

ANNEX D- BILL OF QUANTITIES
Lot #3: Ramallah Area & Tubas Schools

Renovation of Ibziq School - Tubas

Item	Description	Unit	Quantity	Unit Price (US \$)	Total price (US \$)
	EXTERNAL WORKS				
1.1	Supply and install galvanized steel mesh fence				
	Supply and install of fence consists of galvanized steel mesh (Ein Jamal) (4x4)cm, 3mm thickness with clear height of 1.2m after the installation. Price to include the (50x50x5) mm black corrugated steel angles every 3m, galvanized steel wire (3mm diameter) every 40cm, the concrete footings and all required materials and works according to the drawings and supervisor engineer's instructions.	M.S.	75		
1.2	Supply and install steel structure canopy for entrance of class rooms and kitchen made of Ascoret sheets (الواح اسكورييت). thickness of 0.6 mm consisting of steel frame of 30*30*3 mm steel tubes (cantilever shape with dimensions (1m*1.5)). Fixed on walls of entrances, price includes all require steel element fixing, and fitting. The price to include also Hammer Finish painting in three coats in addition to two primer coats, and all related works as specifications and Engineer's approval.	no	4		
1.3	Supply and apply waterproofing of elastomeric cementations waterproof coating with a thickness of 2 mm 2 coats with a positive water pressure 7 bar and negative water pressure 3 bar for all surfaces to 15cm above the concrete chamfer. Contractor shall follow the manufacturer's instructions, as per drawing, specifications and engineer approval.	M.S.	65		
Total (US \$) VAT Excluded					

ANNEX D- BILL OF QUANTITIES
Lot #3: Ramallah Area & Tubas Schools

Renovation of Wadi As-Seeq Community – Ramallah

Item	Description	Unit	Quantity	Unit Price (US \$)	Total price (US \$)
1.1	<p>Supply and install galvanized steel structure canopy for shaded made of colored Aloschorit corrugated s 1 mm thick fixed on a skeleton of galvanized steel tube 100 mm in diameter and 5 mm thick in vertical, galvanized steel tubes 100×100 ×5 mm in horizontal, galvanized steel tubes 80×40 ×3 mm in horizontal, purulent of tube 80×40 and 3 mm thick each 70 cm, Price to include all the required steel elements, Aloschorit sheets also reinforced concrete and concrete elements, foundations, excavations, backfilling works, all necessary Aloschorit sheets, fittings and welding elements, The steel should be galvanized wi.th steel zinc coated of minimum 20 micron.</p> <p>The price to include also Hammer Finish painting in three coats in addition to two primer coats, and all related works as per detailed drawings, specifications and Engineer's instructions and approval.</p> <p>Measurements only for Horizontal dimensions of the Canopy only</p> <p>Note : the price include remove existing shed .</p>	M.S.	65		
1.2	<p>Solar System PV-system(off grid)</p> <p>Supply, install, connect and test off grid solar system to produces electric energy covering the annual building electricity consumption, the work must be according to these specifications and drawing which includes, the contractor shall design the systems and detail all specifications of the products intended to be used and note that If there is no concrete surface for the school, the system should be implemented in an appropriate area in the school yard . The price includes all civil works of site adjustment in order to install the metal structure according to the duly and the required angle,</p> <p>The project shall be installed according to specifications and drawings attached in the tender document.</p>	KW	3		
Total (US \$) VAT Excluded					

ANNEX D- BILL OF QUANTITIES
Lot #3: Ramallah Area & Tubas Schools

Renovation of Wadi Salman School – Ramallah

Item	Description	Unit	Quantity	Unit Price (US \$)	Total price (US \$)
1	Supply and install main gate on the land borders according to the drawings and supervisor engineer's instructions. a. With width 4 m , height 2 m	LS	1		
	b. With width 1 m, height 1.5 m	LS	1		
2	Supply and install of fence consists of galvanized steel mesh (Ein Jamal) (4x4)cm, 3mm thickness with clear height of 1.2m after the installation. Price to include the (50x50x5) mm black corrugated steel angles every 3m, galvanized steel wire (3mm diameter) every 40cm, the concrete footings and all required materials and works according to the drawings and supervisor engineer's instructions.	MS	200		
3	Rehabilitation the playground area (with approximate area 300 m2) : the price includes preparing the site, removing all rocks and filling and compaction with base coarse layer (not less than 20cm and gravel (Adaseyah) to adjust the suitable level and to achieve the required slope for water surface discharge. (1%)	LS	1		
4	Solar System PV-system(off grid) Supply, install, connect and test off grid solar system to produces electric energy covering the annual building electricity consumption, the work must be according to these specifications and drawing which includes, the contractor shall design the systems and detail all specifications of the products intended to be used and note that If there is no concrete surface for the school, the system should be implemented in an appropriate area in the school yard . The price includes all civil works of site adjustment in order to install the metal structure according to the duly and the required angle, The project shall be installed according to specifications and drawings attached in the tender document.	KW	3		

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Item	Description	Unit	Quantity	Unit Price (US \$)	Total price (US \$)
5	<p>Artificial grass for playground: Supply, install and fix correctly high quality, European made or equivalent, Olympus artificial grass according to the following specifications:</p> <ul style="list-style-type: none"> • Minimum pile height of (42) mm (including the latex). • Minimum number of stitches is (18,000) per square meter. • Color is green. • Applicant should submit (30x30)cm grass sample attached with its datasheet. • The awarded contractor should submit a 3 years replacement guarantee (written and stamped) for the contract grass quantity. • Contractor should supply and install a black plastic sheets layer (Youta) before the installation of the grass (beneath all grass area). • Contractor should also supply a cleaning tool for artificial grass (two units). • The grass should be fixed to the ground using special pins (nails and rings) with 20cm length every 1.0m at all grass piece edges. • Price to include leveling (excavation in any type of rock/soil, and/or compacted basecourse backfill layer) to the required level. • Price includes supply, furnish, watering and compaction of good quality layer of mixed single size and soft aggregate (برغوثية) with minimum depth of 10cm after compaction under the artificial grass. • Price include but not limited to; transportation, installation, proper and finishing works. • All according to the technical specifications and supervisor engineer instructions. 	MS	300		
Total (US \$) VAT Excluded					

No.	Lot #3: Ramallah & Tubas Schools Lot	Total (US \$)
1	Ibziq School	
2	Wadi As-Seeq School	
3	Wadi Salman School	
Total Works for Ramallah Area & Tubas Schools (US \$) VAT excluded		