



MACHAKOS UNIVERSITY

OFFICE OF THE VICE-CHANCELLOR

Telephone: 254 – (0)708 390 252/(0)735 247939

E-mail: vc@mksu.ac.ke

Website: www.mksu.ac.ke

P.O. Box 136-90100

Machakos

KENYA

REF: MksU/VC/T/48/VOL.I

5th February, 2021

RE: ADDENDUM NO.1 TO THE TENDER NO MksU/W/05/2020/2021 FOR PROPOSED CONSTRUCTION OF TUITION AND OFFICE BLOCK-SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SOLAR PHOTOVOLTAIC SYSTEM

Please refer to the above tender,

We make the following clarifications and amendments to the principal tender document (herein abbreviated as PTD) for Proposed Construction of Tuition and Office Block-Supply, Delivery, Installation and Commissioning of Solar Photovoltaic System for Machakos University.

1. RELATIONSHIP WITH PRINCIPAL TENDER DOCUMENT.

Save where expressly amended by the terms of this addendum, the PTD shall continue to be in full force and effect. The provisions of this addendum shall be deemed to have incorporated in and shall be read and construed as part of PTD.

2. AMMENDMENTS

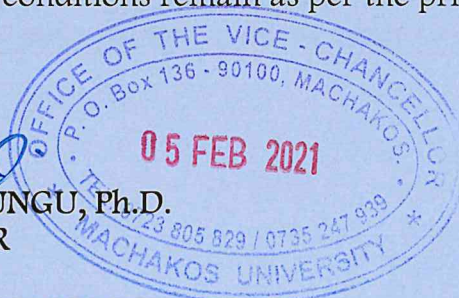
The requirements in the tender document have been amended as follows:

S/N	DESCRIPTION	PREVIOUS DESCRIPTION	NEW DESCRIPTION
1	Bill of Quantities	Omission of the following pages: H-4 H-5 H-6 H-7 H-8 H-9 H-10	Additional of the following pages: H-4 H-5 H-6 H-7 H-8 H-9 H-10

All other terms and conditions remain as per the principal tender document (PTD).


PROF. LUCY W. IRUNGU, Ph.D.
VICE-CHANCELLOR

&
PROFESSOR OF ENTOMOLOGY



BILL 1: CONTRACT PRELIMINARIES (Refer to Section C of This Tender Document)

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
1.1.01	Discrepancies Clause 1.02	1	Item		
1.1.02	Conditions of contract Agreement clause 1.03	1	Item		
1.1.03	Payments clause 1.04	1	Item		
1.1.04	Site location clause 1.06	1	Item		
1.1.05	Scope of Contract Works clause 1.08	1	Item		
1.1.06	Extent of the Contractor's Duties clause	1	Item		
1.1.07	Firm price contract clause 1.12	1	Item		
1.1.08	Variation clause 1.13	1	Item		
1.1.09	Prime cost and provisional sum clause 1.14 (insert profit and attendance which is a percentage of expended PC or provisional sum.)	1	Item		
1.1.10	Bond clause 1.15	1	Item		
1.1.11	Government Legislation and Regulations clause 1.16	1	Item		
1.1.12	Import Duty and Value Added Tax clause 1.17 (<i>Note this clause applies for materials supplied only</i>)	1	Item		
1.1.13	Insurance company Fees clause 1.18	1	Item		
1.1.14	Provision of services by the Main contractor clause 1.19	1	Item		
1.1.15	Samples and Materials Generally clause	1	Item		
1.1.16	Suppliers clause 1.20	1	Item		
1.1.17	Bills of Quantities clause 1.23	1	Item		
1.1.18	Contractor's Office in Kenya clause 1.24	1	Item		
1.1.19	Builder's Work clause 1.25	1	Item		
1.1.20	Setting to work and Regulating system clause 1.29	1	Item		
1.1.21	Identification of plant components clause 1.30	1	Item		
1.1.22	Working Drawings clause 1.32	1	Item		
1.1.23	Record Drawings(As Installed) and Instructions clause 1.33	1	Item		
1.1.24	Maintenance Manual clause 1.34	1	Item		
1.1.25	Hand Over Clause 1.35	1	Item		
1.1.26	Painting Clause 1.36	1	Item		
1.1.27	Testing and Inspection – Manufactured Plant Clause 1.38	1	Item		
1.1.28	Testing and Inspection – Installation Clause 1.39	1	Item		
Total Amount Carried Forward to The Next Page					

BILL 1: CONTRACT PRELIMINARIES (Refer to Section C of This Tender Document)

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
	Brought Forward From Previous Page				
1.1.29	Storage of Materials clause 1.41	1	Item		
1.1.30	Initial Maintenance clause 1.42	1	Item		
1.1.31	Local and other Authorities Notices and Fees Clause 1.60				
1.1.32	Temporary Works clause 1.63	1	Item		
1.1.33	Patent Rights clause 1.64	1	Item		
1.1.34	Mobilization and Demobilization Clause 1.65	1	Item		
1.1.35	Supervision by engineer and site meetings clause 1.67	1	Item	545,664.00	545,664.00
1.1.36	Allow for profit and Attendance for Item	1	Item		
1.1.37	Amendment to Scope of Contract Works Clause 1.68	1	Item		
1.1.38	Contractor Obligation and Employer's Obligation Clause 1.69	1	Item		
Total Amount Carried Forward to Price Summary Page					

Bidders MUST either insert percentage or indicate as NIL for the following clauses:

- (1). Attendance upon Tradesmen, etc. (Insert percentage only) clause 1.%/Month
- (2). Extended Preliminaries (percentage only) Clause 1.66 of Section C%/Month

BILL 2: SCHEDULE No. 1: POWER SUPPLY

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
2.1.01	<p><i>Supply, Install, Test and Commission as per BS 7671:2008 the following as described below:</i></p> <p>LV METERBOARD & SUB-BOARD</p> <p>Free Standing L.V Sub-Board Constructed from Powder Coated, Heavy Gauge, 16SWG, Mild Steel. The board shall be complete with housing space for Cut-Out Fuses & Space for Current Transformers. It shall also be complete with the following:</p> <ul style="list-style-type: none"> i) 1No. 300A Digital Multimeter ii) 1No. 350A 4P Copper Busbars iii) 1No. 300A TP Adjustable MCCB Incomer c/w Shunt Trip iv) 2No. 40A SP MCCB Outgoers v) 17No. 40A TP MCCB Outgoers vi) 1No. 100A TP MCCB Outgoer vii) 5No. TP Spareways viii) 42 kVAr Automatic Stepped P.F Correction Bank, complete with Capacitors, MCCB, Contactors, P.F Regulator & All other associated items & accessories. 	1	Item		
Total Amount Carried Forward to Next Page					

BILL 2: SCHEDULE No. 1: POWER SUPPLY

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
	Brought Forward From Previous Page				
	<i>Supply, Install, Test and Commission as per BS 7671:2008 the following as described below:</i>				
2.1.02	Earthing of Meterboard comprising of Copper Earth Electrode 1500 mm. long and 15 mm. diameter enclosed by a 300 x 300 x 450 mm. Concrete Manhole with Cast Iron Cover complete with a 38 mm. diameter PVC Heavy Gauge Conduit to house 16 mm. sq. cable. bonded to Item 1.1.01 above.	1	Item		
2.1.03	200 x 200 x 75 mm. Heavy Gauge galvanized Steel Adaptable Box for Power Cables	16	No.		
2.1.04	100 mm. Ø H.G PVC DUCTS	300	LM.		
2.1.05	Trenching to a minimum depth of 700 mm, Laying, Sifting, Tiling, Back Filling and Compacting to Ground Level for Cables to the All Blocks.	300	LM.		
2.1.06	600 x 600 x 600 mm deep Manhole Complete with Cast Iron Cover.	10	No.		
2.1.07	Hatari Concrete Tiling Buried 400 mm underground for Item 1.1.05.	1	Lot.		
2.1.08	Fireman's Switch Circuit completely wired in 2 x 2.5 mm sq. heat resistant screened cables drawn in 20 mm Ø concealed Heavy Gauge PVC Conduits including all accessories excluding the switch.	100	LM.		
2.1.09	Fireman's Switch complete with Fire Resistant Housing.	1	No.		
Total Amount Carried Forward to Summary Page					

BILL 2: SCHEDULE No. 2: SOLAR PV SYSTEM

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
	<i>Supply, Install, Test and Commission as per BS 7671:2008 the following as described below:</i> SOLAR PV SYSTEM				
2.2.01	Solar Panel C/W Mounting Frame and complete with interwiring and combiners as described in the Particular Specifications.	333	No.		
2.2.02	Inverter C/W Charge Controller as described in the Particular Specifications.	2	No.		
2.2.03	Batteries complete with interwiring to the Charge Controllers and as described in the Particular Specifications.	1	No.		
2.2.04	System Monitoring as described in the Particular Specifications	1	Item		
2.2.05	Suitably Sized Manual Bypass for the System.	1	Item		
2.2.06	Allow for Interwiring to the L.V Meter Board	1	Item		
Total Amount Carried Forward to Summary Page					

BILL 3: SCHEDULE No. 1: PROVISIONAL SUMS

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
3.1.01	Provisional Sum for Contingency	1	Item	2,000,000.00	2000000.00
Total Amount Carried Forward to Summary Page					2,000,000.00

MU

SOLAR PHOTOVOLTAIC WORKS

MACHAKOS

MAIN SUMMARY PAGE

ItemNo.	Description	Amount(KShs)
1.00	Bill No. 1 Contract Preliminaries	
2.00	Bill No. 2 Schedule No. 1 Power Distribution	
3.00	Bill No. 2 Schedule No. 2 Solar PV	
4.00	Bill No. 3 Schedule No. 1 Provisional Sums	2,000,000.00
	Total Amount for Solar Photovoltaic Works Carried to the Form of Tender	

AMOUNT IN WORDS

Kenya Shillings

.....

Bidder's Official Stamp

P.O. Box.....

Signature.....

PIN.....VAT.....

414