United Nations Development Programme-South Sudan

PRICED BILLS OF QUANTITIES FOR CONSTRUCTION OF TORIT PRISON PERIMETER SECURITY FENCING

Main Summary

		Currency
Item No. 1	Preliminaries	-
Item No. 2	Excavations and Earth Works	-
Item No. 3	Concrete Works	-
Item No. 4	Mansonary Works	-
Item No. 5	Metal Security Gate	-
Item No. 6	Miscelaneous Works	-
	10% Contingency	-
TOTAL		-

Tender Amount (in words) …….....……

……..…….....……..…

Name of Tenderer :…….....……...……

Address :……...….....……..……...……
…….....……..……

Signature and Seal :

Witnesses :-

1. Signature : …….....…… 2. Signature : …….....……

Name: …….....…… Name: …….....

Address :……...…...……...…… Address .....……
…….……...…… ……...…….....

PRICED BILLS OF QUANTITIES FOR CONSTRUCTION OF TORIT PRISON PERIMETER SECURITY

SUMMARY

Item	Description	Amount	Amount (Per SQ.M)	Amount %
1	Preliminaries			
2	Excavation and earth works			
3	Concrete works			
4	Masonary works			
5	Metal Security Gate			
6	Miscellaneous Works			
	Summary of Bill Carried to Grand Summary	-		
	10% Contigency			
	GRAND TOTAL	-		
	Total Fence Area (m^2)	**2239.9**		
	Price per SQ. m	-		
	Price per SQ. ft			

Bill of quantities- Construction of Torit Prison Security Perimeter Fencing

Bill number 1

Item	Description	Qty	Unit	Rate	Amount
A	**Bill No : 01 - PRELIMINARIES**				
	Notes				
	Each item in the Preliminaries and General Requirements, which the Contractor wishes to price, shall be priced individually and theContractor shall not enter any lump sum covering more than one item or group of items. Items against which no price is indicated is deemed to have been included in the rates		**Note**		
	The Contractor shall provide with his Tender submission a detailed breakdown of all priced items of Bill No 1, Preliminaries and General Requirements. This breakdown of the items shall be in a format, which also clearly identifies any "Set - Up" costs and time related charges		**Note**		
	The Contractor shall safeguard the Works, materials and plant against damage, loss or injury,including all necessary watching and lighting for the safety and security of the Works and the protection of the public and provide shelter and reasonable accommodation		**Note**		
A1	The contractor shall **provide and maintain temporary sheds for the storage of materials, tools, and tackle and the use of all persons employed on the Site, including temporary sanitary accommodation and facilities.** Those used for the storage of cement and other perishable materials and the like are to be weatherproofed at all times	1	Item		
A2	Allow for **mobilization** i.e plant, machinery, other equipments including his work force etc to the site	1	Item		

	Description	Qty	Unit	Rate	Amount
	Allow for any other item necessary for the proper execution of the works and not listed in the items above *(Please Provide a detailed List below)*	1	Item		
A	**Preliminaries**	**To Summary**			-

Item	Description	Qty	Unit	Rate	Amount
B	**EXCAVATIONS AND EARTHWORKS**				
	Unless other wise stated, Rate shall include for				
	a) back filling with selected excavated material & consolidating. Surface treatment; compaction before filling / foundation.				
	b) disposal of surplus soil as directed & keeping all excavations free from water unless other wise measured separately.				
	c) any additional excavation for working space.				
	Excavation & Earthwork Supports				
B.1	**Clearing and preparation of the site** including removal of existing damaged chain fence and disposed off as directed	690	m²		
B.2	Excavation of trenches for **foundation walls,** .0.7m deep in any material except rock requiring blasting and removal of surplus as directed.	145	m³		
B.2a	Ditto: Columns bases, .0.2m deep	15	m³		
B.2b	Ditto: Wall footing, 0.2m deep	39	m³		
B.3	**Filling & Back filling**				
B.4	Backfill excavated trench with suitable excavated and borrowed materials, depth 700mm. Compact backfill materials in 300mm layers using suitable compaction equipment.	131	m³		
B	**Excavation and Earth Works**	**To Summary**			

	Description	Qty	Unit	Rate	Amount
	CONCRETE WORKS				
	Rate shall include for form work depositing, handling, hoisting into position, vibrating, curing etc. and making good after removal of formwork etc.	Note			
b	Reinforcements are paid separately unless otherwise specified in the item	Note			
c	Rate shall include for supplying and laying of gauge 1000 polythene on ground, where concrete is in direct contact with ground, before pouring concrete unless other wise measured separately.	Note			
	In Situ Concrete				
C.1	Provide 200mm thick, Grade 20 1:2:4 design mix concrete - wall footing	39	m³		
C.1a	Ditto- 200mm thick 1:2:4 design mix concrete- column footing	15	m³		
C.1b	Provide 1:2:4 design mix concrete for 200mm x200mmx344.6m grade beam	14	m³		
C.1c	Provide 1:2:4 design mix concrete for 200mm x200mm bond beam-superstructure	28	m³		
C.1d	Provide Grade 20 1:2:4 design mix concrete for columns(5.15m high)	41	m³		
	Reinforcement				
	Rate to include for supplying, cleaning, cutting, bending, fabricating, placing and the provision of all necessary temporary fixings and supports etc. including binding wires, bends, hooks, tying wires, chairs, distance blocks, steel separators/spacers				
	For steel reinforcement (to BS 4449 and characteristic strength fy = 460N/mm^2) and Mild steel reinforcement (to BS 4449 and characteristic strength fy = 250N/mm^2)				
C.2	Provide high yeild reinforcement bars,T12 for wall footing as per drawing -long direction	606	Kg		
C.3	Provide T12 steel at 300mm o.c for wall footing- short direction	253	Kg		
C.4	Provide T12 steel @ 300mm bothways– column mat	465	kg		
C.5	Provide T12 Steel for 200mmx200mm grade beam	1122	kg		
C.6	Provide T10 stirrups @300 mm o.c for 200mm x200mm grade b	286	kg		
C.7	Provide 4-T12 steel for Conctrete columns (5.35m high)	1660	kg		

C.8	Provide T10 mm stirrups at 300mm o.c-for concree columns	825	kg		
C.9	Provide T12 steel for 200mmx200mm bond beam-superstructure (mid-way and top of wall)	2244	kg		
C.10	Provide 10mm stirrups@ 300 o.c for 200mmx200mm bond beam-superstructure(mid-way and top of wall)	572	kg		
C	**Concrete Works**	**To Summary**			

	Description	Qty	Unit	Rate	Amount
	MASONRY WORKS				
	Rate shall include for lifting, handling, weighting all rough and fair cutting, plumbing angles, normal straight cutting, forming rebated reveals and raking out joints for plastering.				
		Note			
	Masonry Work				
D.1	200 mm Thick solid concrete block walls in cement sand (1:3) mortar in **foundations**	223	m²		
D.2	Provide and install 3.45m high - 100mm x150mm x200mm red brick fence wall with mortar joints	1100	m²		
D.3	Provide and install 100mm x150mmx200mm red bricks wall coping on top of concrete columns as per drawing.	20	m²		
D	**Masonry Work**	**To Summary**			
E.	**HIGH SECURITY METAL GATE**				
E.1	Provide and install double high security sliding gate with 1m side opening for pedestrian along with gate accessories	1	No.		
E	**METAL GATE**	**To Summary**			
F	**MISCELLANEOUS WORK**				
F.1	Provide and install 2-rolls of razor wire -400mm diameter, 9m/roll on top of walls and columns. Fully clip and swage razor wire to angle iron as per manufacturer's specification	78	Rolls		
F.2	Provide and install 40mmx40mmx4mm angle iron as shown on drawing.	180	No.		
F.3	Provide and install aligning link straightening wire for razor wire installation -100m/roll	5	Rolls		
F.3	Provide tie wire, assorted nails, formwork for fence construction, clean site and removal of debris from site	1	L/S		
F		**To Summary**			
	Bill Total to Main Summary				
	Allow for 10% Contingency				
	TOTAL				