

## ANNEX 1 - TECHNICAL SPECIFICATIONS

| A. TECHNICAL SPECIFICATIONS OF IT EQUIPMENT |                                                                                    |                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item No                                     | TECHNICAL SPECIFICATIONS                                                           | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| <b>POS</b>                                  | Minimum technical requirements.                                                    | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| <b>1</b>                                    | <b>1.5 inch pipe on a roll</b>                                                     |                                                                                                                                                                                                                    |
| 1.1                                         | Diameter: 1.5 inches                                                               |                                                                                                                                                                                                                    |
| 1.2                                         | Pressure resistance: minimum 8 bar or 8,1 kg/cm <sup>2</sup>                       |                                                                                                                                                                                                                    |
| 1.3                                         | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 1.4                                         | Quantity: 600 m                                                                    |                                                                                                                                                                                                                    |
| <b>2</b>                                    | <b>2.0 inch pipe on a roll</b>                                                     |                                                                                                                                                                                                                    |
| 2.1                                         | Diameter: 2 inches                                                                 |                                                                                                                                                                                                                    |
| 2.2                                         | Pressure resistance: minimum 8 bar or 8,1 kg/cm <sup>2</sup>                       |                                                                                                                                                                                                                    |
| 2.3                                         | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 2.4                                         | Quantity: 800 m                                                                    |                                                                                                                                                                                                                    |
| <b>3</b>                                    | <b>Valve (Cack lock)</b>                                                           |                                                                                                                                                                                                                    |
| 3.1                                         | Diameter: 1.5 inches                                                               |                                                                                                                                                                                                                    |
| 3.2                                         | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 3.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                    |                                                                                                                                                                                                                    |
| 3.3.1                                       | Please indicate: Brand, Model and Type                                             |                                                                                                                                                                                                                    |
| 3.3.2                                       |  |                                                                                                                                                                                                                    |
| 3.4                                         | Quantity: 72                                                                       |                                                                                                                                                                                                                    |
| <b>4</b>                                    | <b>End Cap</b>                                                                     |                                                                                                                                                                                                                    |
| 4.1                                         | Diameter: 1.5 inches                                                               |                                                                                                                                                                                                                    |
| 4.2                                         | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 4.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                    |                                                                                                                                                                                                                    |
| 4.3.1                                       | Please indicate: Brand, Model and Type                                             |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                            | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| POS                                         | Minimum technical requirements.                                                     | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| 4.3.2                                       |    |                                                                                                                                                                                                                    |
| 4.4                                         | Quantity: 24                                                                        |                                                                                                                                                                                                                    |
| <b>5</b>                                    | <b>End Cap</b>                                                                      |                                                                                                                                                                                                                    |
| 5.1                                         | Diameter: 2 inches                                                                  |                                                                                                                                                                                                                    |
| 5.2                                         | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 5.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 5.3.1                                       | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 5.3.2                                       |   |                                                                                                                                                                                                                    |
| 5.4                                         | Quantity: 24                                                                        |                                                                                                                                                                                                                    |
| <b>6</b>                                    | <b>T-Joint</b>                                                                      |                                                                                                                                                                                                                    |
| 6.1                                         | Diameter: 1.5 inches                                                                |                                                                                                                                                                                                                    |
| 6.2                                         | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 6.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 6.3.1                                       | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 6.3.2                                       |  |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                            | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| POS                                         | Minimum technical requirements.                                                     | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| 6.4                                         | Quantity: 24                                                                        |                                                                                                                                                                                                                    |
| 7                                           | <b>Adapter (Male)</b>                                                               |                                                                                                                                                                                                                    |
| 7.1                                         | Diameter: 2 inches                                                                  |                                                                                                                                                                                                                    |
| 7.2                                         | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 7.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 7.3.1                                       | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 7.3.2                                       |    |                                                                                                                                                                                                                    |
| 7.4                                         | Quantity: 24                                                                        |                                                                                                                                                                                                                    |
| 8                                           | <b>Adapter (female)</b>                                                             |                                                                                                                                                                                                                    |
| 8.1                                         | Diameter: 2 inches                                                                  |                                                                                                                                                                                                                    |
| 8.2                                         | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 8.3                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 8.3.1                                       | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 8.3.2                                       |  |                                                                                                                                                                                                                    |
| 8.4                                         | Quantity: 24                                                                        |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                           | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| <b>POS</b>                                  | Minimum technical requirements.                                                    | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| <b>9</b>                                    | <b>Disk Filter</b>                                                                 |                                                                                                                                                                                                                    |
| 9.1                                         | Diameter of Connection: 2 inches                                                   |                                                                                                                                                                                                                    |
| 9.2                                         | <b>Possible Producer, Equivalent brand or Reference Picture</b>                    |                                                                                                                                                                                                                    |
| 9.2.1                                       | Please indicate: Brand, Model and Type                                             |                                                                                                                                                                                                                    |
| 9.2.2                                       |   |                                                                                                                                                                                                                    |
| 9.5                                         | Quantity: 8                                                                        |                                                                                                                                                                                                                    |
| <b>10</b>                                   | <b>Conversion Clips</b>                                                            |                                                                                                                                                                                                                    |
| 10.1                                        | Diameter: 2 inches to 1.5 inches                                                   |                                                                                                                                                                                                                    |
| 10.2                                        | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 10.3                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                    |                                                                                                                                                                                                                    |
| 10.3.1                                      | Please indicate: Brand, Model and Type                                             |                                                                                                                                                                                                                    |
| 10.3.2                                      |  |                                                                                                                                                                                                                    |
| 10.4.                                       | Quantity: 24                                                                       |                                                                                                                                                                                                                    |
| <b>11</b>                                   | <b>Adapter (male)</b>                                                              |                                                                                                                                                                                                                    |
| 11.1                                        | Diameter: 1.5 inches                                                               |                                                                                                                                                                                                                    |
| 11.2                                        | Material: Polyethylene or PVC                                                      |                                                                                                                                                                                                                    |
| 11.3                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                    |                                                                                                                                                                                                                    |
| 11.3.1                                      | Please indicate: Brand, Model and Type                                             |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                            | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| POS                                         | Minimum technical requirements.                                                     | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| 11.3.2                                      |    |                                                                                                                                                                                                                    |
| 11.4                                        | Quantity: 48                                                                        |                                                                                                                                                                                                                    |
| <b>12</b>                                   | <b>Drip Irrigation Lateral Pipe</b>                                                 |                                                                                                                                                                                                                    |
| 12.1                                        | Diameter: 16 mm                                                                     |                                                                                                                                                                                                                    |
| 12.2                                        | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 12.3                                        | Distance between nozzles: 30 - 38 cm                                                |                                                                                                                                                                                                                    |
| 12.4                                        | meters per roll: 400 m                                                              |                                                                                                                                                                                                                    |
| 12.5                                        | Quantity: 36 rolls                                                                  |                                                                                                                                                                                                                    |
| <b>13</b>                                   | <b>Valve (Cack lock)</b>                                                            |                                                                                                                                                                                                                    |
| 13.1                                        | Diameter: 16 mm                                                                     |                                                                                                                                                                                                                    |
| 13.2                                        | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |
| 13.3                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 13.3.1                                      | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 13.3.2                                      |  |                                                                                                                                                                                                                    |
| 13.4                                        | Quantity: 240                                                                       |                                                                                                                                                                                                                    |
| <b>14</b>                                   | <b>End Cap</b>                                                                      |                                                                                                                                                                                                                    |
| 14.1                                        | Diameter: 16 mm                                                                     |                                                                                                                                                                                                                    |
| 14.2                                        | Material: Polyethylene or PVC                                                       |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                            | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| POS                                         | Minimum technical requirements.                                                     | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| 14.3                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 14.3.1                                      | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 14.3.2                                      |    |                                                                                                                                                                                                                    |
| 14.4                                        | Quantity: 240                                                                       |                                                                                                                                                                                                                    |
| 15                                          | <b>Electric Water Pump</b>                                                          |                                                                                                                                                                                                                    |
| 15.1                                        | Power: minimum 3 HP                                                                 |                                                                                                                                                                                                                    |
| 15.2                                        | Flow rate: minimum 500 L/min                                                        |                                                                                                                                                                                                                    |
| 16                                          | <b>Water Tank</b>                                                                   |                                                                                                                                                                                                                    |
| 16.1                                        | Capacity: 5000 liters                                                               |                                                                                                                                                                                                                    |
| 16.2                                        | Material: UV resistant PVC or Polyethylene                                          |                                                                                                                                                                                                                    |
| 16.3                                        | Quantity: 8                                                                         |                                                                                                                                                                                                                    |
| 17                                          | <b>Fertilizer Injector</b>                                                          |                                                                                                                                                                                                                    |
| 17.1                                        | Capacity: 100 liters                                                                |                                                                                                                                                                                                                    |
| 17.2                                        | Material: Iron                                                                      |                                                                                                                                                                                                                    |
| 17.3                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 17.3.1                                      | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 17.3.1                                      |  |                                                                                                                                                                                                                    |
| 17.4                                        | Quantity: 8                                                                         |                                                                                                                                                                                                                    |
| 18                                          | <b>Power Cable</b>                                                                  |                                                                                                                                                                                                                    |
| 18.1                                        | Electric twisted cable 4 x 16 mm <sup>2</sup>                                       |                                                                                                                                                                                                                    |
| 18.2                                        | Quantity: 600 m                                                                     |                                                                                                                                                                                                                    |

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| Item No                                     | TECHNICAL SPECIFICATIONS                                                            | COMPARATIVE SPECIFICATION / REMARKS                                                                                                                                                                                |
| POS                                         | Minimum technical requirements.                                                     | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| <b>19</b>                                   | <b>Power Cable</b>                                                                  |                                                                                                                                                                                                                    |
| 19.1                                        | Electric copper cable flex 2 x 2.5 mm <sup>2</sup>                                  |                                                                                                                                                                                                                    |
| 19.2                                        | Quantity: 1000 m                                                                    |                                                                                                                                                                                                                    |
| <b>20</b>                                   | <b>Circuit Breaker</b>                                                              |                                                                                                                                                                                                                    |
| 20.1                                        | Electric Circuit Breaker 16 amp with cover                                          |                                                                                                                                                                                                                    |
| 20.2                                        | Quantity: 59                                                                        |                                                                                                                                                                                                                    |
| <b>21</b>                                   | <b>Circuit Breaker</b>                                                              |                                                                                                                                                                                                                    |
| 21.1                                        | Three phase electric circuit breaker 100 amp with cover                             |                                                                                                                                                                                                                    |
| 21.2                                        | Quantity: 5                                                                         |                                                                                                                                                                                                                    |
| <b>22</b>                                   | <b>Crop Wire</b>                                                                    |                                                                                                                                                                                                                    |
| 22.1                                        | Diameter: minimum 2 mm                                                              |                                                                                                                                                                                                                    |
| 22.2                                        | Material: Galvanized Iron                                                           |                                                                                                                                                                                                                    |
| 22.3                                        | Packaging: Roll with 500 m length                                                   |                                                                                                                                                                                                                    |
| 22.4                                        | Quantity: 24 rolls                                                                  |                                                                                                                                                                                                                    |
| <b>23</b>                                   | <b>Plastic clips to fix Plastic Cover of Green House on brackets</b>                |                                                                                                                                                                                                                    |
| 23.1                                        | Diameter: 2 inches                                                                  |                                                                                                                                                                                                                    |
| 23.2                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 23.2.1                                      | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 23.2.2                                      |   |                                                                                                                                                                                                                    |
| 23.3                                        | Quantity: 240                                                                       |                                                                                                                                                                                                                    |
| <b>24</b>                                   | <b>Plastic clips to fix Plastic Cover of Green House on doors</b>                   |                                                                                                                                                                                                                    |
| 24.1                                        | Diameter: 1 inch                                                                    |                                                                                                                                                                                                                    |
| 24.2                                        | <b>Possible Producer, Equivalent brand or Reference Picture</b>                     |                                                                                                                                                                                                                    |
| 24.2.1                                      | Please indicate: Brand, Model and Type                                              |                                                                                                                                                                                                                    |
| 24.2.2                                      |  |                                                                                                                                                                                                                    |
| 24.3                                        | Quantity: 800                                                                       |                                                                                                                                                                                                                    |
| <b>25</b>                                   | <b>Botanical thread 5 Kg</b>                                                        |                                                                                                                                                                                                                    |
| 25.1                                        | Quantity: 24 (Sold in Kg, Minimum 5 Kg)                                             |                                                                                                                                                                                                                    |
| B. DELIVERY                                 |                                                                                     |                                                                                                                                                                                                                    |

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| <b>Item No</b>                                     | <b>TECHNICAL SPECIFICATIONS</b>                                                    | <b>COMPARATIVE SPECIFICATION / REMARKS</b>                                                                                                                                                                         |
| <b>POS</b>                                         | Minimum technical requirements.                                                    | Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities. |
| B.1                                                | DDP to Ramadi                                                                      |                                                                                                                                                                                                                    |
| B.2                                                | Packing, loading, transportation and unloading is under responsibility of supplier |                                                                                                                                                                                                                    |
| B.3                                                | Please indicate the shortest delivery time (less than 10 working day)              |                                                                                                                                                                                                                    |
|                                                    |                                                                                    |                                                                                                                                                                                                                    |
| <b>C. REMARKS AND CONDITIONS</b>                   |                                                                                    |                                                                                                                                                                                                                    |
| C.1                                                | All standard accessories for all offered items should be provided.                 |                                                                                                                                                                                                                    |
| C.2                                                | The supplier must specify the warranty duration for all Items.                     |                                                                                                                                                                                                                    |
| C.3                                                | Catalogues or technical data sheet are requested for all items!!!                  |                                                                                                                                                                                                                    |
| C.4                                                | Comparable specifications to be highlighted in the catalogues                      |                                                                                                                                                                                                                    |
| C.5                                                | The brand and the model of the offered items to be indicated.                      |                                                                                                                                                                                                                    |