## CAMDEN POWER STATION: ACCESS CONTROL AND CCTV CAMERA MAINTENANCE CONTRACT :BILLS OF QUANTITIES

| No   | Description  | Unit   | Qty  | Rate | Amount                                      |
|--|--|--|--|------|---|
|  | PREAMBLE   |  |  |      |   |
|  | Currency   |  |  |      |   |
|  | All pricing and amounts to be in the currency of South African Rans (ZAR)  |  |  |      |   |
|  | All individual amounts in these bills of quantities exclude Value Added Tax<br>(VAT) VAT is to be calculated as a lump sum and added to the total of all<br>values in the Final Summary under the item provided for VAT  |  |  |      |   |
|  | The contractor shall comply with all requirements of the "Code of Good   |  |  |      |   |
|  | The contractor shall comply with an requirements of the "Load of Good<br>Practice for Employment and Conditions of Work for Special Public Works<br>Programmes" issued in terms of the "Basic Conditions of Employment Act,  |  |  |      |   |
|  | 1997 (Act No. 75 of 1997)" and the related "Ministerial Determination", for the<br>employment of locally employed temporary workers on a labour-intensive  |  |  |      |   |
|  | employment of locally employed temporary workers on a labour-intensive<br>infrastructure project under the Expanded Public Works Programme (EPWP)  |  |  |      |   |
|  |  |  |  |      |   |
|  | A detailed and / or itemised breakdown of the P&G's Items will be requested<br>only from the successful bidders for vetting by the employer.   |  |  |      |   |
|  | BILL NO.01 - PRELIMINARIES AND GENERAL   |  |  |      |   |
|  | SCHEDULED FIXED-CHARGE AND VALUE RELATED ITEMS   |  |  |      |   |
| 1  | Contractual Requirements   | Item   | 1  |      | R   |
|  | Provision of Facilities on Site  |  |  |      |   |
| 2  | Facilities required by Contractor  | Item   | 1  |      | R   |
| 3  | General Responsibilities and Other Fixed-charge Obligations  | Item   | 1  |      | R   |
| 4  | Eskom Specific Fixed-charge Items<br>Safety File   | Item   | 1  |      | R   |
| 5  | PPE  | Item   | 1  |      | R   |
| 6<br>7   | Medicals (Entry and/ or Exit) - [2No Employees]<br>SAPS Vetting and /or Finger Print Check for All Employees   | Item<br>Item   | 1  |      | R<br>R                                      |
| 8  | Removal of Site Establishment  | Item   | 1  |      | R   |
|  | SCHEDULED TIME-RELATED ITEMS   |  |  |      |   |
| 9  | Contractual Requirements   | No   | 36   |      | R   |
|  | Operation and Maintenance of Facilities on Site  |  |  |      |   |
| 10   | Facilities required by Contractor  | No   | 36   |      | R   |
| 11   | General Responsibilities and Other Fixed-charge Obligations  | Item   | 36   |      | R   |
|  | WORKS  |  |  |      |   |
| 12<br>13   | 2x Technicians<br>Accommodation  | hr<br>days   | 4608<br>432  |      | R<br>R                                      |
| 14   | Travelling to and from Camden PS   | R/Km   | 432  |      | R   |
| 15   | Monthly Reports  | No   | 36   |      | R   |
|  | CALL-OUTS  |  |  |      |   |
| 16   | 2x Technicians   | hr   | 192  |      | R   |
| 17   | Travelling to and from Camden PS   | R/Km   | 6000   |      | R   |
|  | BILL NO.02 - SPARES  |  |  |      |   |
|  | BACKGROUND   |  |  |      |   |
|  | BACKGROOND   |  |  |      |   |
|  | Access control system is a type of security that manages and<br>controls who or what is allowed entrance to a system,<br>environment or facility. Camden Power Station has physical access<br>control systems installed in the station.  |  |  |      |   |
|  | SCOPE OF WORKS   |  |  |      |   |
|  |  |  |  |      |   |
|  | The Contractor is referred to Page 3 Item 2.1 and Page 6 to Page<br>10 item 3 of the Scope of Works Document for the details of the<br>Scope. The Contractor is to study the details of this document<br>prior to pricing this Bills of Quantities   |  |  |      |   |
|  | SUPPLY OF SPARES   |  |  |      |   |
|  |  |  |  |      |   |
| 18   | Card Reader 390 x 2/year (Currently Installed-Obsolete)Any other<br>brand/model which is compatible with interrelated systems i.e.<br>Softcon (or similar software) is acceptable.   | No   | 8  |      | R   |
|  | Card Reader 355 x 2/year (Currently Installed-Obsolete)Any other   |  |  |      |   |
| 19   | brand/model which is compatible with interrelated systems i.e.<br>Softcon (or similar software) is acceptable.   | No   | 8  |      | R   |
| 20   | HID PROX Reader  | No   | 8  |      | R   |
| 21   | Battery 12VDC 7.2Ah  | No   | 6  |      | R   |
| 22   | Mag lock C/W ZL Bracket  | No   | 4  |      | R   |
| 23   | Barrier Motor(Alltech)   | No   | 8  |      | R   |
| 24   | Dome Camera (SAMSUNG and / or DAHUA)   | No   | 20   |      | R   |
| 25   | Bullet Camera (Hikvision and / or DAHUA)   | No   | 40   |      | R   |
| 26   | Box Camera(Vision line, Bosch)   | No   | 12   |      | R   |
| 27   | Camera housing   | No   | 6  |      | R   |
| 28   | DVR -(8,16 and 32) channels  | No   | 16   |      | R   |
| 29   | PTZ Samsung Camera( DAHUA and / Hik Vision)  | No   | 12   |      | R   |
|  |  | No   | 16   |      | R   |
| 30   | Hard drive 10TB for DVR  |  | 3  |      | R   |
| 30<br>31   | Barrier loop(Alltech)  | No   |  |      |   |
| 30<br>31<br>32   | Barrier loop(Alltech)<br>Card Printer(Fargo DTC1250e)  | No   | 8  |      | R   |
| 30<br>31<br>32<br>33   | Barrier loop(Alltech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply   | No<br>No   | 14   |      | R   |
| 30<br>31<br>32   | Barrier loop(Alltech)<br>Card Printer(Fargo DTC1250e)  | No   |  |      |   |
| 30<br>31<br>32<br>33<br>34   | Barrier loop(Alltech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply  | No<br>No<br>No   | 14<br>14   |      | R<br>R                                      |
| 30<br>31<br>32<br>33<br>34<br>35   | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VICS tway Power supply<br>UPS 1XVA  | No<br>No<br>No   | 14<br>14<br>2  |      | R<br>R<br>R                                 |
| 30<br>31<br>32<br>33<br>34<br>35<br>36   | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply<br>UPS 1XVA<br>Coax Cable and / or CAT6 Cable   | No<br>No<br>No<br>m  | 14<br>14<br>2<br>4000  |      | R<br>R<br>R                                 |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37   | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply<br>UPS 1XVA<br>Caso Cable and / or CAT6 Cable<br>Fibre Cable Single and / or Multimode  | No<br>No<br>No<br>m<br>m   | 14<br>14<br>2<br>4000<br>1500  |      | R<br>R<br>R<br>R                            |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38   | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12/VCC way Power supply<br>UPS 1XVA<br>Caac Cable and / or CATS Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wireless Links   | No<br>No<br>No<br>m<br>No  | 14<br>14<br>2<br>4000<br>1500<br>8   |      | R<br>R<br>R<br>R<br>R                       |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40   | Barrier loop(Altech)<br>Card Printer (Fargo DTC1250e)<br>Controller power supply<br>12VICG Sway Power supply<br>UPS 1XVA<br>Casa: Cable and / or CAT6 Cable<br>Fibre Cable Single and / or Multimode<br>Radia and / or Winelss Links<br>Network Switch 24 Ports  | No<br>No<br>No<br>m<br>No<br>No                                      | 14<br>14<br>2<br>4000<br>1500<br>8<br>16   |      | R<br>R<br>R<br>R<br>R<br>R                  |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39   | Barrier loop(Altech)<br>Card Printer[Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply<br>UPS 1XVA<br>Coax Cable and / or CAT6 Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wireless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch  | No<br>No<br>No<br>m<br>No<br>No                                      | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8  |      | R R<br>R<br>R<br>R<br>R<br>R<br>R           |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42                               | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply<br>USP SIX/A<br>Coax Cable and / or CAT6 Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wireless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work Station Computer Complete   | No<br>No<br>Mo<br>Mo<br>No<br>No                                     | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8   |      | R R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41                                     | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>12VDC 9way Power supply<br>UPS SIX/A<br>Coax Cable and / or CA15 Cable<br>Fibre Cable Single and / or Multimode<br>Radia and / or Wireless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work Station Computer Complete<br>Boom Gate Motor  | No<br>No<br>Mo<br>Mo<br>No<br>No<br>No                               | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8<br>8<br>4                               |      | R R<br>R R<br>R R<br>R<br>R<br>R<br>R<br>R  |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43                         | Barrier loop(Altech)<br>Card Printer (Fargo DTC1250e)<br>Controller power supply<br>12/DCG sway Power supply<br>UPS 1XVA<br>Caax Cable and / or CAT6 Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wireless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work Station Computer Complete<br>Boom Gate Mitch   | No<br>No<br>Mo<br>Mo<br>No<br>No<br>No                               | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8<br>4<br>4<br>1                          |      | R R R R R R R R R R R R R R R R R R R       |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46       | Barrier loop/Altech)<br>Card Printer (Fargo DTC1250e)<br>Controller power supply<br>LIVCS Way Power supply<br>LIVS 1XVA<br>Caax cable and / or CATS Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wilceless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work Station Computer Complete<br>Boom Gate Moor<br>X-Ray Machine<br>HiD Proy Card<br>Stady Baak<br>Card Printer Cartridge(Fargo DTC1000 Colour Ribbon)               | No<br>No<br>Mo<br>Mo<br>No<br>No<br>No<br>No<br>No<br>No             | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8<br>4<br>1<br>10000<br>10000<br>180      |      | R R R R R R R R R R R R R R R R R R R       |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47 | Barrier loop(Altech)<br>Card Printer(Fargo DTC1250e)<br>Controller power supply<br>UPS 1XVA<br>Caax Cable and / or CATS Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wireless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work station Computer Complete<br>Boom Gate Motor<br>X-Ray Machine<br>HID Proy Card<br>Sticky Back<br>Card Printer Carridge(Fargo DTC1000 Colour Ribbon)<br>Clearning KR for Card Printing Machine | No<br>No<br>Mo<br>Mo<br>No<br>No<br>No<br>No<br>No<br>No<br>No<br>No | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8<br>4<br>1<br>10000<br>10000<br>180<br>6 |      | R R R R R R R R R R R R R R R R R R R       |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46       | Barrier loop/Altech)<br>Card Printer (Fargo DTC1250e)<br>Controller power supply<br>LIVCS Way Power supply<br>LIVS 1XVA<br>Caax cable and / or CATS Cable<br>Fibre Cable Single and / or Multimode<br>Radio and / or Wilceless Links<br>Network Switch 24 Ports<br>Fibre Converter Switch<br>Work Station Computer Complete<br>Boom Gate Moor<br>X-Ray Machine<br>HiD Proy Card<br>Stady Baak<br>Card Printer Cartridge(Fargo DTC1000 Colour Ribbon)               | No<br>No<br>Mo<br>Mo<br>No<br>No<br>No<br>No<br>No<br>No             | 14<br>14<br>2<br>4000<br>1500<br>8<br>16<br>8<br>8<br>4<br>1<br>10000<br>10000<br>180      |      | R R R R R R R R R R R R R R R R R R R       |