

TRIPOLI EMERGENCY FUND

CONSOLIDATION OF BUILDING Lot # 2054 - BT

Volume 5

BILL OF QUANTITIES AND PREAMBLE

Part A - Preamble to Bill of Quantities
Part B - Bill of Quantities

June 2026

PART A

PREAMBLE TO BILL OF QUANTITIES

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1. GENERAL

The Bill of Quantities is not and does not purport to be either exhaustive or explanatory of all the obligations and duties of the Contractor who shall be deemed to have satisfied himself as to the correctness and sufficiency of the rates and prices entered by him in the Bill of Quantities all of which shall cover all his obligations under the Contract (including those in respect of the supply of goods, materials, plant or services or of contingencies for which there is a Provisional Sum) and all matters and things necessary for the proper execution and completion of the Works and the remedying of any defects therein and which may reasonably be inferred to be necessary for the Works as described in the Contract whether expressly mentioned therein or not.

2. Item Description

A detailed description of the items and of the conditions under which and the manner in which the work is to be done and measured is not set out in each item of the Bill of Quantities. Reference should be made to this Preamble and all other documents forming the Contract.

3. Definitions OF BILL of Quantity Categories

The Bill of Quantities is divided into several categories, listed below, to group the prices under the following:

- Bill A General Works
- Bill B - Civil Works

3.1 GENERAL WORKS - BILL A

3.1.1 NOTICE BOARDS

Notice board shall be paid by unit and the price shall include manufacturing, transportation, installation (including concrete, excavation, equipment, labour, etc...) and removal prior and after completion of the works.

3.1.2 INSURANCES

This item shall be paid as a lump sum and the price shall cover, during the contract duration and the defects liability period, the insurance of Contractor's personnel and staff, employer and his representative(s) and all equipment in accordance to the Contract.

3.1.3 SITE PREPARATION AND MOBILIZATION-DEMobilIZATION

The rate shall include the full mobilization / demobilization of all resources and equipment necessary for the execution and completion of the works. The price shall be paid as a lump sum and the works shall include but not be limited to the following:

- Protection of public and private properties
- All necessary procedures for the supply and testing of material in conformity with the specifications and as directed by the Engineer,
- Temporary works and site protection, watching, fencing and lighting,
- Supply of the required equipment in order to execute all the required works including but not limited to:
 - Transport of material and equipment to the different parts of the project,
 - Ensuring storage areas and disposal sites,
 - Supply of water and power to complete the works,
 - Keeping the site free of water for excavation, backfilling and concrete works,
 - Supply of compressed water (not less than 2 bars),
 - Accomplish excavation including removal of excavated material and backfilling,
- Management, operation and maintenance of site equipment,

- Indemnification and remedying of all damages caused by the execution of the works to the private or public properties,
- Guiding and protecting traffic and pedestrians through areas of construction including the erection of signs, barriers and lighting,
- Removal of utilities, plants, machinery and all other facilities after completion of the works, including reinstatement to the Engineer's satisfaction,
- Ensuring that all parts of the project are operating as required after the completion of the works and after testing and remedying of all defects that may appear while testing,
- Completion of all procedures necessary for the taking over and commissioning,
- All items necessary to complete the mobilization / demobilization including all related costs.

3.1.4 ACCESS TO SITE

This item shall be paid on a Lump Sum basis and shall include all necessary equipment or labour for the site access to deliver material needed for the execution of the works. The price shall include for all safety measures and equipment for the safety of labour, equipment and materials.

This item shall also include the preparation of a temporary access road to the site(s) if needed to enable access to the building.

3.1.5 HEALTH AND SAFETY REQUIREMENTS

Health and Safety requirements shall be paid as a lump sum and shall include but not be limited to the following:

- PPE including safety boots, gloves, safety vests, helmets, masks ...
- Safety barriers.
- Safety lights, signs and cones.
- Firefighting equipment.
- First Aid Kit.
- Lights during works.

3.1.6 RECORDS AND “AS-BUILT” DRAWINGS

After the work has been completed, the Contractor shall submit “as-built” drawings prepared whilst surveying during construction, showing the Works as constructed together with all other information that may either be required or be useful for the operation and maintenance of the Works in the future. The cost of preparing the shop drawings, “as-built” Drawings and Records shall be deemed to be included by the Contractor in his unit rates for the various items in the Bill of Quantities and shall not be paid for separately. The As-built Drawings shall be submitted, to the Engineer, on computer CDs.

4. CIVIL WORKS – Bill B

The civil works includes but not limited to, execute reinforced concrete jacketing for columns, drop beams and consolidation of solid and ribbed slabs as described in the specification and detailed in the drawings. The works consists of surfaces preparation, installation of dowels and shear connectors, casting concrete and conduct all required testing as requested by the engineer.

4.1 RATES AND PRICES

The Contractor shall be deemed to have inserted against each item in the Bills such rates and prices as he may deem necessary to cover the requirements of the Contract. Where neither price nor rate is entered against an item or if the term “included” or any such similar term is used it shall be deemed to have been included in the other priced items in the BOQ and measured accordingly. All rates and prices entered against any item in the BOQ shall be deemed to include all the detailed requirements of the Particular Specifications and the requirements of the volume 1.

Rates and prices shall be inserted in the unit rate column of the Bill of Quantities. Each part of the Bill of Quantities shall be totalled and the totals carried to the Summary and Grand Summary.

4.2 Measurement

The Bill of Quantities includes items as lump sum and others as measured quantities.

4.2.1 Lump Sum

The lump sum items shall not be subject to re-measurement, and shall include the prices for all necessary construction, installation, testing and commissioning among others. The lump sum entered in the Bills shall include the price for a complete installation as described in the specifications.

The prices shall include all work necessary for completion of the Works and shall include the prices for all necessary building work such as forming box outs, supports, props and scaffoldings.

4.2.2 Measured Quantities

All measurements in the Bill of Quantities are taken strictly net. The principle of net measurements shall apply to all Works executed. All quantities measured for payment shall be measured by the Engineer on the basis of actual net quantities of Work fixed in position. Item not used shall neither be measured nor included by the Contractor in his statements.

The quantities given in the Bill are the estimated quantities. In no sense shall such quantities be considered as limiting or extending the amount of the work to be done by the Contractor and of the materials to be supplied by him. The Contractor shall be responsible for checking quantities and for making any necessary surveys and investigations prior to placing any order for materials.

4.2.3 Technical schedules and Data sheets

1. Steel reinforcement		
Manufacturer		
Supplier		
2. Ready mix Concrete		
Manufacturer		
Supplier		
3. Epoxy		
Manufacturer		
Supplier		

PART B

BILL OF QUANTITIES

BILL A - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	QTY	UNIT	UNIT RATE (USD)	AMOUNT (USD)
	The cost of fulfilling all the requirements of the "Contract Documents" included in the Terms of Reference, General Terms and Conditions of Contract, Specifications, Bills of Quantities, Drawings and any addenda (if applicable) issued during tendering period, and which are not otherwise itemized separately and accounted for in other bills of this document. If the Contractor elects not to price all, or any of the below stated items included in this Bill "General Requirements" it will be assumed that his cost for these same items has been included in the unit rates and/or prices elsewhere in the Bills of Quantities.				
3.1	General Works				
3.1.1	Notice board The rate shall allow for the cost of manufacturing, supplying and erecting aluminum "Project Sign Boards" with reflective sheeting, (Dimensions to be min. 2000mm width x 2500mm height), including all required galvanized poles with breakaway connection, foundations, fixing accessories, required concrete base, painting and marking, complete, complete as specified to the approval of the Engineer.	1	No.		\$ -
3.1.2	Insurance This item shall be paid as a lump sum and the price shall cover, during the contract duration and the defects liability period, the insurance of Contractor's personnel and staff, employer and his representative(s) and all equipment in accordance to the Contract.	1	No.		\$ -
3.1.3	Site Preparation The rate shall include the full mobilization / demobilization of all resources and equipment necessary for the execution and completion of the works. The price shall be paid as a lump sum and the works shall include but not be limited to the following: - Protection of public and private properties - All necessary procedures for the supply and testing of material in conformity with the specifications and as directed by the Engineer, - Temporary works and site protection, watching, fencing and lighting,	1	LS		\$ -
3.1.4	Access to Site	1	LS	Included	

	This item shall be paid on a Lump Sum basis and shall include all necessary equipment or labour for the site access to deliver material needed for the execution of the works. The price shall include for all safety measures and equipment for the safety of labour, equipment and materials. This item shall also include the preparation of a temporary access road to the site(s) if needed to enable access to the building.				
3.1.5	HEALTH AND SAFETY REQUIREMENTS Health and Safety requirements shall be paid as a lump sum and shall include but not be limited to the following: - PPE including safety boots, gloves, safety vests, helmets, masks ... - Safety barriers. - Safety lights, signs and cones. - Firefighting equipment. - First Aid Kit. - Lights during works.	1	LS	Included	
3.1.6	RECORDS AND “AS-BUILT” DRAWINGS The contractor is requested to submit a complete set of the execution drawings for the engineer's approval prior to work. After the work has been completed, the Contractor shall submit “as-built” drawings prepared whilst surveying during construction, showing the Works as constructed together with all other information that may either be required or be useful for the operation and maintenance of the Works in the future.	1	LS	Included	

\$

Total

-

Carried to

\$

Summary

-

BILL B - CIVIL WORKS

ITEM	DESCRIPTION	QTY	UNIT	UNIT RATE (USD)	AMOUNT (USD)
4	Jacketing works				
4.1	Column Jacketing Works includes but not limited to: Surface preparation of existing column, Removal of deteriorated concrete, Installation of additional reinforcement, Installation of shear connectors/dowels, Formwork installation, Casting of new concrete jacket, Curing and finishing, Quality control testing as indicated in the particular specification and as per drawings.	8	No.		\$ -
4.2	Beams and Solid slab Jacketing Works includes but not limited to: Removal of deteriorated concrete,	75	Lm		\$ -

	cleaning and treatment of reinforcement, concrete surface preparation, installation of additional reinforcement where required, application of concrete, repair using structural repair mortar, curing and protection. Works include propping and formworks.				
4.3	Ribbed slab Reconstruction The works include but not limited to: Demolition of existing ribbed slab, removal of all demolished material from site, execution of new ribbed slab as indicated on the drawings, propping and formworks, steel and epoxy works. The demolition plan should be submitted for the engineer approval.	250	m ²		\$ -
4.4	Drop Beams repair Works includes but not limited to: Removal of deteriorated concrete, cleaning and treatment of reinforcement, concrete surface preparation, installation of additional reinforcement where required, application of concrete, repair using structural repair mortar, curing and protection.	0	Lm		\$ -
4.5	Rehabilitation of Damaged concrete surfaces (slabs and balconies) Works includes but not limited to: Removal of deteriorated concrete, cleaning and treatment of reinforcement, concrete surface preparation, installation of additional reinforcement where required, application of bonding agents, repair using structural repair mortar, curing and protection. Installation and removal of scaffoldings.	52	m ²		\$ -
4.6	Rehabilitation of concrete surfaces at the Ground floor works includes but not limited to: cleaning and removal of all waste, surface cleaning using water jet, reinforcement treatment (if exposed), crack repair and joint rehabilitation, concrete patch repair, application of waterproof and protective coatings, curing and quality control.	140	m ²		\$ -
5.1	Mechanical Work				
	Supply and apply and execution of new drainage network in the ground floor, including at least 4 inspection chambers 40x40x40 and minimum 10 cm UPVC pipes. Works include the testing of the new network and connection to the existing manholes at the roadside.	60	LM		\$ -

Total \$ -

Carried to Summary \$ -

Summary

BILL No.	DESCRIPTION	AMOUNT (USD)
A	General Requirements	
B	Civil Works and Mechanical works	

TOTAL AMOUNT (Excluding VAT)

Only (in letters)

.....
.....U.S. Dollars