

Preamble:

**Abu Anti Substation
Statement of Work**

Background

The Stabilization Facility for Libya aims to bridge the critical period of transition from initial period of humanitarian relief towards mid- and long-term structural and sector-specific support. It includes time bound quick interventions at the municipality level providing concrete improvements and peace dividends at the community level through rehabilitation of critical infrastructure, building the capacity of local authorities and enhancing local mediation and conflict resolution capacities and processes.

Under this project, UNDP will repair light infrastructure within the conflict affected areas to reverse the physical disruption caused by the conflict and enable the reopening of key services at the municipal level. It will also support quick recovery of businesses that are critical to the survival of whole communities through rehabilitation and provision of equipment. Through these activities it will also aim to boost the capacity of

1.0 General

1.1 The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications, Drawings and Employer's requirements and the Tenderer shall provide against the bill rates or in the prices for the full scope of the work covered by the Contract, no claim or variations shall be considered on account of the Tender's failure to comply with this provision.

1.2 The various documents collectively referred to herein as the Bill of Quantities shall jointly constitute the Bill of Quantities referred to in the Conditions of Contract and these preambles are to be read in conjunction with item descriptions in the Bill of Quantities.

1.3 Lump Sum values shall not be inserted where unit rates are applicable and the Tenderer shall ensure that identical items occurring in separate bills are not priced at different rates, unless this is the deliberate intention.

1.4 The Tenderer shall check against the summaries that each copy of the Bill of Quantities is complete in the number of pages and in the reproduction of each page. The Tenderer's unit rates, prices and extensions shall be entered clearly by hand in black ink.

1.5 Unit rates, prices and extensions shall be given in the United state Dollar with cents taken to two decimal places or any other valid currency value taken to two decimal places.

1.6 The Bill of Quantities has generally been measured in accordance with the Principals of Measurement (International) for Works of Construction (June 1979), as published by the Royal Institution of Chartered Surveyors with amendments made to suit local practice and conditions. The Quantities inserted against items in the Bill of Quantities are estimated quantities for the Works for the purpose of Tender evaluation, and the Tenderer shall be deemed to have checked and verified such quantities in the compilation of his Tender Price prior to the submission of his Tender. Upon the award of the Contract, the priced Bill of Quantities shall be used solely for evaluating interim payments due to the Contractor, and as a schedule of rates for establishing the value of variations.

1.7 The Contractor shall not use the Bill of Quantities for the purpose of ordering materials or arranging Subcontractors. References to these activities shall be the Specifications and Drawings and instructions issued by the Engineer.

1.8 All items in the Bill of Quantities shall be deemed to have a monetary value, whether priced or unpriced. In the absence of a unit rate or price against any item, the cost shall be deemed to have been included elsewhere within the Contract Price and the work described to that item shall be executed by the Contractor without any additional payment.

1.9 The descriptions in the Bill of Quantities may be incomplete and the Tenderer is referred to the Drawings, Photographs and Specifications for complete information in respect of all the relevant descriptions, quality, dimensions, capacities, design parameters and the like.

2.0 Format of Descriptions

2.1 In addition to common abbreviations the following have been adopted; POM (I), Principal of Measurement (International) for Works of construction dated June 1979 as published by the royal Institution of Chartered Surveyors, London

mm- Millimetre	Pr-Pair
M-Linear Meter	No-Number
m²- Square Meter	Kg-Kilograms
m³- Cubic Meter	

3.0 Rates

3.1 Rates and Prices shall be all inclusive, comprehensive and include the following:

- a) All obligations imposed by the Contract.
- b) Complying in every respect with the requirements and the considerations of the Specifications and Drawings.
- c) All considerations arising from the definitions incorporated in each Preamble section.
- d) Labour for fixing and all associated costs.
- e) Materials and goods and all associated costs
- f) Fitting and /or fixing materials and goods in any position, hoisting to any height.

- g) Use of Scaffolding, plant, equipment and tools.
- h) Any additional labours usually associated with measured items.
- i) All necessary protection of the Works, removing all casings and temporary covering and making good and clearing away upon completion.
- j) All applicable taxes, duties, charges, government levies, landing charges and transport.
- k) Overheads & profit.

4.0 Measurements

4.1 All measurements are net and the rates shall include for all laps, waste, working space and trade or traditional allowances.

4.2 The pricing of materials shall take account of the following:

- a) Pricing Preambles, Drawings and specifications shall apply reciprocally between the various sections of the Works, unless otherwise described.
- b) Materials shall be of the specified quality unless otherwise described.
- c) All materials shall be transported, handled, stored and fixed in accordance with the printed instruction or recommendations of their manufacturer or suppliers.
- d) Protection of completed work, all casings and temporary coverings and making good and clearing away upon completion.

5.0 Discrepancies

5.1 Any discrepancy arising in terms of these Preambles and the items contained within the Bill of Quantities must be brought to the attention of the Engineer for his clarification prior to the submission of tender.

EARTH WORKS

§ All quantities for excavation have been measured net with no allowance for increase in bulk or working space.

§ The Tenderer shall allow in this excavation rates for excavating in any material, including running sand and rock, commencing excavation at any depth, excavating below the normal water table, excavating around existing services and mains, supporting the vertical sides of excavations, working space and filling soft spots.

§ Rates and Prices to include,

- a) Excavating by whatever means are necessary including hand excavation in any kind of ground, except rock and boulder rock.
- b) Trimming or grading ground to produce level surfaces or surfaces to falls or slopes.
- c) Ramming and compacting sides and bottoms of excavations and supports to sides.

- d) Keeping free from water including any dewatering as necessary.
- e) Any hand excavation required around existing services or the like.

CONCRETE WORK

§ The rates for all concrete work shall include for the following:

- a) Concrete test cubes and testing costs wherever required.
- b) Mixing, hoisting and placing and compacting on the surfaces of any material or on formwork.
- b) The forming any construction joints, including any required preparation for adjacent pours, together with expansion joints or the like.
- d) Curing and protecting concrete surfaces from harmful weather conditions
- e) All necessary keys to concrete surfaces to receive in-situ finishes.

REINFORCEMENT

§ The rates for bar reinforcement shall include for the following;

- a) Positioning and protecting starter bars, Straightening (If required) cutting to length and bending reinforcement to required shapes.
- b) Cleaning and wire brushing.
- c) Provision of supports (excluding links and stirrups) steel binding wire and approved/proprietary distance pieces.

§ The rates for Shuttering or molds as appropriate shall include for the followings;

- a) All cutting and waste including raking curved or circular cutting and notching around pipes, ducting and fittings.
- b) Setting up, strutting and supporting at any height above the structure subject to any limitations imposed by the engineer including all pops, stays struts, wedges and bolts etc.
- c) Carefully coating with shutter oil ensuring that no shutter oil is applied to surfaces of reinforcement.
- d) Rubbing down, filling and making good the surface of concrete after removal of shuttering.

MASONRY

§ The rates for brick walls shall include the following:

- a) Straight raking curved and circular rough or fair cutting, plumbing at angles, cutting and bonding at angles, openings and intersections, building in to and/or against adjacent work, wedging and pinning up to
- b) All necessary keys for in-situ finishing.

- c) All necessary wall ties, dowels, straps, sleeves. Channels and other like fixings built-in

at junctions between brick work and insitu concrete including casting in, drilling,

bolting and the like.

- d) All necessary brick work reinforcement at junctions between brick work and walls

construction joints or the like and openings.

WOODWORK

§ The rates for wood work shall include for the following;

- a) All joints in the running length including structural joints.

- b) Cutting and fitting to steelwork, trimming around opening, notching, boring .

- b) Wood work shall be fixed with non-corroding nails and screws and unless otherwise described all plugging and pellating shall be deemed to be included.

FINISHES

§ The rates for all work-in this section shall include for the followings:

- a) Straight, racking, curved and circular cuttings or the like and all consequent wastages.

- b) All setting out temporary rules, screeds, templates and supports.

- c) Curing and cleaning off/down upon completion.

- d) All labours and making good around pipes, ducting and fittings and the like