

## Electrical & Electronics Technology

| S # | Items /Equipment/Machinery | Specification  | GCT Swabi | GCT Kohat | GCT DI Khan | GCT Bannu | Total Quantity | Unit Price (Inclusive All Taxes & Transportation) | Total Price (Inclusive All Taxes & Transportation) |
|-----|----------------------------|--|-----------|-----------|-------------|-----------|----------------|---|--|
| 1.  | 24 lines intercom set      | Standard one   |           | 1         |             |           | 1              |   |  |
| 2.  | 4 Fire Buckets With Stand  | Type Four Bucket Stand Material MS Square tube and 3Ft x 2Ft Galvanized sheet Size Height 3.5 FT ,3FT wide Color RedWeight7 Kg   |           |           |             | 2         | 2              |   |  |
| 3.  | Adjustable Ladder          | Size 20 ft Reach Height 19 ft Folded Length 3.05Max Working Length 17 ft Extended Length 5.18Style Multi Section Load Capacity 102 kg Material Fiberglass Rung Type D-Rung Foot Material Slip-resistant pad Number of Sections 2Base Width 17-3/4 in outside shoes |           |           |             | 2         | 2              |   |  |
| 4.  | Adjustable Screw Wrench    | 8"   |           |           | 6           |           | 6              |   |  |
| 5.  | Adjustable Screw Wrench    | 6"   |           |           | 6           |           | 6              |   |  |
| 6.  | Adjustable Screw Wrench    | 10"  |           |           | 6           |           | 6              |   |  |
| 7.  | Aluminum Heavy duty Tripod | CBCO   |           |           | 10          |           | 10             |   |  |
| 8.  | Axial Piston Pump          | Transparent working model  |           |           | 2           |           | 2              |   |  |
| 9.  | Bearing Puller             | ½- 2-5 inner dia   |           |           | 2           |           | 2              |   |  |
| 10. | Bench Vise                 | 6" jaws width, with steel body   |           |           | 10          |           | 10             |   |  |
| 11. | Box panna set inch size    | ¼' to 2"   | 2         |           |             |           | 2              |   |  |

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|-----|---|--|----|---|---|--|----|--|--|
| 12. | Box panna set mm size   | 4mm to 32mm  | 2  |   |   |  | 2  |  |  |
| 13. | Cable (Different kind of cables used in industry & Communication) | Demonstrational Type showing its all major parts / portions  |    | 3 |   |  | 3  |  |  |
| 14. | Cable Insulation Scrapper   | can scrap / strip insulation from different kind of cables and wires                                   |    | 3 |   |  | 3  |  |  |
| 15. | cable tie   | 4, 6, 9 , 12 inch (Packets)  |    | 2 |   |  | 2  |  |  |
| 16. | Chisel Plough 09 chisel/tiller                                    | No of tines 09 overall length 813mm overall height 1.02 m weight 208 kg frame round steel torsion tube |    |   | 1 |  | 1  |  |  |
| 17. | CO2 Molding Apparatus   | Medium size  |    |   | 1 |  | 1  |  |  |
| 18. | Combination Plier   | 8"   |    |   | 4 |  | 4  |  |  |
| 19. | Compacting factor testing appat, with accessories                 | Complete set   |    |   | 1 |  | 1  |  |  |
| 20. | Concrete Beam Mould   | 24"x6"   |    |   | 5 |  | 5  |  |  |
| 21. | Cube Moulds   | 6"x6"  |    |   | 4 |  | 4  |  |  |
| 22. | Cutter plier  | 6 inch   | 36 |   |   |  | 36 |  |  |
| 23. | Cylinder Mould  | 6" dia   |    |   | 4 |  | 4  |  |  |
| 24. | Density bottle  | (glass Pyrex 25ml with capacity  |    |   | 3 |  | 3  |  |  |
| 25. | Designing Jig Saw   | Cutting Capacity : 1 ¼"  |    |   | 4 |  | 4  |  |  |
| 26. | Earth switch  | Demonstration type used in Grids   |    | 2 |   |  | 2  |  |  |
| 27. | EFI Engine Model  | 4e 1300 cc efi complete engine+ wiring & gear  |    |   | 1 |  | 1  |  |  |

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|     |  | box   |    |  |   |   |    |  |
| 28. | Electric Drill Machine heavy duty with hammering | Rated input power 790 W Impact energy 2,7 J Impact rate at rated speed 0 - 4200 bpm Rated speed 0 - 930 rpm Weight 2.9 kg Tool dimensions (length) 397 mm Tool dimensions (height) 210 mm Drilling range Drilling dia. concrete, hammer drill bits 24 mm Max. drilling diameter masonry, core cutters 68 mm Max. drilling diameter in metal 13 mm Max. drilling diameter in wood 30 mm Rotary Hammer Drill Chuck Size 24mm, 600 W , |    |  |   | 2 | 2  |  |
| 29. | Electric Iron                                    | Automatic   | 12 |  |   |   | 12 |  |
| 30. | Electric motor                                   | single phase 230 V 50 cycle 200W different types<br>induction motor – split phase,<br>induction motor – shaded pole,<br>induction motor – reluctance start type<br>Synchronous motor – reluctance<br>Synchronous motor – Hysteresis<br>Commentator motor – Repulsion<br>Commentator motor – Repulsion induction<br>Commentator motor – AC Series<br>Commentator motor – Universal<br>One motor each                                 | 9  |  |   |   | 9  |  |
| 31. | Electric motor                                   | three phase 1HP<br>Induction motor- squirrel cage<br>Induction motor- Wound<br>Synchronous motor<br>One motor each  | 3  |  |   |   | 3  |  |
| 32. | Electrician plier                                | 8 inch  | 36 |  |   |   | 36 |  |
| 33. | Electronic balance                               | 1000g capacity .1gm   |    |  | 2 |   | 2  |  |
| 34. | Electric oven                                    | 220V  |    |  | 1 |   | 1  |  |

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| 35. | Emergency Switch  | Normal State Configuration NO/NC Cut out<br>Diameter 22mmSupply Current 6 (ac) A, 550<br>(dc) mA Pole and Throw Configuration DPSTIP<br>Rating IP66, IP67, IP69, IP69KSupply Voltage<br>600 V ac/dc Head Style Mushroom Illuminated<br>No Range Harmony Head Diameter<br>40mmColour Red Width 43mmDepth<br>43mmPush Button Material Plastic    |  |   |   | 5  | 5  |  |
| 36. | Fire blanket  | Fiberglass Fire Blanket, 2x2m<br>(L(47.2x70.9 Inches))   |  |   |   | 5  | 5  |  |
| 37. | Fire extinguisher   | Carbon dioxide type, capacity 4.5 kg filled with<br>Co2,control discharge mechanism, Fitted with<br>Hose and Horn applicable ,Co2 Cylinder   |  |   |   | 10 | 10 |  |
| 38. | First Aid Kits used<br>against electric shock                         | containing all kind of necessary materials &<br>accessories  |  | 3 |   |    | 3  |  |
| 39. | Float switch (complete)   | containing all kind of accessories   |  | 2 |   |    | 2  |  |
| 40. | Fuse, cartridge<br>fuse/HRC, knife blade<br>type and liquid type fuse | Demonstrational & Functional Model Type  |  | 3 |   |    | 3  |  |
| 41. | Gear Pump   | Transparent working model  |  |   | 2 |    | 2  |  |
| 42. | Scanner   | Flatbed Scanner Optical Resolution:<br>Flatbed: 1200 dpi<br>ADF: 600 dpi<br>Hardware Resolution:<br>Flatbed: 1200 x 1200 dpi<br>ADF: 600 dpi<br>Maximum Scan Area:<br>Flatbed: 8.5" x 11.7"<br>ADF: 8.5" x 14"<br>Light Source:3-color LED technology<br>Scanning Speed:25 ppm simplex, 10 ipm<br>duplex (300 dpi, Black-and-White, Grayscale, |  |   | 1 |    | 1  |  |

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|     |                   |  |   |   |  |    |    |  |
|-----|-------------------|--|---|---|--|----|----|--|
|     |                   | Color)<br>Automatic Document Feeder:<br>Capacity: 50 sheets<br>Document Sizes:<br>Max.: 8.5" x 11.7" duplex/simplex, 8.5" x 14" simplex<br>Min.:3.5" x 6.7" duplex, 3.5" x 5" simplex<br>Daily Duty Cycle: 1,500 sheets<br>Paper Weight:50 to 120 g/m2 |   |   |  |    |    |  |
| 43. | Hysteresis motor  | standard, Demonstration & Trainer type can perform no. of practical's to the students according the DAE curricula in Instruments Subject   |   | 2 |  |    | 2  |  |
| 44. | Insulated gloves  | Natural latex gloves, AZM classification:-<br>Resistance to acid: A.- Resistance to ozone: Z.-<br>High mechanical strength: M. • Length: 360 mm. • Supplied in anti-UV opaque bag.Weight: 150 g, (20,23,25)cm  |   |   |  | 10 | 10 |  |
| 45. | Insulated mats    | Rubber mat for insulation by cladding grounds. • Thickness: 3.2 mm. • Hardness: 60 DIDC. • Dimensions: - BC.20VSE: 1 x 0,6 m.- BC.21VSE: 1 x 1 m.  |   |   |  | 20 | 20 |  |
| 46. | Insulators        | (Different Types) used in Low, High Transmission Lines Educational Models  |   | 2 |  |    | 2  |  |
| 47. | Isolators         | (Different Types) used in Low, High Transmission Lines Educational Models  |   | 1 |  |    | 1  |  |
| 48. | L.N key inch size | 1/8 inch to 1/2"   | 2 |   |  |    | 2  |  |
| 49. | LED               | Red, Green, Yellow, White, rgb   |   |   |  | 1  | 1  |  |
| 50. | LED Display       | (Common Anode, Cathode)  |   |   |  | 1  | 1  |  |
| 51. | Allen key mm size | 1mm to 15mm  | 2 |   |  |    | 2  |  |

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|-----|---------------------------------------|---|----|---|---|---|----|--|
| 52. | Logic Analyzers                       | Can analyze different kind of digital logic operation and their timings etc.                              |    |   |   |   | 2  |  |
| 53. | Long nose plier                       | 6 inch  | 36 |   |   |   | 36 |  |
| 54. | Magnet Alnico                         | Bar type  |    |   | 4 |   | 4  |  |
| 55. | Magnet Alnico                         | U Shape 3"  |    |   | 4 |   | 4  |  |
| 56. | MIG welding Machine                   | Wire feeder size : (L x W x H) 460 x 200 x 280 mm   |    |   | 1 |   | 1  |  |
| 57. | Morse Telegraph System                | with Morse key, Sounder etc.  |    | 1 |   |   | 1  |  |
| 58. | Motor winding Machine                 | (Local) Manual  |    |   | 1 |   | 1  |  |
| 59. | Hammer                                | ½ lb to 2 lb  | 12 |   |   |   | 12 |  |
| 60. | Optical Fiber Cable (Different Types) | Demonstrational Type showing its all major parts / portions   |    | 3 |   |   | 3  |  |
| 61. | Pedestal Grinder                      | Adjustable eye shield   |    |   | 1 |   | 1  |  |
| 62. | Plastic Limit test set                | Complete set  |    |   | 1 |   | 1  |  |
| 63. | Plier 8 inch (Diamond)                | Taiwan or China   | 24 |   |   |   | 24 |  |
| 64. | Plier set                             | Locking multi grip pliers 8"<br>Diagonal cutters 8"<br>Half-round nose pliers 8"<br>Combination pliers 8" |    |   |   | 5 | 5  |  |
| 65. | Preheating Furnace (Electric)         | Working Temperature: up to 1600 °C,   |    |   | 1 |   | 1  |  |
| 66. | Prism Target Set                      | Single Prism & Single Prism holder with plate   |    |   | 1 |   | 1  |  |

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|-----|---|--|---|---|---|----|----|--|
| 67. | Push Buttons<br>(ON/OFF)<br>Different colours | Rated insulation voltage 600 V Rated carry current 10 A, Mechanical 60 operations/minute max. Electrical 30 operations/minute max. Weight Approx. 75 g (for 1NC/1NO)   |   |   |   | 20 | 20 |  |
| 68. | Reactor (different types)                     | (Dry, oil immersed etc.) Demonstration and Functional model type   |   | 2 |   |    | 2  |  |
| 69. | Rheostat Air core                             | 200 ohm 2.5-3A   |   |   | 1 |    | 1  |  |
| 70. | Rheostat Air core                             | 100 ohm 2.5-3A   |   |   | 1 |    | 1  |  |
| 71. | Rheostat Air core                             | 25 ohm 2.5-3A  |   |   | 1 |    | 1  |  |
| 72. | Ring spanner set inch size                    | ¼" to 11"  | 2 |   |   |    | 2  |  |
| 73. | Ring spanner set mm size                      | 6mm to 24mm  | 3 |   |   |    | 3  |  |
| 74. | Saddle  | ¾", 1"   |   |   |   | 10 | 10 |  |
| 75. | Safety boots                                  | Composite protection tip compliant with EN20345 (200 joules)• Anti-penetration non-metallic sole. • Water tight rod. • Lining in breathing mesh. • PU/PU double density flexible sole. • 100 % nonmetallic design. • Padded tab and collar. • Anti-static and heat resistant sole. • Anti-slip sole compliant to the SRA standard. • Oil resistant sole. • Shock absorbing heel. • Sizes 39 to 45. |   |   |   | 10 | 10 |  |
| 76. | Safety Goggles                                | Protection against projections of any nature. • Indispensable for grinding, chiseling, etc. • "Shell" shape able to contain glasses. Weight: 82 g.   |   |   |   | 5  | 5  |  |

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|-----|----------------------|--|----|--|----|----|----|--|
| 77. | Safety Helmet        | high strength safety helmet with Chin Strip, Adjustable for head size 11 x 5.5 x 5, Premium high-density polyethylene shell with rain trough; patented shock absorbing hangers designed to absorb impacts evenly Adjustable Press Lock suspension locks in the right fit with the turn of a knob Universal accessory slots allow you to easily add cap attachments |    |  |    | 25 | 25 |  |
| 78. | Safety over gloves   | Silicon coated leather gloves protecting from mechanical risks. • Used to protect latex insulated gloves. • Physical and mechanical grade as per standard EN388: 2, 1, 2, 1.- Abrasion: 2.- Cuts: 1.- Tears: 2.- Perforation: 1. (20,23,25)cm ,  |    |  |    | 10 | 10 |  |
| 79. | Screw Driver         | 6"   |    |  | 4  |    | 4  |  |
| 80. | Screw Driver         | 8"   |    |  | 4  |    | 4  |  |
| 81. | Screw Driver         | 10"  |    |  | 24 |    | 24 |  |
| 82. | Screw drivers set    | 8 pics set<br>1000 Volt sheathed round blade Bi-material grip resists to impacts, abrasion, and chemicals, A3.5X100TVE, A4X100TVE, A5.5X125TVE, A6.5X150TVE, ADB1X100TVE ADB2X125TVE, APB1X100TVE, APB2X125TVE.  | 25 |  |    | 25 | 50 |  |
| 83. | Seam Welding Machine | Electrode stroke : 20 mm   |    |  | 1  |    | 1  |  |
| 84. | Smoke sensor         | D273 ,Sensing Technology: Photoelectric Height: 5" ,Four-wire smoke detector Input Voltage Range: 10 V DC to 30 VDC, Current Draw (alarm) at 30 VDC100 mA max, Current Draw (standby)18 mA maximum, Status Indicators: LED Radio Frequency Interference (RFI) Immunity No  |    |  |    | 2  | 2  |  |

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|-----|---|--|---|---|---|----|----|--|
|     |   | alarm or setup on critical frequencies in the range of 26 MHz to 950 M, Power-up Time: 22 sec max RMS Ripple: 25% of DC input maximum,<br>Dimensions (Diameter x H): 5 in. x 2 in. (12.7 cm x 5.1 cm)Material: High impact, fire retardant ABS plastic |   |   |   |    |    |  |
| 85. | Smoke sensors with smoke Alarm (complete Set) | Demonstrational and Functional model   |   | 5 |   |    | 5  |  |
| 86. | Soldering Wire                                | 60/40 .031" Tin/Lead mix   |   |   |   | 10 | 10 |  |
| 87. | Sounding Rod                                  | 2.5m long  |   |   | 2 |    | 2  |  |
| 88. | Spinner set double adage plan mm size         | 6mm to 32mm  | 3 |   |   |    | 3  |  |
| 89. | Spinner set double adage plan size            | ¼" to 1 1/2"   | 3 |   |   |    | 3  |  |
| 90. | Spot Welding Machine (AC)                     | Working capacity 3/16" , capable of joining heavy gage metal, weld mild steel/stainless steel up   |   |   | 1 |    | 1  |  |
| 91. | Spring Balance Capacity                       | 50kg   |   |   | 1 |    | 1  |  |
| 92. | Target staff / Aluminum Staff Rod             | double sided numbers, 3 folds 5 Meters / 16 feet long with dust cover and bubble Imported  |   |   | 5 |    | 5  |  |
| 93. | Tele Printer                                  | Demonstration & Trainer Type   |   | 1 |   |    | 1  |  |
| 94. | Temping rods                                  | 3/4"dia  |   |   | 5 |    | 5  |  |
| 95. | Thermocouple Wire                             | K type 1600 C  |   |   | 1 |    | 1  |  |
| 96. | Thimbles                                      | (0.5 mmsq,0.75mmsq,1mmsq, 1.5mmsq, 2.5mmsq,4mmsq,6 mmsq, 10mmsq), I type, U type, (Aluminum & Copper)  |   |   |   | 25 | 25 |  |

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| 97.  | Trowel                                     | 8" for mixing   |   |   | 5 |    | 5  |  |
| 98.  | Washing machine with dryer                 |   | 3 |   |   |    | 3  |  |
| 99.  | Wire Puller /fishing Wire                  | 1 flexible guiding head.- 1 pulling eye. • Breakage load: 120 kN. • For poorly clogged and medium curved ducts. • For distance below 20 m |   |   |   | 10 | 10 |  |
| 100. | Working Model of different kind of Magnets | containing different kinds of Magnets   |   | 3 |   |    | 3  |  |