# REQUEST FOR QUOTATION (RFQ)

Company: Derekson Limited
RFQ Reference No.: RFQ/SE/0001
Date: 15th September 2025

**SUBJECT: Request for Quotation for the Supply of SOLAR EQUIPMENT for a SOLAR WORKSHOP.**

| LOT 1: CLASSROOM SETUP | | | | | | |
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| **s/n** | **Type** | **Description of Equipment** | **Unit** | **Delivery Location** | **Unit Price (NGN)** | **Total Price (NGN)** |
| **1.** | Two-person table | • High pressure laminate top<br>• Heavy duty unitized tubular steel frame<br>• Powder coat upper frame<br>• Chrome lower legs<br>• Dimensions 180x80x75 cm | 16 | Kainji Regional Training Center (RTC) | | |
| 2. | Workshop chairs: | • Recommended Grade Level: adult<br>• Seat Material: Polypropylene soft plastic or laminated wood<br>• Frame Material: 17-gauge steel<br>• Frame Finish: Chrome<br>• Seat Height: 18"<br>• Overall Width: 19 1/4"<br>• Overall Depth: 19 1/4"<br>• Overall Height: 31" | 16 | Kainji Regional Training Center (RTC) | | |
| 3. | Teacher & Instructor chair adjustable in height | • Adjustable tilt tension<br>• Built-in lumbar support | 4 | Kainji Regional Training Center (RTC) | | |

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| | | • Pressure-sensitive brake mechanism that keeps the chair in place when stand up<br>• Tested for: 242 lb 8 oz<br>• Depth: 25 5/8 "<br>• Max. height: 48 3/8 "<br>• Min. and Max. seat height: 17 3/4 " and 22 7/8 " | | | | |
| 4. | Smart board + ultra-short throw projector: | • Size 78 1/2" w × 53 3/8" h × 6 1/2" d<br>• Weight 60 lb<br>• touch points<br>• OS compatibility with Windows ™ or Mac operating system<br>• Resolution 4000 × 4000 px | 1 | Kainji Regional Training Center (RTC) | | |
| **LOT 2: SOLAR EQUIPMENT** | | | | | | |
| **s/n** | **Type** | **Description of Equipment** | **Unit** | **Delivery Location** | **Unit Price (NGN)** | **Total Price (NGN)** |
| **5.** | DC Box | • DC Breaker: miniature circuit breaker - iC60H - 2 poles - 40 A - B curve<br>• Surge Protector: iPRD-DC 40r 600PV modular surge arrester - 2P - 840VDC - with remote transfer<br>• Enclosure: mini Kaedra - for modular device - 1 openings - 8 modules - 1 terminal blocks. | 5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 6. | MPPT Charger | • MPPT Charger: Conext MPPT-60A/150V, Ref. 865-1030-1<br>• Protection: Breaker 80A, 125VDC Master Pack (12 per pack), Ref: 865-1070 | 5<br>5 | Kainji Regional Training Center (RTC) | | |

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| | | • Enclosure: SW Universal DC Breaker Panel<br>• Varied solar charge controllers and load controllers/ monitors:<br>• 12/24v, 20-30A (PWM)<br>• 12/24v, 20-30A (MPPT)<br>• 12/24/48v, 60-80A (MPPT)<br>• 12/24/48v, 60-80A (PWM) | 5<br><br>5<br><br>5 | | | |
| 7. | Fuses | • 20A (DC fuse) - to connect battery heads<br>• 50A (DC fuse)- to connect battery heads<br>• Fuse holders (Polypropylene) | 5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 8. | Connectors | • 220v, 20A - for connecting cables<br>• 220v, 60A - for connecting cables | 5<br>5 | Kainji Regional Training Center (RTC) | | |
| 9. | Breakers | • 63A MCB 2P 10KA - circuit breaker<br>• 32A MCB 2P 10KA - circuit breaker<br>• 100A DC 2P - circuit breaker<br>• 32A DC 2P - circuit breaker<br>• Irradiance Meter<br>• Compass<br>• Inclinometer | 5<br>5<br>5<br>5<br>5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |

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| | | • Infra-Red Thermometer | 5 | | | |
| 10. | Inverter and accessories | • Inverter: Conext CSW2524 230V, Ref: 865-2524-61<br><br>• 900VA True Sine Wave<br>• 1500VA True Sine Wave<br>• 2000VA True Sine Wave<br>• 1000VA<br>• 400VA<br><br>• Protection: Battery Fuse Disconnect Box with 160A DC Fuses, Ref: 865-1030-01,<br><br>• Accessories: Battery Monitor, Ref: 865-1080-01<br><br>• SW Universal DC Breaker Panel, Ref: 865-1016<br><br>• SW AC Breaker Panel 230V, Ref: 865-1017-61<br><br>• System Control Panel (SCP), Ref: 865-1050-01<br><br>• Automatic Generator Start (AGS), for automatically controlling the generator based on battery conditions, Ref: 865-1060-01 | 5<br><br>5<br>5<br>5<br>5<br>5<br><br>5<br><br>5<br><br>5<br><br>5<br><br>5<br><br>5 | Kainji Regional Training Center (RTC) | | |

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| | | • Combox for remote monitoring and configuration. Ref: 865-1058 | 5 | | | |
| 11. | AC Input and Output Box: | • AC Breaker Input, iC60H - miniature circuit breaker - 2P - 32A - C curve, Ref: A9F84232<br>• AC Breaker Output: iC60H - miniature circuit breaker - 2P - 16A - C curve, Ref: A9F84216<br>• Surge Protector: IC60H - miniature circuit breaker - 2P - 20A - C curve, Ref: A9F84220<br>• Surge Protector: IPRD20r modular surge arrester - 1 pole - 340V - with remote transfer, Ref: A9L20501<br>• Enclosure: Kaedra - for modular device - 1 x 18 modules - 1+1 terminal blocks, Ref: 13963 | 5<br>5<br>5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 12. | PV Panel | • PV Panel: Power rating 200W, Voc = 36.6V, Isc =7.52A, Vmp = 29.9V, Imp = 6.73A, size 1640mmx992mmx50mm, Monocrystalline.<br>• Max. power = 135W, Vmp = 17.7V, Imp = 7.63A, Voc = 22.1V, Isc = 8.37A<br>• PV connecter: PV Connector for parallel connections with fuse protection | 5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 13. | Medium PV Panel | • 100w-180w, Polycrystalline, 12v or 24v | 5 | Kainji Regional Training Center (RTC) | | |

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| 14. | Batteries | • Battery, 12Volts, Gel maintenance free, 200A AT 25oC<br>• 12v 100amp hours (Lead Acid, GEL or AGM)<br>• 12v 150amp hours (Lead Acid, Flooded)<br>• 12v 7amp hours (Lead) | 5<br>5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 15. | Solar Panels Mounting Kiosk | • Kiosk of 3 meters by 4 meters and height of 5 meters using block and roofed | 5 | Kainji Regional Training Center (RTC) | | |
| 16. | Cables | • Stranded 2.5mm2 wire (black)<br>• Stranded 2.5mm2 wire (red)<br>• 15m length of 16mm2 battery bank interconnection wire (red)<br>• 15m length of 16mm2 battery bank interconnection wire (black)<br>• Flexible 2.5mm2 x 3 wire | 5<br>5<br>5<br>5<br>5 | Kainji Regional Training Center (RTC) | | |
| 17. | Complete electrician's toolbox | • Insulated Electricians Tool Set w/HD Storage Box (contents: 24 Pcs 1/2 Inch Drive TOOLS Socket WRENCH Set, Lineman's Pliers, Side Cutters, Cable Cutters, Crimping Pliers, Needle Nose Pliers, Wire Strippers, Hex Keys, | 5 | Kainji Regional Training Center (RTC) | | |

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| | | Screwdrivers (Set of 5), Wrench Set, Crescent Wrench, Hack Saw, Tape Measure,<br>Hammer, Markers, Nut Drivers, Aviation Pliers / Clamps<br>Razor knife<br>Insulation tape (black, red, blue, yellow, green) | | | | |
| 18. | Cordless power drill with bits,12V Cordless Impact Drill Set, 89-Piece | • GSR12V-140FCB22 Cordless Electric Screwdriver Kit - 12V 5-In-1 or Equiv. | 5 | Kainji Regional Training Center (RTC) | | |
| 19. | 3m step ladder | • Fibre or Aluminium, Foldable Aluminium Ladder - 3 Step | 5 | Kainji Regional Training Center (RTC) | | |
| 20. | 6m extension ladder | • Fibre, 4x7 Foldable Multipurpose Fibre Ladder With Twin Stabilizers | 5 | Kainji Regional Training Center (RTC) | | |
| 21. | Body harness | • 3 buckle type (tighs and wasteline), meet EN361:2002 & EN358:1999 standard | 5 | Kainji Regional Training Center (RTC) | | |
| 22. | Safety goggles | • Safety Chemical splash goggles | 5 | Kainji Regional Training Center (RTC) | | |
| 23. | Hard Hats/ helmets | • Electrically insulating helmets meeting EN 397 440 V AC and EN 50365 1000 V AC, Plastic Thermoset, with chin holder | 5 | Kainji Regional Training Center (RTC) | | |
| 24. | Insulated electrician hand gloves | • Electrical Insulation Rubber Full Hand Gloves, Rubber Coated Hand Gloves | 5 | Kainji Regional Training Center (RTC) | | |

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| 25. | Insulated safety boots<br>(sizes UK 7-12) | • Full-grain leather ankle shoe, waterproof, antistatic, anti-oil i.e. slip and wear resistant, steel toe-cap, breathable internal | 5 | Kainji Regional Training Center (RTC) | | |
| 26. | Solar panel mounting Aluminium Rail complete kit<br>(4 panel set) | • Aluminium mounting with end clamps, middle clamp, slice rail (4 panel set) | 5 | Kainji Regional Training Center (RTC) | | |
| 27. | First aid kit<br>(Medical) | • Large, Basic medical emergency and administration kit (First-aid Box with Chrome-plated Plastic Handle and Aluminum Panel, Aluminum panel with embossed stripe pattern, MDF board, and Aluminum frame with metal corners, metal lock, chrome-plated plastic handle, and strap. BS8599-1:2019 complaint. All content HSE approved. | 5 | Kainji Regional Training Center (RTC) | | |
| 28. | Class E fire extinguisher | • C02 (3kg-5kg), body material CR Steel, fire rating A 233B, C | 5 | Kainji Regional Training Center (RTC) | | |
| 29. | Screws for wood/plastic/metal sheet (packets) | • German screws (2 pack of 100 pieces, one 20mm length, one 50mm) | 5 | Kainji Regional Training Center (RTC) | | |
| 30. | Nuts and bolts | 1 packet for each size (ONLY NEED M6 in:<br>• 25mm,<br>• 75mm<br>• 100mm lengths,<br><br>50 total pieces of each length: nut, bolt, and 2 washers) | 50<br>50<br>50 | Kainji Regional Training Center (RTC) | | |

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| 31. | Combiner box | • 5way single pole, Weatherproof enclosure to combine 5 PV strings. | 5 | Kainji Regional Training Center (RTC) | | |
| 32. | Switches + mounting box | • 2 Gang switch with metal clad electrical switch, 15 Amps with pattress | 5 | Kainji Regional Training Center (RTC) | | |
| 33. | Sockets + mounting box | • Electrical socket 13A 2-Gang DP Switched Plug Socket Metal-Clad | 5 | Kainji Regional Training Center (RTC) | | |
| 34. | Junction boxes | • 4-way connection point (for cables) | 5 | Kainji Regional Training Center (RTC) | | |
| 35. | Conduit PVC Trunking pipes | • Dignity 50mm x 75mm, 50mm x 50mm, 25mm x 50mm | 5 | Kainji Regional Training Center (RTC) | | |
| 36. | LED Bulbs | • 5watts | 5 | Kainji Regional Training Center (RTC) | | |
| 37. | Distribution board | • 22way 100A MCB for surface (3phase) mounting | 5 | Kainji Regional Training Center (RTC) | | |
| 38. | Multimeter | • AC/DC parameter reading | 5 | Kainji Regional Training Center (RTC) | | |
| 39. | Clamp Meter | • DC current reading 0-1000A | 5 | Kainji Regional Training Center (RTC) | | |
| 40. | Spirit level | • Liquid in glass with bevel indicator, Industrial Spirit Level 100cm 50cm | 5 | Kainji Regional Training Center (RTC) | | |
| 41. | Resistive loads for experiments/demos | • Ring boiler or small table top fan | 5 | Kainji Regional Training Center (RTC) | | |
| 42. | Crimping tool for cable lug with dies for sizes 2.5mm2 - 16mm2 | • Sizes 2.5mm2 - 16mm2 wire size cable crimper | 5 | Kainji Regional Training Center (RTC) | | |
| 43. | **Logistics** | Lot | Lot | Kainji Regional Training Center (RTC) | Lot | |
| 44. | **Labour** | Lot | Lot | Lot | Lot | |

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| 45. | **SUM TOTAL** | NGN0.00 |
| 46. | Value Added Tax VAT (7.5%) | NGN0.00 |
| 47. | **GRAND TOTAL** | NGN0.00 |

## 6. Contact Information

For inquiries or clarifications, please contact:

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## Authorized By:

Procurement Team.

15th September. 2025