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**Additional file 2:**
**Dar es Salaam: Recurrent and capital unit costs**

Table 1: Dar es Salaam Recurrent Unit Costs

<table>
<thead>
<tr>
<th>COST CATEGORY</th>
<th>Financial cost per unit</th>
<th>Allowances and extras</th>
<th>Units required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERNATIONAL COSTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Staff Time/Costs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External technical adviser</td>
<td>5,826</td>
<td>12,550</td>
<td>3</td>
</tr>
<tr>
<td><strong>NATIONAL COSTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ministry of Health/NMCP Staff (Central &amp; City Level)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Time/Costs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central level NMCP/MoH staff -Director NMCP</td>
<td>1,250,000</td>
<td>0</td>
<td>0.025</td>
</tr>
<tr>
<td>Procurement Officer</td>
<td>700,000</td>
<td>0</td>
<td>0.019</td>
</tr>
<tr>
<td>City Medical Officer</td>
<td>1,250,000</td>
<td>0</td>
<td>0.019</td>
</tr>
<tr>
<td><strong>PROGRAM LEVEL COSTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Larviciding program Staff</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Time/Costs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program manager</td>
<td>13,000,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>City surveillance officers</td>
<td>7,200,000</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Vector inspectors</td>
<td>1,813,333</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Municipal coordinators</td>
<td>3,000,000</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Ward supervisors</td>
<td>1,500,000</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>LCP</td>
<td>1,300,000</td>
<td>0</td>
<td>89</td>
</tr>
<tr>
<td>Larval surveillance CORPS</td>
<td>1,300,000</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>Drivers</td>
<td>5,500,000</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Program administrator</td>
<td>2,000,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Admin assistant</td>
<td>4,000,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>General hand</td>
<td>2,000,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Larvicide product, application equipment and transport</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Larvicide BTI VectoBac™ WG (Kg)</td>
<td>25.84</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Larvicide BTI VectoBac™ CG (Kg)</td>
<td>2.67</td>
<td>0</td>
<td>56,423.65</td>
</tr>
<tr>
<td>Weighing and packing of BS CG (bags and labor) per KG</td>
<td>1,796</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Carriage Insurance Freight (CIF) on CG from U.S. to DSM (per container)</td>
<td>5,168</td>
<td>1,500</td>
<td>0</td>
</tr>
<tr>
<td>Port charges, storage and release fees</td>
<td>14,000</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Import duty (25 percent of CIF) and VAT (20 percent of CIF + import duty)</td>
<td>52,529</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Transport of Larvicides from Port to storage unit (inc dock hands)</td>
<td>1,000,000</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Other field equipment (protective clothing, boots, buckets etc)</td>
<td>6,675,000</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Staff Training**
<table>
<thead>
<tr>
<th>Financial cost per unit</th>
<th>Allowances and extras</th>
<th>Units required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary, Transport &amp; Lunch for LCP during training</td>
<td>7,500</td>
<td>0</td>
</tr>
<tr>
<td>Room hire for training</td>
<td>600</td>
<td>0</td>
</tr>
</tbody>
</table>

**Meetings and workshops/Community sensitization**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Cost</th>
<th>Allowances</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stakeholder meeting</td>
<td>5,000,000</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Printing leaflets for distribution to households/communities</td>
<td>200</td>
<td>0</td>
<td>400000</td>
</tr>
</tbody>
</table>

**Operations costs and overheads**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Cost</th>
<th>Allowances</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office space rental City level</td>
<td>1,500,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Utilities &amp; Maintenance City Office (Electricity, Water)</td>
<td>75,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Other overheads City office (e.g. Insurance and office furniture)</td>
<td>75,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Storage and office space at municipal level</td>
<td>50,000</td>
<td>0</td>
<td>36</td>
</tr>
<tr>
<td>Utilities &amp; Maintenance municipal offices (Electricity, Water)</td>
<td>2,500</td>
<td>0</td>
<td>36</td>
</tr>
<tr>
<td>Other overheads municipal offices (e.g. Insurance and office furniture)</td>
<td>2,500</td>
<td>0</td>
<td>36</td>
</tr>
<tr>
<td>Storage costs at ward level</td>
<td>30,000</td>
<td>0</td>
<td>180</td>
</tr>
<tr>
<td>Mobile phone credit for Manger and surveillance officer</td>
<td>30,000</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Mobile phone credit for inspectors, coordinators and drivers</td>
<td>20,000</td>
<td>144</td>
<td>144</td>
</tr>
<tr>
<td>Mobile phone credit for ward supervisors</td>
<td>10,000</td>
<td>0</td>
<td>180</td>
</tr>
<tr>
<td>Telephone land line</td>
<td>200,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Internet connectivity monthly flat rate</td>
<td>50,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Stationary, printing, photocopying, office supplies</td>
<td>2,000,000</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**Transport**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Cost</th>
<th>Allowances</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel insurance and servicing on vehicles</td>
<td>7,368,233</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Motorbike fuel</td>
<td>3,257,226</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Transport allowance for ward supervisors</td>
<td>260,000</td>
<td>0</td>
<td>15</td>
</tr>
</tbody>
</table>

**Adult Mosquito Monitoring**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Cost</th>
<th>Allowances</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human landing catches</td>
<td>5,000</td>
<td>3484</td>
<td>3484</td>
</tr>
<tr>
<td>Field equipment (cool boxes, cups, gauzes etc)</td>
<td>640,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Lab tech salary</td>
<td>400,000</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>CAPITAL COSTS (Useful life &gt; 1 year)</td>
<td>Purchase price</td>
<td>Number of Units</td>
<td>Useful life (years)</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>----------------</td>
<td>-----------------</td>
<td>--------------------</td>
</tr>
<tr>
<td><strong>Mapping area/breeding sites</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase of aerial photo</td>
<td>2,500,000</td>
<td>1</td>
<td>15</td>
</tr>
<tr>
<td>GIS consultant to map wards</td>
<td>1,900,000</td>
<td>1.5</td>
<td>15</td>
</tr>
<tr>
<td>Motorbike &amp; operations costs for GIS consultant</td>
<td>4,857,226</td>
<td>1.5</td>
<td>15</td>
</tr>
<tr>
<td>GIS technician (assistant)</td>
<td>4,000,000</td>
<td>1.5</td>
<td>15</td>
</tr>
<tr>
<td><strong>Storage space &amp; equipment</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase of container</td>
<td>1,000,000</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Purchase of A/C unit</td>
<td>500,000</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Lockable cupboards at ward level</td>
<td>50,000</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td>Weighing scales at ward level</td>
<td>20,000</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>Water tank at ward level</td>
<td>20,000</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td><strong>Vehicles</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project vehicle</td>
<td>15,000,000</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Motorcycles</td>
<td>1,600,000</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td><strong>Spray pumps</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hudson spray pumps</td>
<td>250</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>Granule blowers</td>
<td>330,000</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td><strong>Computers, Mobile phones, GPS units and office equipment</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobile phones</td>
<td>80</td>
<td>30</td>
<td>3</td>
</tr>
<tr>
<td>GPS units</td>
<td>120</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Computer software and licenses</td>
<td>500</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Desk Top computer</td>
<td>1,100</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Laptop</td>
<td>1,300</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Printer</td>
<td>500</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>Adult Mosquito Monitoring Equipment</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microscope, light source</td>
<td>2,000</td>
<td>1</td>
<td>5</td>
</tr>
</tbody>
</table>