

**Programme 1:** Repair of Street and Highmast Lights**Teams:**

| <b>Team 1: Eastern Section</b>   | <b>Team 2: Western Section</b>  |
|--|---|
| Supervisor: Jan Boyens ; Mr. I Mokhai<br>, C Oosthuizen, V Phutsoeyane, J<br>Marais, A Coetzer | Supervisor : Paul Santos : Mr. P.<br>November, J Mahlatsi and L.D Lenyane |
|  |   |

| <b>Ward</b> | <b>Duration</b>          |
|-------------|--------------------------|
|             |                          |
| <b>1</b>    | 27/08/2017 to 28/08/2017 |
|             |                          |
| <b>2</b>    | 1/09/2017 to 2/09/2017   |
|             |                          |
| <b>3</b>    | 3/09/2017 to 6/09/2017   |
|             |                          |
| <b>4</b>    | 7/09/2017 to 7/09/2017   |
|             |                          |
| <b>5</b>    | 8/09/2017 to 8/09/2017   |
|             |                          |
| <b>6</b>    | 9/09/2017 to 9/09/2017   |
|             |                          |

|           |                          |
|-----------|--------------------------|
| <b>7</b>  | 10/09/2017 to 13/09/2017 |
|           |                          |
| <b>8</b>  | 14/09/2017 to 24/09/2017 |
|           |                          |
| <b>9</b>  | 27/09/2017 to 31/09/2017 |
|           |                          |
|           |                          |
| <b>10</b> | 27/08/2017 to 28/08/2017 |
|           |                          |
| <b>11</b> | 01/09/2017 to 04/09/2017 |
|           |                          |
| <b>12</b> | 05/09/2017 to 08/09/2017 |
|           |                          |
|           | 05/09/2017 to 06/09/2017 |

|           |                          |
|-----------|--------------------------|
| <b>13</b> |                          |
| <b>14</b> | 06/09/2017 to 07/09/2017 |
|           |                          |
| <b>15</b> | 08/09/2017 to 08/09/2017 |
|           |                          |
| <b>16</b> | 08/09/2017 to 09/09/2017 |
|           |                          |
| <b>17</b> | 09/09/2017 to 09/09/2017 |
|           |                          |
| <b>18</b> | 09/09/2017 to 09/09/2017 |
|           |                          |
| <b>19</b> |                          |
|           |                          |
|           | 09/09/2017 to 10/09/2017 |

|    |                          |
|----|--------------------------|
| 20 |                          |
| 21 | 13/09/2017 to 13/09/2017 |
|    |                          |
| 22 | 14/09/2017 to 14/09/2017 |
|    |                          |
| 23 |                          |
|    |                          |
| 24 |                          |
|    |                          |
| 25 | 14/09/2017 to 14/09/2017 |
|    |                          |
| 26 | 15/09/2017 to 15/09/2017 |
|    |                          |
|    | 15/09/2017 to 16/09/2017 |

|    |                          |
|----|--------------------------|
| 27 |                          |
| 28 | 17/09/2017 to 17/09/2017 |
|    |                          |
| 29 | 20/09/2017 to 20/09/2017 |
|    |                          |
| 30 | 22/09/2017 to 23/09/2017 |
|    |                          |
| 31 | 24/09/2017 to 24/09/2017 |
|    |                          |
| 32 | 27/09/2017 to 27/09/2017 |
|    |                          |
| 33 | 28/09/2017 to 28/09/2017 |
|    |                          |

|           |                          |
|-----------|--------------------------|
| <b>34</b> | 29/09/2017 to 29/09/2017 |
|           |                          |
| <b>35</b> | 30/09/2017 to 30/09/2017 |
|           |                          |
| <b>36</b> | 31/09/2017 to 31/09/2017 |
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| Area                        | Activity                   | Target Quantity | Resources Available |                   |           |
|-----------------------------|----------------------------|-----------------|---------------------|-------------------|-----------|
|                             |                            |                 | Human               | Plant & Equipment | Materials |
| Eastern Section             |                            |                 |                     |                   |           |
| Ventersburg and Mmamahabane | Hight Mast to be repaired  | 3               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 0               | Team 1              | non               | non       |
| Phomolong                   | Hight Mast to be repaired  | 3               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 0               | Team 1              | non               | non       |
| Phomolong Hennenman         | Hight Mast to be repaired  | 1               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 85              | Team 1              | non               | non       |
| Moleding Ereka              | Hight Mast to be repaired  | 2               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 0               | Team 1              | non               | non       |
| Moleding                    | Hight Mast to be repaired  | 2               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 0               | Team 1              | non               | non       |
| Meloding Stilte             | Hight Mast to be repaired  | 1               | Team 1              | non               | non       |
|                             | Streetlight to Be repaired | 0               | Team 1              | non               | non       |

|                                       |                            |    |        |     |     |
|---------------------------------------|----------------------------|----|--------|-----|-----|
| <b>Meloding Stilte</b>                | Hight Mast to be repaired  | 3  | Team 1 | non | non |
|                                       | Streetlight to Be repaired | 0  | Team 1 | non | non |
| <b>Virginia Harmony and Saaiplaas</b> | Hight Mast to be repaired  | 0  | Team 1 | non | non |
|                                       | Streetlight to Be repaired | 21 | Team 1 | non | non |
| <b>Virginia</b>                       | Hight Mast to be repaired  | 0  | Team 1 | non | non |
|                                       | Streetlight to Be repaired | 17 | Team 1 | non | non |
| <b>Western Section</b>                |                            |    |        |     |     |
| <b>Reibeeckstad and Kutlwanong</b>    | Hight Mast to be repaired  | 3  | Team 2 | non | non |
|                                       | Streetlight to Be repaired | 59 | Team 2 | non | non |
| <b>Bronville</b>                      | Hight Mast to be repaired  | 2  | Team 2 | non | non |
|                                       | Streetlight to Be repaired | 8  | Team 2 | non | non |
| <b>Bronville Thabong</b>              | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                                       | Streetlight to Be repaired | 0  | Team 2 | non | non |
|                                       | Hight Mast to be repaired  | 1  | Team 2 | non | non |



|                   |                            |   |        |     |     |
|-------------------|----------------------------|---|--------|-----|-----|
| <b>Thabong</b>    | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 1 | Team 2 | non | non |
| <b>Thabong</b>    | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 2 | Team 2 | non | non |
| <b>Thabong</b>    | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 2 | Team 2 | non | non |
| <b>Thabong</b>    | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 1 | Team 2 | non | non |
| <b>Thabong</b>    | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 2 | Team 2 | non | non |
| <b>Kutlwanong</b> | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 1 | Team 2 | non | non |
| <b>Phomolong</b>  | Streetlight to Be repaired | 0 | Team 2 | non | non |
|                   | Hight Mast to be repaired  | 2 | Team 2 | non | non |

|                                 |                            |    |        |     |     |
|---------------------------------|----------------------------|----|--------|-----|-----|
| <b>Kutlwanong</b>               | Streetlight to Be repaired | 0  | Team 2 | non | non |
| <b>Kutlwanong</b>               | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 0  | Team 2 | non | non |
| <b>Kutlwanong</b>               | Hight Mast to be repaired  | 1  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 0  | Team 2 | non | non |
| <b>Mine Area</b>                | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 0  | Team 2 | non | non |
| <b>Farms</b>                    | Hight Mast to be repaired  | 2  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 0  | Team 2 | non | non |
| <b>Reibeeckstad and Thabong</b> | Hight Mast to be repaired  | 1  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 14 | Team 2 | non | non |
| <b>Thabong</b>                  | Hight Mast to be repaired  | 2  | Team 2 | non | non |
|                                 | Streetlight to Be repaired | 0  | Team 2 | non | non |
|                                 | Hight Mast to be repaired  | 2  | Team 2 | non | non |

|                  |                            |    |        |     |     |
|------------------|----------------------------|----|--------|-----|-----|
|                  | Streetlight to Be repaired | 0  | Team 2 | non | non |
| Thabong          | Hight Mast to be repaired  | 1  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 0  | Team 2 | non | non |
| Thabong          | Hight Mast to be repaired  | 2  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 0  | Team 2 | non | non |
| Thabong & Welkom | Hight Mast to be repaired  | 3  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 20 | Team 2 | non | non |
| Thabong          | Hight Mast to be repaired  | 4  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 0  | Team 2 | non | non |
| Welkom           | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 26 | Team 2 | non | non |
| Welkom           | Hight Mast to be repaired  | 1  | Team 2 | non | non |
|                  | Streetlight to Be repaired | 16 | Team 2 | non | non |

|                                      |                            |    |        |     |     |
|--------------------------------------|----------------------------|----|--------|-----|-----|
| <b>Welkom</b>                        | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                                      | Streetlight to Be repaired | 7  | Team 2 | non | non |
| <b>Welkom &amp; Odendaalsrus</b>     | Hight Mast to be repaired  | 0  | Team 2 | non | non |
|                                      | Streetlight to Be repaired | 27 | Team 2 | non | non |
| <b>Allanridge And<br/>Nayakalong</b> | Hight Mast to be repaired  | 3  | Team 2 | non | non |
|                                      | Streetlight to Be repaired | 27 | Team 2 | non | non |

| Additional Resources Required  |  |   | Actual Achieved |
|--|--|---|-----------------|
| Human  | Plant & Equipment                      | Materials   |                 |
|  |  |   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 18 x 1000 Watt HPS Globes   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's | 0 x 125Watt Hps Globes and equipment indicated as per stock requirements  |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 24 x 1000 Watt HPS Globes   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's |   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 6 x 1000 Watt HPS Globes  |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's | 85 x 125Watt Hps Globes and equipment indicated as per stock requirements |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 12 x 1000 Watt HPS Globes   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's |   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 12 x 1000 Watt HPS Globes   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's |   |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x LDV's; 2 Winches                   | 6 x 1000 Watt HPS Globes  |                 |
| 2 x Electrician; 2 x Streetlight Attendent; 2 x Drivers; 4 x General Workers | 2 x 14m Hydraulic Platforms; 2 x LDV's |   |                 |

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|---|--|---|--|
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x LDV's; 2 Winches                   | 18 x 1000 Watt HPS Globes   |  |
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x 14m Hydraulic Platforms; 2 x LDV's |   |  |
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x LDV's; 2 Winches                   |   |  |
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x 14m Hydraulic Platforms; 2 x LDV's | 21 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x LDV's; 2 Winches                   |   |  |
| 2 x Electrician; 2 x Streetlight Attendant; 2 x Drivers; 4 x General Workers  | 2 x 14m Hydraulic Platforms; 2 x LDV's | 17 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
|   |  |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 18 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's | 59 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's | 8 x 125Watt Hps Globes and equipment indicated as per stock requirements    |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 0 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |

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|---|---|---|--|
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |

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|---|---|---|--|
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 0 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 18 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's | 14 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |



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|---|---|---|--|
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 12 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's |   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 18 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's | 20 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 24 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's | 0 x 125Watt Hps Globes and equipment indicated as per stock requirements    |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 0 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's | 26 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                      | 6 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms;<br>2 x LDV's | 16 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |

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|---|--|---|--|
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 0 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's | 7 x 125Watt Hps Globes and equipment indicated as per stock requirements    |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 0 x 1000 Watt HPS Globes and equipment indicated as per stock requirements  |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's | 27 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 14 x General Workers | 4 x LDV's; 2 Winches                   | 18 x 1000 Watt HPS Globes and equipment indicated as per stock requirements |  |
| 4 x Electrician; 3 x Streetlight Attendant; 3 x Drivers; 4 x General Workers  | 3 x 14m Hydraulic Platforms; 2 x LDV's | 27 x 125Watt Hps Globes and equipment indicated as per stock requirements   |  |

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**Outstanding Req Streetlights 2016/17 Financial Year**

| <b>REQ NO</b> | <b>DATE TO ADMIN</b> | <b>REQ BY</b> | <b>DEPT</b> | <b>ITEM DESCRIPTION</b>  | <b>SUPPLIER</b> | <b>First time Submit</b> |
|---------------|----------------------|---------------|-------------|--|-----------------|--------------------------|
| A 60662       | 11/01/2017           | J Booyens     | Electrical  | Lamps 125 watt M/V and ballast 125 watt                              | 1               | 11/01/2017               |
| A 60830       | 11/01/2017           | P Santos      | Electrical  | 30 days rental of a cherry picker truck (reach of 14 meters)         | 1               | 11/01/2017               |
| A 60832       | 18/01/2017           | P Santos      | Electrical  | Cutting pruner chains and round nose shovel lasher                   | 1               | 18/01/2017               |
| A 60834       | 18/01/2017           | P Santos      | Electrical  | 1 000W HPS Ignition and 1000w HPS Lamps                              | 1               | 18/01/2017               |
| A 60835       | 18/01/2017           | P Santos      | Electrical  | Nitto tape PVC adhesive red, white, blue,black rolls each            | 1               | 18/01/2017               |
| A 60838       | 02/02/2017           | P Santos      | Electrical  | Procurement of 20 J-2.5 cabel joint kits & 20 J-3 cabel joint kits   | 1               | 02/02/2017               |
| A 60839       | 02/02/2017           | P Santos      | Electrical  | Procurement of 30 of J-4 Joint kits                                  | 1               | 02/02/2017               |
| A 60842       | 02/02/2017           | P Santos      | Electrical  | Procurement of 20 of 5 ft double florecent fittings, of 1 100 of 5ft | 1               | 02/02/2017               |

|         |            |           |            |   |   |            |
|---------|------------|-----------|------------|---|---|------------|
| A 60840 | 02/02/2017 | P Santos  | Electrical | Procurement of 30 of double socket outlets, of 30 single lever light switch | 1 | 02/02/2017 |
| A 60847 | 03/02/2017 | P Santos  | Electrical | Procurement of 8 of each 3Phase, 6KA,80AMP circuit breakers                 | 1 | 03/02/2017 |
| A 60849 | 03/02/2017 | P Santos  | Electrical | Procurement of 200 of 125 Watts mercury vapour lamps                        | 1 | 03/02/2017 |
| A 60812 | 09/11/2016 | P Santos  | Electrical | Supply and installation of poles necks wiring, protection                   | 1 | 09/11/2016 |
| A 60777 | 21/10/2016 | W Sephton | Electrical | Round fitting 2D 16W 3 pin and 2D, 16W, 2 pin                               | 1 | 21/10/2016 |
| A 60778 | 21/10/2016 | W Sephton | Electrical | Lamps 80w, MV , ES Ferrules 16mm2, Cu                                       | 1 | 21/10/2016 |
| A 60776 | 21/10/2016 | P Santos  | Electrical | J3 Joint kit, J2 Joint kit  | 1 | 21/10/2016 |
| A 60660 | 21/10/2016 | J Booyens | Electrical | 125 watt streetlight fittings   | 1 | 21/10/2016 |

|         |                |          |            |  |   |                |
|---------|----------------|----------|------------|--|---|----------------|
| A 60780 | 24/10/20<br>16 | P Santos | Electrical | Flouresce<br>nt fitting<br>double sft  | 1 | 24/10/20<br>16 |
| A 60786 | 27/10/20<br>16 | P Santos | Electrical | Flouresce<br>nt fitting<br>(indoor)<br>double 5ft                                      | 1 | 27/10/20<br>16 |
| A 60786 | 27/10/20<br>16 | P Santos | Electrical | Flouresce<br>nt fitting<br>(indoor)<br>double 5ft                                      | 1 | 27/10/20<br>16 |
| A 60787 | 27/10/20<br>16 | P Santos | Electrical | Energy<br>saving<br>lamp ES,<br>9W   | 1 | 27/10/20<br>16 |
| A 52443 | 12/09/20<br>16 | P Santos | Electrical | Surfix<br>cable<br>2,5mm<br>2=E round<br>PVC white<br>meter                            | 1 | 12/09/20<br>16 |
| A 52444 | 12/09/20<br>16 | P Santos | Electrical | Lamps<br>energy<br>saver ES;<br>230V;9;w<br>hite                                       | 1 | 12/09/20<br>16 |
| A 52445 | 12/09/20<br>16 | P Santos | Electrical | Lamps<br>80watt<br>mercury<br>vapour<br>and tester<br>voltage<br>detector<br>majortech | 1 | 12/09/20<br>16 |

|         |                |              |            |   |   |                |
|---------|----------------|--------------|------------|---|---|----------------|
| A 52446 | 12/09/20<br>16 | P Santos     | Electrical | Post op<br>streetlight<br>fittings<br>80w MV<br>and phase<br>rotation<br>meter<br>k8035 | 1 | 12/09/20<br>16 |
| A 52447 | 12/09/20<br>16 | P Santos     | Electrical | Streetlight<br>fittings<br>125w MV<br>230V  | 1 | 12/09/20<br>16 |
| A 60353 | 15/09/20<br>16 | W<br>Sephton | Electrical | Hiring of<br>12,5<br>cherry<br>picker<br>cone<br>month 23<br>days                       | 1 | 15/09/20<br>16 |
| A 60354 | 15/09/20<br>16 | Z Mabaso     | Electrical | Supply<br>non metal<br>street<br>light<br>terminal<br>covers                            | 1 | 15/09/20<br>16 |
| A 31651 | 15/09/20<br>16 | Z Mabaso     | Electrical | Repair<br>two gate<br>booms at<br>Main<br>Building<br>parking<br>and<br>remote          | 1 | 15/09/20<br>16 |
| A 52449 | 15/09/20<br>16 | P Santos     | Electrical | Rolls of<br>100m<br>each of<br>2,5mm<br>luminatio<br>n wire 2<br>core black             | 1 | 15/09/20<br>16 |
| A 60754 | 28/09/20<br>16 | P Santos     | Electrical | 1000w<br>HPS<br>Lamps   | 1 | 28/09/20<br>16 |

|         |            |           |            |   |   |            |
|---------|------------|-----------|------------|---|---|------------|
| A 60759 | 28/09/2016 | P Santos  | Electrical | Photo cell switched small and photo cell switched big | 1 | 28/09/2016 |
| A 60761 | 28/09/2016 | P Santos  | Electrical | 125w MV Lamp and 80w MV Lamp                          | 1 | 28/09/2016 |
| A 60756 | 28/09/2016 | P Santos  | Electrical | 1000w HPS Fitting a                                   | 1 | 28/09/2016 |
| A 60758 | 28/09/2016 | P Santos  | Electrical | 80w MV Streetlight postop fitting                     | 1 | 28/09/2016 |
| A 60757 | 29/09/2016 | P Santos  | Electrical | 125w MV Street ligh fitting                           | 1 | 29/09/2016 |
| A 60652 | 12/08/2016 | J Booyens | Electrical | 125 watt HV Lamps an scotch tape                      | 1 | 12/08/2016 |
| A 60653 | 12/08/2016 | J Booyens | Electrical | Robot lamps 12volt hella an H3 ss walt                | 1 | 12/08/2016 |
| A 52419 | 23/08/2016 | P Santos  | Electrical | 30 of P3 joints kits and of 50 of 125watt MV lamps    | 1 | 23/08/2016 |
| A 52426 | 23/08/2016 | P Santos  | Electrical | 240 of 125 watt MV lamps                              | 1 | 23/08/2016 |
| A 52451 | 23/08/2016 | P Santos  | Electrical | 10 of 1000 watt HPS 230V Flood Light Fittings         | 1 | 23/08/2016 |
| A 52452 | 23/08/2016 | P Santos  | Electrical | 12 of 1000 Watt HPS Ballasts                          | 1 | 23/08/2016 |

|         |            |           |            |   |   |            |
|---------|------------|-----------|------------|---|---|------------|
| A 60656 | 23/08/2016 | J Booyens | Electrical | Electrical Material                                   | 1 | 23/08/2016 |
| A 52439 | 30/08/2016 | P Santos  | Electrical | 1500(drum) meter of mink cable                        | 1 | 30/08/2016 |
| A 52409 | 26/07/2016 | P Santos  | Electrical | P2,5 Joint kit durakast circuit breaker               | 1 | 26/07/2015 |
| A 52410 | 26/07/2016 | P Santos  | Electrical | Isolator SP 30A 6ka CBI and Isolator 100A 6KA CBI     | 1 | 26/07/2016 |
| A 52407 | 26/07/2016 | P Santos  | Electrical | Flourescent tubes 5 ft                                | 1 | 26/07/2016 |
| A 50091 | 07/06/2016 | J Booyens | Electrical | Lamps 1000 watt and lamps HPS 400 watt                | 1 | 08/06/2016 |
| A 33291 | 07/06/2016 | J Mokoena | Electrical | 100 rolls 10mm red wire and 100m roll black wire      | 1 | 08/05/2016 |
| A 31588 | 07/06/2016 | P Santos  | Electrical | Dome closure TDCP D300-221IBIR DIN rail earth         | 1 | 08/05/2016 |
| A 50095 | 07/06/2016 | J Booyens | Electrical | Lamps 125 watt M/V and Lamps 400 watt HPS             | 1 | 08/05/2016 |
| A 50093 | 07/06/2016 | J Booyens | Electrical | Lamps 1000 watt son T                                 | 1 | 08/05/2016 |
| A 31591 | 28/06/2016 | P Santos  | Electrical | Flourescent starters 4 - 80w and double socket outlet | 1 | 28/06/2016 |
| A 31590 | 28/06/2016 | P Santos  | Electrical | 58watt flourescent tubes 5 FT                         | 1 | 28/06/2016 |
| A 31592 | 28/06/2016 | P Santos  | Electrical | Hack saw blades 24T METAL                             | 1 | 28/06/2016 |

|         |            |           |            |   |   |            |
|---------|------------|-----------|------------|---|---|------------|
| A 58747 | 19/05/2016 | P Santos  | Electrical | Photo cell switch small and photo cell switch big   | 1 | 19/05/2016 |
| A 31585 | 20/05/2016 | P Santos  | Electrical | Hire of cherry picker days                          | 1 | 20/05/2016 |
| A 31580 | 20/05/2016 | P Santos  | Electrical | Lamps 1000W HPS AND Lamps 400W hps                  | 1 | 20/05/2016 |
| A 58746 | 20/05/2016 | P Santos  | Electrical | Lamps 80w MV ES 230V                                | 1 | 20/05/2016 |
| A 58141 | 05/04/2016 | P Santos  | Electrical | 125 watt MV Lamps                                   | 1 | 06/04/2016 |
| A 58145 | 05/04/2016 | P Santos  | Electrical | Rolls of 100m wire GP 16mm2 cu PVC insulated re     | 1 | 06/04/2016 |
| A 58142 | 05/04/2016 | P Santos  | Electrical | Photo cell switches small                           | 1 | 06/04/2016 |
| A 58143 | 05/04/2016 | P Santos  | Electrical | 1000Watt HPS Lamps                                  | 1 | 06/04/2016 |
| A 58144 | 05/04/2016 | P Santos  | Electrical | P2,5 Joint kit and P3 Joint kit                     | 1 | 06/04/2016 |
| A 29920 | 08/04/2016 | J van Wyk | Electrical | 20 kg waste rags                                    | 1 | 08/04/2016 |
| A 58146 | 15/02/2016 | P Santos  | Electrical | 9 watt BC energy saver lamp                         | 1 | 15/04/2016 |
| A 58130 | 16/03/2016 | P Santos  | Electrical | Photo cell switches small T3 joint kit              | 1 | 17/03/2016 |
| A 58129 | 16/03/2016 | P Santos  | Electrical | Hack saw blades 24T eclips and stanley knife blades | 1 | 17/03/2016 |
| A 58748 | 23/03/2016 | J Booyens | Electrical | Robot lamps Hella H3 12volt 55 watt                 | 1 | 23/03/2016 |

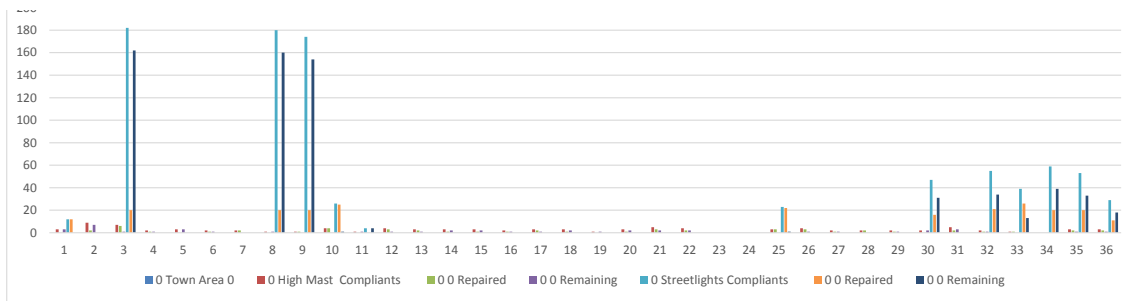
|            |                |          |            |   |   |                |
|------------|----------------|----------|------------|---|---|----------------|
| A 58106    | 05/02/20<br>16 | P Santos | Electrical | Lamps<br>HPS 1000<br>watt                                 | 1 | 05/02/20<br>16 |
| A 58105    | 05/02/20<br>16 | P Santos | Electrical | Circuit<br>breaker<br>single<br>phase 100<br>AMP,<br>10kA | 1 | 05/02/20<br>16 |
| A 58114    | 12/02/20<br>16 | P Santos | Electrical | Chrome<br>down light<br>fittings                          | 1 | 12/02/20<br>16 |
| A 58126    | 18/02/20<br>16 | P Santos | Electrical | Cable<br>16mm <sup>2</sup> x<br>4 core<br>SWA<br>meters   | 1 | 18/02/20<br>16 |
| A 28125    | 18/02/20<br>16 | P Santos | Electrical | Cable<br>6mm <sup>2</sup> x<br>core SWA<br>meters         | 1 | 18/02/20<br>16 |
| A 58107    | 24/02/20<br>16 | P Santos | Electrical | Repair to<br>hydraulic<br>1,1kw<br>motor                  | 1 | 26/02/20<br>16 |
| A 58108    | 26/02/20<br>16 | P Santos | Electrical | Repair to<br>1,5kw<br>hydraulic<br>motor                  | 1 | 26/02/20<br>16 |
| A 58109    | 26/02/20<br>16 | P Santos | Electrical | The repair<br>of 1,1kw<br>gearbox<br>motor                | 1 | 26/02/20<br>16 |
| A 58110    | 26/02/20<br>16 | P Santos | Electrical | The repair<br>of 0,75kw<br>gearbox<br>motor               | 1 | 26/02/20<br>16 |
| 06/01/2016 | A 56845        | P Santos | Electrical | 16mm <sup>2</sup> x 4<br>core SWA<br>Copper               | 1 | 08/01/2016     |
| 06/01/2016 | A 56846        | P Santos | Electrical | CBI socket<br>outlet<br>double wall<br>plug               | 1 | 08/01/2016     |



|            |         |          |            |  |   |            |
|------------|---------|----------|------------|--|---|------------|
| 27/01/2016 | A 58101 | P Santos | Electrical | Photo cell switch small for Alma Road Welkom                       | 1 | 27/01/2016 |
| 27/01/2016 | A 56850 | P Santos | Electrical | Rolls of one hundred meters GP wire 16mm2 red copper and conductor | 1 | 27/01/2016 |
| 27/01/2016 | A 58102 | P Santos | Electrical | Cable armoudac 16mm2 meters  | 1 | 27/01/2016 |

## Public Lighting Status Of June 2017

| Ward no       | Town Area                      | High Mast                 |           |           | Streetlights               |            |            |
|---------------|--------------------------------|---------------------------|-----------|-----------|----------------------------|------------|------------|
|               |                                | Compliant                 | Repaired  | Remaining | Compliant                  | Repaired   | Remaining  |
| 1             | Ventersburg and Mmamahabane    | 3                         | 0         | 3         | 28                         | 28         | 0          |
| 2             | Phomolong                      | 3                         | 0         | 3         |                            |            | 0          |
| 3             | Phomolong Hennenman            | 1                         | 0         | 1         | 95                         | 10         | 85         |
| 4             | Moleding Ereka                 | 2                         | 0         | 2         |                            |            | 0          |
| 5             | Moleding                       | 2                         | 0         | 2         |                            |            | 0          |
| 6             | Meloding Stilte                | 1                         | 0         | 1         |                            |            | 0          |
| 7             | Meloding Stilte                | 3                         | 0         | 3         |                            |            | 0          |
| 8             | Virginia Harmony and Saaiplaas | 0                         | 0         | 0         | 33                         | 12         | 21         |
| 9             | Virginia                       | 0                         | 0         | 0         | 32                         | 15         | 17         |
| 10            | Reibeecksstad and Kutlwano     | 6                         | 3         | 3         | 69                         | 10         | 59         |
| 11            | Bronville                      | 4                         | 2         | 2         | 13                         | 5          | 8          |
| 12            | Bronville Thabong              | 0                         | 0         | 0         |                            |            | 0          |
| 13            | Thabong                        | 4                         | 3         | 1         |                            |            | 0          |
| 14            | Thabong                        | 3                         | 2         | 1         |                            |            | 0          |
| 15            | Thabong                        | 3                         | 1         | 2         |                            |            | 0          |
| 16            | Thabong                        | 2                         | 0         | 2         |                            |            | 0          |
| 17            | Thabong                        | 3                         | 2         | 1         |                            |            | 0          |
| 18            | Kutlwano                       | 5                         | 3         | 2         |                            |            | 0          |
| 19            | Phomolong                      | 1                         | 0         | 1         |                            |            | 0          |
| 20            | Kutlwano                       | 3                         | 1         | 2         |                            |            | 0          |
| 21            | Kutlwano                       | 2                         | 2         | 0         |                            |            | 0          |
| 22            | Kutlwano                       | 2                         | 1         | 1         |                            |            | 0          |
| 23            | Mine Area                      | 0                         | 0         | 0         |                            |            | 0          |
| 24            | Farms                          | 2                         | 0         | 2         |                            |            | 0          |
| 25            | Reibeecksstad and Thabong      | 1                         | 0         | 1         | 14                         | 0          | 14         |
| 26            | Thabong                        | 3                         | 1         | 2         |                            |            | 0          |
| 27            | Thabong                        | 2                         | 0         | 2         | 0                          | 0          | 0          |
| 28            | Thabong                        | 3                         | 2         | 1         |                            |            | 0          |
| 29            | Thabong                        | 5                         | 3         | 2         |                            |            | 0          |
| 30            | Thabong & Welkom               | 4                         | 1         | 3         | 45                         | 25         | 20         |
| 31            | Thabong                        | 6                         | 2         | 4         |                            |            | 0          |
| 32            | Welkom                         | 0                         | 0         | 0         | 44                         | 18         | 26         |
| 33            | Welkom                         | 1                         | 0         | 1         | 36                         | 20         | 16         |
| 34            | Welkom                         | 2                         | 2         | 0         | 32                         | 25         | 7          |
| 35            | Welkom & Odendaalsrus          | 2                         | 2         | 0         | 69                         | 42         | 27         |
| 36            | Allanridge And Nayakalong      | 5                         | 2         | 3         | 44                         | 17         | 27         |
| <b>Totals</b> |                                | <b>89</b>                 | <b>35</b> | <b>54</b> | <b>554</b>                 | <b>227</b> | <b>327</b> |
|               |                                | Total High Mast Installed | 367       |           | Total streetlights         | 18722      |            |
|               |                                | % High Mast functioning   | 85.29%    |           | % Streetlights functioning | 98.25%     |            |



| <b>Town</b>  | <b>Street Name</b> | <b>Fault</b> | <b>XCoord</b> | <b>YCoord</b> |
|--------------|--------------------|--------------|---------------|---------------|
| Welkom       | R 73               | Missing      | 26.77471      | -27.981       |
| Welkom       | Albu               | Missing      | 26.72534      | -27.9623      |
| Welkom       | Albu               | Missing      | 26.72563      | -27.9619      |
| Welkom       | Albu               | Missing      | 26.72613      | -27.9654      |
| Odendaalsrus | Althea             | Damaged      | 26.70427      | -27.8713      |
| Odendaalsrus | Althea             | Damaged      | 26.71759      | -27.8694      |
| Odendaalsrus | Althea             | Damaged      | 26.72043      | -27.8695      |
| Odendaalsrus | Althea             | Missing      | 26.70745      | -27.8707      |
| Odendaalsrus | Althea             | Missing      | 26.70906      | -27.8705      |
| Odendaalsrus | Althea             | Missing      | 26.71276      | -27.8698      |
| Odendaalsrus | Althea             | Missing      | 26.71316      | -27.8697      |
| Odendaalsrus | Althea             | Missing      | 26.7135       | -27.8697      |
| Odendaalsrus | Althea             | Missing      | 26.71473      | -27.8695      |
| Odendaalsrus | Althea             | Missing      | 26.71513      | -27.8694      |
| Odendaalsrus | Althea             | Missing      | 26.71964      | -27.8695      |
| Matjhabe ng  | Arrarat            | Missing      | 26.74159      | -27.9832      |
| Matjhabe ng  | Arrarat            | Damaged      | 26.74503      | -27.976       |
| Matjhabe ng  | Arrarat            | Missing      | 26.74863      | -27.9685      |
| Matjhabe ng  | Beyers             | Missing      | 27.02449      | -27.9695      |
| Matjhabe ng  | Beyers             | Damaged      | 27.02579      | -27.9714      |
| Matjhabe ng  | Beyers             | Missing      | 27.03272      | -27.9792      |
| Matjhabe ng  | Beyers             | Damaged      | 27.01715      | -27.9809      |
| Matjhabe ng  | Beyers             | Damaged      | 27.02718      | -27.9746      |
| Welkom       | Buren              | Missing      | 26.72632      | -27.9547      |
| Welkom       | Buren              | Damaged      | 26.72844      | -27.9569      |
| Welkom       | Buren              | Damaged      | 26.74136      | -27.954       |
| Welkom       | Buren              | Missing      | 26.75284      | -27.9579      |

|                |                |         |          |          |
|----------------|----------------|---------|----------|----------|
| Matjhabe<br>ng | Constanti<br>a | Missing | 26.75378 | -27.9715 |
| Matjhabe<br>ng | Constanti<br>a | Missing | 26.73951 | -27.9647 |
| Matjhabe<br>ng | Constanti<br>a | Missing | 26.74    | -27.9645 |
| Wlkom          | Constanti<br>a | Damaged | 26.77881 | -27.9754 |
| Welkom         | Constanti<br>a | Damaged | 26.78015 | -27.9754 |
| Welkom         | Constanti<br>a | Damaged | 26.78193 | -27.9754 |
| Welkom         | Constanti<br>a | Damaged | 26.78382 | -27.9753 |
| Welkom         | Constanti<br>a | Damaged | 26.78523 | -27.9753 |
| Welkom         | Constanti<br>a | Missing | 26.78784 | -27.9751 |
| Welkom         | Constanti<br>a | Damaged | 26.78831 | -27.9751 |
| Welkom         | Constanti<br>a | Missing | 26.79115 | -27.9751 |
| Welkom         | Constanti<br>a | Missing | 26.79209 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79256 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79304 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79397 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79492 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79546 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79602 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79649 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79696 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.7979  | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79837 | -27.975  |
| Welkom         | Constanti<br>a | Missing | 26.79932 | -27.9749 |
| Welkom         | Constanti<br>a | Missing | 26.7998  | -27.9749 |
| Welkom         | Constanti<br>a | Missing | 26.80026 | -27.9749 |

|                  |                |         |          |          |
|------------------|----------------|---------|----------|----------|
| Welkom           | Constanti<br>a | Missing | 26.80073 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80168 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80262 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.8031  | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80539 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.77857 | -27.9752 |
| Welkom           | Constanti<br>a | Missing | 26.77927 | -27.9754 |
| Welkom           | Constanti<br>a | Missing | 26.7814  | -27.9754 |
| Welkom           | Constanti<br>a | Missing | 26.78876 | -27.9751 |
| Welkom           | Constanti<br>a | Missing | 26.78922 | -27.9751 |
| Welkom           | Constanti<br>a | Missing | 26.79164 | -27.975  |
| Welkom           | Constanti<br>a | Missing | 26.79352 | -27.975  |
| Welkom           | Constanti<br>a | Missing | 26.79879 | -27.975  |
| Welkom           | Constanti<br>a | Missing | 26.80116 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80214 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80363 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80417 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.80469 | -27.9749 |
| Welkom           | Constanti<br>a | Missing | 26.79753 | -27.975  |
| Welkom           | Constanti<br>a | Missing | 26.78685 | -27.9751 |
| Welkom           | Constanti<br>a | Missing | 26.78684 | -27.9753 |
| Riebeecks<br>tad | Craib          | Damaged | 26.82067 | -27.9344 |
| Riebeecks<br>tad | Craib          | Missing | 26.79418 | -27.9365 |
| Riebeecks<br>tad | Craib          | Missing | 26.8071  | -27.9364 |
| Welkom           | Craib          | Missing | 26.79019 | -27.9371 |
| Welkom           | Craib          | Missing | 26.78892 | -27.9373 |

|              |              |         |          |          |
|--------------|--------------|---------|----------|----------|
| Welkom       | Craib        | Missing | 26.78562 | -27.9372 |
| Riebeeckstad | Craib        | Missing | 26.80298 | -27.9362 |
| Virginia     | Harmony      | Missing | 26.89327 | -28.0779 |
| Virginia     | Harmony      | Missing | 26.88343 | -28.077  |
| Virginia     | Harmony      | Missing | 26.884   | -28.0771 |
| Virginia     | Harmony      | Missing | 26.88537 | -28.0772 |
| Matjhabe ng  | Hertzog      | Missing | 27.01898 | -27.9786 |
| Virginia     | Highlands    | Damaged | 26.85202 | -28.101  |
| Virginia     | Highlands    | Missing | 26.84851 | -28.1012 |
| Virginia     | Highlands    | Missing | 26.85138 | -28.1011 |
| Virginia     | Highlands    | Missing | 26.85172 | -28.1011 |
| Virginia     | Highlands    | Missing | 26.85554 | -28.1005 |
| Virginia     | Highlands    | Missing | 26.85737 | -28.1006 |
| Virginia     | Highlands    | Missing | 26.85786 | -28.1007 |
| Virginia     | Highlands    | Missing | 26.86617 | -28.1021 |
| Virginia     | Highlands    | Missing | 26.87437 | -28.1051 |
| Virginia     | Highlands    | Damaged | 26.87453 | -28.1054 |
| Virginia     | Highlands    | Missing | 26.87467 | -28.1058 |
| Matjhabe ng  | Jan Hofmeyer | Damaged | 26.78068 | -27.981  |
| Matjhabe ng  | Jan Hofmeyer | Missing | 26.77783 | -27.981  |
| Matjhabe ng  | Jan Hofmeyer | Missing | 26.77738 | -27.981  |
| Matjhabe ng  | Jan Hofmeyer | Damaged | 26.7672  | -27.9813 |
| Matjhabe ng  | Jan Hofmeyer | Missing | 26.76663 | -27.9813 |
| Matjhabe ng  | Jan Hofmeyer | Missing | 26.76568 | -27.9813 |

|                |                  |         |          |          |
|----------------|------------------|---------|----------|----------|
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.7584  | -27.981  |
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.75336 | -27.9801 |
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.74592 | -27.9778 |
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.73824 | -27.9749 |
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.74402 | -27.9771 |
| Matjhabe<br>ng | Jan<br>Hofmeyer  | Missing | 26.74426 | -27.9768 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76953 | -27.9641 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76922 | -27.9644 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76889 | -27.9651 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76816 | -27.9655 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76757 | -27.9655 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76721 | -27.9661 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76692 | -27.9659 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76694 | -27.9662 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76661 | -27.9661 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76641 | -27.9663 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76507 | -27.9683 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76423 | -27.9699 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76404 | -27.9716 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.7634  | -27.9726 |
| Matjhabe<br>ng | Koppie<br>Alleen | Damaged | 26.76357 | -27.9737 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76267 | -27.9759 |



|                |                  |         |          |          |
|----------------|------------------|---------|----------|----------|
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.7616  | -27.9793 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.76043 | -27.9823 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.7606  | -27.9827 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.75961 | -27.9843 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.75785 | -27.9858 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.75698 | -27.9861 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.7538  | -27.9888 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.74796 | -27.9934 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.7437  | -27.9968 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77303 | -27.9611 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77346 | -27.9604 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77369 | -27.96   |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78229 | -27.9398 |
| Matjhabe<br>ng | Koppie<br>Alleen | Damaged | 26.78248 | -27.9394 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78427 | -27.9359 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78552 | -27.9335 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78341 | -27.9388 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78318 | -27.9392 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78275 | -27.94   |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.78039 | -27.9452 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77692 | -27.9529 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77672 | -27.9533 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77653 | -27.9538 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77635 | -27.9541 |
| Matjhabe<br>ng | Koppie<br>Alleen | Missing | 26.77235 | -27.9612 |

|                 |                  |         |          |          |
|-----------------|------------------|---------|----------|----------|
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77259 | -27.9609 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77321 | -27.9599 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77347 | -27.9594 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77513 | -27.9557 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77534 | -27.9552 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77625 | -27.9532 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77681 | -27.9519 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77954 | -27.9458 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.77971 | -27.9454 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.78062 | -27.9434 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.7827  | -27.939  |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.7917  | -27.9193 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.79185 | -27.9189 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.79199 | -27.9184 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.79379 | -27.9124 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.79405 | -27.9118 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Missing | 26.79452 | -27.9119 |
| Matjhabe<br>ng  | Koppie<br>Alleen | Damaged | 26.7817  | -27.941  |
| Matjhabe<br>ng  | Koppie<br>Alleen | Damaged | 26.78781 | -27.929  |
| Mattjhabe<br>ng | Koppie<br>Alleen | Missing | 26.79083 | -27.9237 |
| Welkom          | Lindsay          | Missing | 26.71741 | -27.9456 |
| Welkom          | Lindsay          | Missing | 26.75977 | -27.9801 |
| Welkom          | Lindsay          | Missing | 26.71991 | -27.973  |
| Welkom          | Lindsay          | Missing | 26.71896 | -27.9637 |
| Welkom          | Lindsay          | Missing | 26.72004 | -27.974  |
| Matjhabe<br>ng  | Long             | Missing | 26.72831 | -27.9831 |
| Matjhabe<br>ng  | Long             | Missing | 26.73348 | -27.9852 |

|                  |          |         |          |          |
|------------------|----------|---------|----------|----------|
| Matjhabe<br>ng   | Long     | Damaged | 26.73273 | -27.9849 |
| Matjhabe<br>ng   | Long     | Missing | 26.73245 | -27.9848 |
| Matjhabe<br>ng   | Long     | Missing | 26.73098 | -27.9844 |
| Matjhabe<br>ng   | Long     | Missing | 26.72908 | -27.9832 |
| Matjhabe<br>ng   | Long     | Damaged | 26.72054 | -27.9824 |
| Matjhabe<br>ng   | Long     | Missing | 26.728   | -27.9833 |
| Matjhabe<br>ng   | Long     | Damaged | 26.70093 | -27.9812 |
| Matjhabe<br>ng   | Long     | Missing | 26.7087  | -27.9816 |
| Matjhabe<br>ng   | Long     | Damaged | 26.70786 | -27.9815 |
| Matjhabe<br>ng   | Long     | Damaged | 26.70082 | -27.981  |
| Matjhabe<br>ng   | Long     | Damaged | 26.69852 | -27.9809 |
| Odendaals<br>rus | Odendaal | Damaged | 26.68137 | -27.8802 |
| Odendaals<br>rus | Odendaal | Damaged | 26.68378 | -27.8786 |
| Odendaals<br>rus | Odendaal | Missing | 26.68338 | -27.8789 |
| Matjhabe<br>ng   | Odendaal | Missing | 26.6789  | -27.8816 |
| Welkom           | Power    | Missing | 26.77505 | -27.9688 |
| Welkom           | Power    | Missing | 26.77537 | -27.9695 |
| Welkom           | Power    | Damaged | 26.76777 | -27.9945 |
| Welkom           | Power    | Missing | 26.76842 | -27.9939 |
| Welkom           | Power    | Damaged | 26.76877 | -27.9935 |
| Welkom           | Power    | Missing | 26.77206 | -27.9906 |
| Welkom           | Power    | Missing | 26.77214 | -27.9902 |
| Welkom           | Power    | Missing | 26.7722  | -27.9898 |
| Welkom           | Power    | Missing | 26.77227 | -27.9894 |
| Welkom           | Power    | Missing | 26.77234 | -27.989  |
| Welkom           | Power    | Missing | 26.7724  | -27.9886 |
| Welkom           | Power    | Damaged | 26.77318 | -27.9839 |
| Welkom           | Power    | Damaged | 26.77326 | -27.9823 |
| Welkom           | Power    | Damaged | 26.77372 | -27.9816 |
| Welkom           | Power    | Missing | 26.77355 | -27.9806 |

|                |           |         |          |          |
|----------------|-----------|---------|----------|----------|
| Welkom         | Power     | Damaged | 26.77386 | -27.9805 |
| Welkom         | Power     | Missing | 26.7751  | -27.9718 |
| Welkom         | Power     | Missing | 26.775   | -27.9725 |
| Welkom         | Power     | Missing | 26.77493 | -27.9721 |
| Welkom         | Power     | Missing | 26.77482 | -27.9728 |
| Welkom         | Power     | Missing | 26.77488 | -27.9732 |
| Welkom         | Power     | Missing | 26.77471 | -27.9735 |
| Welkom         | Power     | Missing | 26.7747  | -27.9744 |
| Welkom         | Power     | Missing | 26.77462 | -27.9748 |
| Welkom         | Power     | Damaged | 26.77389 | -27.9789 |
| Welkom         | Power     | Missing | 26.77445 | -27.9679 |
| Welkom         | Power     | Missing | 26.77477 | -27.9685 |
| Welkom         | Power     | Missing | 26.77529 | -27.97   |
| Welkom         | Power     | Missing | 26.77521 | -27.9712 |
| Welkom         | Power     | Missing | 26.77131 | -27.9914 |
| Welkom         | Power     | Missing | 26.76332 | -27.9981 |
| Welkom         | Power     | Missing | 26.7716  | -27.9911 |
| Welkom         | Power     | Missing | 26.77186 | -27.9909 |
| Welkom         | Power     | Missing | 26.774   | -27.9793 |
| Welkom         | Power     | Missing | 26.77416 | -27.9783 |
| Welkom         | Power     | Missing | 26.77511 | -27.9692 |
| Virginia       | Riverside | Missing | 26.87822 | -28.0813 |
| Matjhabe<br>ng | Stateway  | Missing | 26.69684 | -27.9741 |
| Matjhabe<br>ng | Stateway  | Missing | 26.7041  | -27.9747 |
| Matjhabe<br>ng | Stateway  | Missing | 26.71134 | -27.9753 |
| Matjhabe<br>ng | Stateway  | Missing | 26.71665 | -27.9757 |
| Matjhabe<br>ng | Stateway  | Missing | 26.73028 | -27.9778 |
| Matjhabe<br>ng | Stateway  | Missing | 26.73373 | -27.979  |
| Matjhabe<br>ng | Stateway  | Missing | 26.73469 | -27.9793 |
| Matjhabe<br>ng | Stateway  | Missing | 26.73693 | -27.9802 |
| Matjhabe<br>ng | Stateway  | Missing | 26.74031 | -27.9812 |
| Matjhabe<br>ng | Stateway  | Missing | 26.74409 | -27.9826 |
| Matjhabe<br>ng | Stateway  | Missing | 26.74492 | -27.9832 |
| Matjhabe<br>ng | Stateway  | Missing | 26.74595 | -27.9836 |

|                  |          |         |          |          |
|------------------|----------|---------|----------|----------|
| Matjhabe<br>ng   | Stateway | Missing | 26.74654 | -27.9838 |
| Matjhabe<br>ng   | Stateway | Missing | 26.75137 | -27.9856 |
| Matjhabe<br>ng   | Stateway | Missing | 26.75376 | -27.9862 |
| Matjhabe<br>ng   | Stateway | Missing | 26.75356 | -27.9865 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.69841 | -27.974  |
| Matjhabe<br>ng   | Stateway | Missing | 26.70782 | -27.975  |
| Matjhabe<br>ng   | Stateway | Damaged | 26.70908 | -27.9751 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.71174 | -27.975  |
| Matjhabe<br>ng   | Stateway | Missing | 26.71416 | -27.9755 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.71945 | -27.9756 |
| Matjhabe<br>ng   | Stateway | Missing | 26.72155 | -27.9761 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.72518 | -27.9766 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.73514 | -27.9794 |
| Matjhabe<br>ng   | Stateway | Damaged | 26.76003 | -27.9933 |
| Matjhabe<br>ng   | Steyn    | Missing | 27.02739 | -27.9744 |
| Matjhabe<br>ng   | Steyn    | Damaged | 27.02617 | -27.9756 |
| Matjhabe<br>ng   | Tempest  | Missing | 26.74479 | -27.9651 |
| Matjhabe<br>ng   | Tempest  | Missing | 26.73678 | -27.9668 |
| Matjhabe<br>ng   | Tempest  | Missing | 26.7331  | -27.9753 |
| Matjhabe<br>ng   | Tempest  | Missing | 26.73323 | -27.9736 |
| Matjhabe<br>ng   | Tempest  | Missing | 26.73588 | -27.9681 |
| Riebeecks<br>tad | Thabong  | Damaged | 26.78666 | -27.934  |
| Welkom           | Toronto  | Damaged | 26.71558 | -27.9958 |
| Welkom           | Toronto  | Missing | 26.72698 | -27.9925 |
| Welkom           | Toronto  | Missing | 26.73353 | -27.99   |
| Welkjom          | Toronto  | Missing | 26.73367 | -27.9897 |
| Welkom           | Toronto  | Missing | 26.72551 | -27.9929 |

|              |               |         |          |          |
|--------------|---------------|---------|----------|----------|
| Welkom       | Toronto       | Missing | 26.7181  | -27.9951 |
| Odendaalsrus | Van Der Vyfer | Damaged | 26.66267 | -27.877  |
| Odendaalsrus | van der Vyfer | Missing | 26.68745 | -27.8797 |
| Odendaalsrus | Van Der Vyfer | Damaged | 26.66878 | -27.8745 |
| Odendaalsrus | Van Der Vyver | Missing | 26.66532 | -27.8759 |
| Odendaalsrus | Van Der Vyver | Missing | 26.67995 | -27.8753 |
| Odendaalsrus | Van Der Vyver | Missing | 26.68839 | -27.8796 |
| Odendaalsrus | Van Der Vyver | Missing | 26.68867 | -27.8795 |
| Odendaalsrus | Van Der Vyver | Missing | 26.68093 | -27.8756 |
| Virginia     | Virginia      | Damaged | 26.86278 | -28.095  |
| Welkom       | Volks         | Missing | 26.74185 | -27.973  |
| Welkom       | Volks         | Missing | 26.75027 | -27.9762 |
| Odendaalsrus | Voortrekker   | Damaged | 26.69261 | -27.874  |
| Virginia     | Voortrekker   | Missing | 26.86116 | -28.1042 |
| Virginia     | Voortrekker   | Missing | 26.86107 | -28.1045 |
| Virginia     | Voortrekker   | Missing | 26.861   | -28.1049 |
| Virginia     | Voortrekker   | Missing | 26.8609  | -28.1053 |
| Virginia     | Voortrekker   | Missing | 26.86797 | -28.1151 |
| Virginia     | Voortrekker   | Missing | 26.87063 | -28.1185 |
| Virginia     | Voortrekker   | Missing | 26.87011 | -28.1178 |
| Virginia     | Voortrekker   | Missing | 26.87989 | -28.1267 |
| Virginia     | Voortrekker   | Missing | 26.88605 | -28.132  |
| Welkom       |               | Missing | 26.77474 | -27.9682 |

**REQUIRED STREET LIGHT MATERIAL:**

| Item     | Item description                         | Unit | Estimated cost/unit | Quantities required West Stores | Quanties required East Stores | Quantities | Total          |
|----------|--|------|---------------------|---------------------------------|-------------------------------|------------|----------------|
| <b>1</b> | <b>Globes (normal street lights)</b>     |      |                     |                                 |                               |            |                |
| 1.1      | Post top 80W MV                          | Each | R 13.95             | 500                             | 0                             | 500        | R 6 975.00     |
| 1.2      | 70W HPS                                  | Each | R 41.50             | 30                              | 0                             | 30         | R 1 245.00     |
| 1.3      | 150W HPS                                 | Each | R 80.00             | 10                              | 0                             | 10         | R 800.00       |
| 1.4      | 250W HPS                                 | Each | R 130.00            | 206                             | 206                           | 412        | R 53 560.00    |
| 1.5      | 400W HPS                                 | Each | R 250.00            | 94                              | 30                            | 124        | R 31 000.00    |
| 1.6      | 125W MV                                  | Each | R 30.00             | 600                             | 200                           | 800        | R 24 000.00    |
| 1.7      | 250W MV                                  | Each | R 66.00             | 100                             | 100                           | 200        | R 13 200.00    |
| 1.8      | 400W MV                                  | Each | R 87.00             | 31                              | 31                            | 62         | R 5 394.00     |
| 1.9      | 105W Fluorescent tubes                   | Each | R 28.50             | 14                              | 14                            | 28         | R 798.00       |
| 1.1      | 200W Clear Inc ES                        | Each | R 7.45              | 50                              | 50                            | 100        | R 745.00       |
| 1.11     | 160W MV blend                            | Each | R 17.50             | 20                              | 0                             | 20         | R 350.00       |
| 1.12     | 75W Fluorescent tubes                    | Each | R 13.95             | 14                              | 20                            | 34         | R 474.30       |
| <b>2</b> | <b>Globes – High Masts</b>               |      |                     |                                 |                               | 0          |                |
| 2.1      | 400W HPS                                 | Each | R 800.00            | 36                              | 40                            | 76         | R 60 800.00    |
| 2.2      | 1000W HPS                                | Each | R 1 200.00          | 300                             | 261                           | 561        | R 673 200.00   |
| <b>3</b> | <b>Complete new street light fitting</b> |      |                     |                                 |                               | 0          |                |
| 3.1      | 125W MV                                  | Each | R 750.00            | 14                              | 10                            | 24         | R 18 000.00    |
| 3.2      | 250W MV                                  | Each | R 2 300.00          | 9                               | 9                             | 18         | R 41 400.00    |
| 3.3      | 70W HPS                                  | Each | R 750.00            | 10                              | 0                             | 10         | R 7 500.00     |
| 3.4      | 150W HPS                                 | Each | R 900.00            | 10                              | 0                             | 10         | R 9 000.00     |
| 3.5      | 250W HPS                                 | Each | R 2 300.00          | 290                             | 10                            | 300        | R 690 000.00   |
| 3.6      | 400W HPS                                 | Each | R 3 200.00          | 10                              | 10                            | 20         | R 64 000.00    |
| 3.7      | 70W HPS                                  | Each | R 750.00            | 10                              | 0                             | 10         | R 7 500.00     |
| <b>4</b> | <b>Street light columns</b>              |      |                     |                                 |                               | 0          |                |
| 4.1      | 9 m                                      | Each | R 4 500.00          | 2                               | 2                             | 4          | R 18 000.00    |
| 4.2      | 12m                                      | Each | R 5 500.00          | 290                             | 3                             | 293        | R 1 611 500.00 |
| 4.3      | 14m                                      | Each | R 7 500.00          | 8                               | 8                             | 16         | R 120 000.00   |
| <b>5</b> | <b>Spares for different luminaries</b>   |      |                     |                                 |                               | 0          |                |
| 5.1      | <b>80W MV : Top spares</b>               |      |                     |                                 |                               | 0          |                |
|          | Cap                                      | Each | R 11.25             | 10                              | 0                             | 10         | R 112.50       |
|          | Choke                                    | Each | R 55.25             | 10                              | 0                             | 10         | R 552.50       |
|          | Lamp Holder                              | Each | R 7.50              | 10                              | 0                             | 10         | R 75.00        |
| 5.2      | <b>125W MV :</b>                         |      |                     |                                 |                               | 0          |                |
|          | Cap 10 MFD                               | Each | R 11.25             | 10                              | 10                            | 20         | R 225.00       |
|          | Choke                                    | Each | R 61.75             | 10                              | 10                            | 20         | R 1 235.00     |
|          | Lamp holder                              | Each | R 7.50              | 10                              | 10                            | 20         | R 150.00       |
| 5.3      | <b>250W MV :</b>                         |      |                     |                                 |                               | 0          |                |
|          | Cap 15 MFD                               | Each | R 16.90             | 10                              | 10                            | 20         | R 338.00       |
|          | Choke                                    | Each | R 113.75            | 10                              | 10                            | 20         | R 2 275.00     |
|          | Lamp holder                              | Each | R 20.60             | 10                              | 10                            | 20         | R 412.00       |
| 5.4      | <b>70W HPS :</b>                         |      |                     |                                 |                               | 0          |                |
|          | Cap 10 MFD                               | Each | R 11.25             | 10                              | 0                             | 10         | R 112.50       |
|          | Choke                                    | Each | R 57.00             | 10                              | 0                             | 10         | R 570.00       |
|          | Lamp holder                              | Each | R 7.50              | 10                              | 0                             | 10         | R 75.00        |
| 5.5      | <b>150W HPS :</b>                        |      |                     |                                 |                               | 0          |                |
|          | Cap 20 MFD                               | Each | R 19.50             | 10                              | 0                             | 10         | R 195.00       |
|          | Choke                                    | Each | R 104.00            | 10                              | 0                             | 10         | R 1 040.00     |
|          | Lamp holder                              | Each | R 20.80             | 10                              | 0                             | 10         | R 208.00       |
| 5.6      | <b>250W HPS :</b>                        |      |                     |                                 |                               | 0          |                |
|          | Choke 30 MFD                             | Each | R 149.85            | 10                              | 10                            | 20         | R 2 997.00     |
|          | Igniter                                  | Each | R 62.80             | 10                              | 10                            | 20         | R 1 256.00     |
|          | Cap 30 MFD                               | Each | R 27.95             | 10                              | 10                            | 20         | R 559.00       |
|          | Lamp holder                              | Each | R 20.60             | 10                              | 10                            | 20         | R 412.00       |
| 5.7      | <b>400W HPS :</b>                        |      |                     |                                 |                               | 0          |                |
|          | Choke                                    | Each | R 195.00            | 10                              | 10                            | 20         | R 3 900.00     |
|          | Igniter                                  | Each | R 62.80             | 10                              | 10                            | 20         | R 1 256.00     |
|          | Cap 45 MFD                               | Each | R 34.45             | 10                              | 10                            | 20         | R 689.00       |
|          | Lamp holder                              | Each | R 20.60             | 10                              | 10                            | 20         | R 412.00       |
| 5.8      | <b>1000W HPS :</b>                       |      |                     |                                 |                               | 0          |                |
|          | Choke                                    | Each | R 227.50            | 10                              | 10                            | 20         | R 4 550.00     |
|          | Igniter                                  | Each | R 171.60            | 10                              | 10                            | 20         | R 3 432.00     |
|          | Cap                                      | Each | R 33.15             | 10                              | 10                            | 20         | R 663.00       |
|          | Lamp holder                              | Each | R 20.60             | 10                              | 10                            | 20         | R 412.00       |
|          | Pyrex Lenses                             | Each | R 42.00             | 10                              | 10                            | 20         | R 840.00       |
| <b>6</b> | <b>2.5mm PVC wire:</b>                   |      |                     |                                 |                               | 0          |                |
|          | Red                                      | 100m | R 175.00            | 4                               | 4                             | 8          | R 1 400.00     |

|    |  |       |          |     |     |     |                |
|----|--|-------|----------|-----|-----|-----|----------------|
|    | Black  | 100m  | R 175.00 | 4   | 4   | 8   | R 1 400.00     |
|    | Earth  | 100m  | R 175.00 | 4   | 4   | 8   | R 1 400.00     |
| 7  | <b>2.5kA Single phase CB:</b>                      |       |          |     |     | 0   |                |
|    | 5A   | Each  | R 40.60  | 10  | 10  | 20  | R 812.00       |
|    | 10A  | Each  | R 40.60  | 10  | 10  | 20  | R 812.00       |
|    | 20A  | Each  | R 40.60  | 10  | 10  | 20  | R 812.00       |
|    | 60A  | Each  | R 40.90  | 10  | 10  | 20  | R 818.00       |
| 8  | <b>80 Amp 5kA Three Phase contactors</b>           | Each  | R 600.00 | 10  | 10  | 20  | R 12 000.00    |
| 9  | <b>Day-night switch 2.5kA 30 Amp</b>               | Each  | R 44.00  | 10  | 10  | 20  | R 880.00       |
| 10 | <b>Timer with 24h back up capacity 2.5kA 3 Amp</b> | Each  | R 360.00 | 10  | 10  | 20  | R 7 200.00     |
| 11 | <b>Circuit breaker Clips</b>                       | Each  | R 15.00  | 20  | 20  | 40  | R 600.00       |
| 12 | <b>16mm² x 4 core PVC cable</b>                    | Meter | R 50.00  | 300 | 300 | 600 | R 30 000.00    |
| 13 | <b>16mm² x 3 core PVC cable</b>                    | Meter | R 42.50  | 0   | 0   | 0   | R 0.00         |
| 14 | <b>6mm² x 4 core PVC cable</b>                     | Meter | R 26.00  | 300 | 0   | 300 | R 7 800.00     |
| 15 | <b>4mm² x 4 core PVC cable</b>                     | Meter | R 18.50  | 300 | 0   | 300 | R 5 550.00     |
| 16 | <b>2.5mm² x 4 core PVC cable</b>                   | Meter | R 16.50  | 300 | 0   | 300 | R 4 950.00     |
| 17 | <b>P2 Cable Joint Kits</b>                         | Each  | R 175.00 | 100 | 100 | 200 | R 35 000.00    |
| 18 | <b>P3 Cable Joint Kits</b>                         | Each  | R 250.00 | 100 | 100 | 200 | R 50 000.00    |
|    | Sub total  |       |          |     |     | 0   | R 3 649 828.80 |
|    | Plus 14% VAT                                       |       |          |     |     | 0   | R 510 976.03   |
|    | Total  |       |          |     |     | 0   | R 4 160 804.83 |



### Vehicle Requirments For Streetligh Program

| Unit         | Type of vehicle                          | Total estimated Cost of vehicle if vehicles are purchased on a cash bases | Monthly estimate cost of the vehicle if purchased on a lease agreement including insurance | Comments   |
|--------------|--|---|--|--|
| Welkom       | Vehicle with 14 meter hydraulic platform | R 720 758.94  | R 16 259.55  | Vehicle will be utilized for streetlight overhead line maintenance |
| Odendaalsrus | Vehicle with 14 meter hydraulic platform | R 720 758.94  | R 16 259.55  | Vehicle will be utilized for streetlight overhead line maintenance |
| Allanridge   | Vehicle with 14 meter hydraulic platform | R 720 758.94  | R 16 259.55  | Vehicle will be utilized for streetlight overhead line maintenance |
| Ventersburg  | Vehicle with 14 meter hydraulic platform | R 720 758.94  | R 16 259.55  | Vehicle will be utilized for streetlight overhead line maintenance |
| Welkom       | 1800 LDV with canopy                     | R 150 000.00  | R 3 471.66   | Vehicle will be utilized with high mast maintenance teams          |
| Virginia     | 1800 LDV with canopy                     | R 150 000.00  | R 3 471.66   | Vehicle will be utilized with high mast maintenance teams          |
|              |  |   |  | <b>The estimated annual cost to lease purchase the</b>             |

|               |                       |                    |  |
|---------------|-----------------------|--------------------|--|
| <b>Totals</b> | <b>R 3 183 035.76</b> | <b>R 71 980.52</b> | <b>vehicles amounts to<br/>R863 766,24 that<br/>includes vat and<br/>insurance</b> |
|---------------|-----------------------|--------------------|--|

| Personnel Requirement for Streetlight Program     |                      |                       |                       |                        |                              |
|---|----------------------|-----------------------|-----------------------|------------------------|------------------------------|
| Position description                              | Number post required | Number of post vacant | Number of Post Filled | Estimate Annual Salary | Total Estimate Annual Salary |
| Electrician East                                  | 1                    | 1                     | 0                     | R 118,731.60           | R 118,731.60                 |
| Electrician West                                  | 1                    | 1                     | 0                     | R 118,732.60           | R 118,732.60                 |
| Streetlight attendant Virginia                    | 1                    | 0                     | 1                     | R 84,650.40            | R 84,650.40                  |
| Streetlight attendant Hennenman and Ventersburg   | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| High mast attendant East                          | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| Streetlight attendant Welkom Area 1               | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| Streetlight attendant Welkom Area 2               | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| Streetlight attendant Odendaalsrus and Allanridge | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| Highmast attendedent West                         | 1                    | 1                     | 0                     | R 84,650.40            | R 84,650.40                  |
| General Workers East                              | 6                    | 6                     | 0                     | R 53,882.40            | R 323,294.40                 |
| General Workers West                              | 8                    | 8                     | 1                     | R 53,882.40            | R 431,059.20                 |
| <b>Totals</b>                                     | <b>23</b>            | <b>22</b>             | <b>1</b>              |                        | <b>R 1,584,370.60</b>        |

## Personnel Requirement for Streetlight Program

| <b>Position description</b>                       | <b>Number post required</b> | <b>Number of post vacant</b> | <b>Number of Post Filled</b> | <b>Estimate Annual Salary</b> |
|---|-----------------------------|------------------------------|------------------------------|-------------------------------|
| Electrician East                                  | 1                           | 1                            | 0                            | R 118,731.60                  |
| Electrician West                                  | 1                           | 1                            | 0                            | R 118,732.60                  |
| Streetlight attendant Virginia                    | 1                           | 0                            | 1                            | R 84,650.40                   |
| Streetlight attendant Hennenman and Ventersburg   | 1                           | 1                            | 0                            | R 84,650.40                   |
| High mast attendant East                          | 1                           | 1                            | 0                            | R 84,650.40                   |
| Streetlight attendant Welkom Area 1               | 1                           | 1                            | 0                            | R 84,650.40                   |
| Streetlight attendant Welkom Area 2               | 1                           | 1                            | 0                            | R 84,650.40                   |
| Streetlight attendant Odendaalsrus and Allanridge | 1                           | 1                            | 0                            | R 84,650.40                   |
| Highmast attendedent West                         | 1                           | 1                            | 0                            | R 84,650.40                   |
| General Workers East                              | 6                           | 6                            | 0                            | R 53,882.40                   |
| General Workers West                              | 8                           | 8                            | 1                            | R 53,882.40                   |
| <b>Totals</b>                                     | <b>23</b>                   | <b>22</b>                    | <b>1</b>                     |                               |

|                |
|----------------|
| um             |
| Total Estimate |
| Annual Salary  |
| R 118,731.60   |
| R 118,732.60   |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 84,650.40    |
| R 323,294.40   |
| R 431,059.20   |
| R 1,584,370.60 |