REQUIREMENTS § IEC 61000-4-2 ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-2:</p>						

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			TESTING AND MEASUREMENT TECHNIQUES # ELECTROSTATIC DISCHARGE IMMUNITY TEST § EN 61000-4-3 EL ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-3: TESTING AND MEASUREMENT TECHNIQUES # RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST § EN 61000-4-4 ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-4: ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST § EN 61000-4-5 ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-5: TESTING AND MEASUREMENT TECHNIQUES # SURGE IMMUNITY TEST § EN 61000-4-6 ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-6: TESTING AND MEASUREMENT TECHNIQUES # IMMUNITY TO CONDUCTED DISTURBANCES, INDUCED BY RADIO-FREQUENCY FIELDS § IEC 61000-4-11 ELECTROMAGNETIC COMPATIBILITY (EMC) PART 4-11: TESTING AND MEASUREMENT TECHNIQUES # VOLTAGE DIPS, SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS IMMUNITY						

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			<p>TESTS O TEST/ANALYSIS STANDARDS § CHADEMO VERSIONS 0.9.1, 1.0.0., 1.0.1, 1.1 § DC-CCS DIN S PEC 70121 OR ISO 15118-1 § AC EN 61851-1 PROTECTION: IP 30 OPEN LID IP 67 CLOSED LID OPERATING TEMPERATURE: +5 °C +40 °C STORI NG TEMPERATURE: -20 °C +60 °C ELECTRICAL SAFETY: CAT III / 600 V; CAT IV / 300 V 2- PROTECTION TESTER # LOW OHMIC AND CONTIN UITY MEASUREMENT ACC. TO EN 61557-1 + 4 UP TO 200 MA # ALTERNATING POLARITY, SELECTABLE POLARITY, SELECTABLE LIMITS; 25 A # INSULATI ON OF CABLES APPLIANCES ACC. TO EN 61557 PART 1 + 2 # MEASUREMENT OF INTERNAL SYSTEM RESISTANCE AND FAULT LOOP RESISTANCE WITH HIGH TEST CURRENT UP TO 690 V AC / 800 V DC WITHOUT TRIPPING RCD TYPES A AND B # MEASURING VOLTAGE UP TO 1000 V ADJUSTABLE, INCREASIN G VOLTAGE, SELECTABLE LIMITS # FAULT-LOOP-RESISTANCE L-PE MEASUREMENT ACC. TO EN 61557 PART 1+3 WITH SHORT CIRCUIT CURRENT AND RECO</p>						

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			MMEND THE OVERCURRENT PROTETION DEVICE # LINE IMPEDANCE MEASUREMENT EQUAL TO THE FAULT-LOOP MEASUREMENT WITH PREVIOUS INPUT OF THE V ALID FUSE IT'S SUITABLE FOR VOLTAGE DROP DETERMINATION # EFFECTIVNESS TESTS OF ALL TYPES OF RCCB'S (TYPE A, AC, A-EV, F-EV, B, B+, B -MI, F-AUDIO, G/R, SRCD, PRCD S/K) ACC. TO EN 61557-1+6 # MEASUREMENT OF CONTACT VOLTAGE WITHOUT TRIPPING THE RCCB # TRIPPING TEST W ITH NOMINAL RESIDUAL CURRENT, TRIP TIME MEASUREMENT # TESTING OF EQUIPMENT AND RCCBS WITH RISING RESIDUAL CURRENT INCLUDING INDICATI ON OF TRIPPING CURRENT AND CONTACT VOLTAGE LEAKAGE AND DIFFERENTIAL CURRENT MEASUREMENT WITH A CLAMP-ON PROBE # TESTING OF IMD (690 V AC/DC), RCM AND RDC-DD/RCMB # PHASE SEQUENCE DETERMINATION AND INDICATION # MEASUREMENT OF TEMPERATURE AND HUMIDITY # TESTING FOR						

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			DIELECTRIC STRENGTH 2,5 KV AC, 500 VA (PROFITEST PRIME AC) # PULSE CONTROL MODE FOR QUICK TROUBLESHOOTING # INTERCHANGEABLE TEST TIP S ON THE MEASUREMENT CABLES # EASY OPERATION WITH ROTARY SWITCH # BLUETOOTH INTERFACE FOR CONNECTING A KEY BOARD # PUSH-PRINT FUNCTI ON - TRANSMISSION OF MEASURED VALUE AFTER MEASUREMENT # USB-SLAVE INTERFACE FOR DATATRANSFER TO A NOTEBOOK, SURFACE, SMARTPHONE # DA TABASE SOFTWARE FOR COMPLETE MANAGEMENT AND DOCUMENTATION OF TESTING PROTECTION: IP 40 OPEN LID IP 67 CLOSED LID OPERATING TEMP ERATURE: +5 °C +40 °C STORING TEMPERATURE: -20 °C +60 °C ELECTRICAL SAFETY: CAT III / 600 V; CAT IV / 300 V						

TOTAL AMOUNT IN WORDS:

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SPECIAL NOTES / INSTRUCTIONS:

EV CHARGER TESTING INSTRUMENTS.

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

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STANDARD TERMS & CONDITIONS

- 1) Prices should be 'DDP' delivery duty paid at DEWA stores.
- 2) Quotation to be submitted only in local currency U.A.E Dirhams
- 3) DEWA Standard payment terms is '30 days credit' from the date of acceptance of material
- 4) 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.
- 5) The offered product and/ or services in the Quotation, shall be conforming and in accordance with DEWA Energy Management Policy & EnMS Manual.

SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP