



Kenya Power

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Our Ref: KP5/9A/3/10/OT/03/23-24/DN/rn

25th January, 2024

To all bidders

RE: ADDENDUM NO.1 TO TENDER NO. KP5/9A/3/10/OT/03/23-24 FOR THE PROCUREMENT OF CONSTRUCTION OF A TRANSPORT WORKSHOP WORKS AT KIGANJO, MT. KENYA REGION

Please refer to the above Tender.

We make the following clarifications and amendments to the Principal Tender Document (*hereinafter abbreviated as the PTD*) for the procurement of construction of a transport workshop works at Kiganjo, Mt. Kenya Region.

1. RELATIONSHIP WITH THE 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 been incorporated in and shall be read and construed as part of the PTD.

2. CLARIFICATION OF TENDER

(i) COVER PAGE

The date on cover page should read January 2024.

3. BILL OF QUANTITY FOR OFFICE BLOCK

The bill of quantities for office block is attached herewith.

4. EXTENSION OF CLOSING DATE

The tender closing date is hereby extended **from 31st January, 2024 to 7th February, 2024 at 10.00 am.**

All other terms and conditions remain as per the Principal Tender Document (PTD).

Yours faithfully,

FOR: THE KENYA POWER & LIGHTING COMPANY LIMITED

DR. JOHN NGENO, OGW
GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS

BILL OF QUANTITY FOR OFFICE BLOCK

PROPOSED KIGANJO TRANSPORT WORKSHOP & OFFICE BLOCK					
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	- <u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
A	- Excavation for strip footing trenches commencing stripped level n.e. 1.5 m deep	46	CM		
B	- Load cart away surplus excavated material away from site and dispose to areas designated by county council.	29	CM		
C	- Return, fill and ram selected materials around foundations.	17	CM		
	- <u>Diposal of water</u>				
D	- Keeping all excavations free from all water including spring or running water	1	Item		
	- <u>Planking and strutting</u>				
E	- Uphold the sides of all excavations	1	Item		
F	- Hardcore filling in making up levels, hand packed, 300mm thick in layers of 150mm maximum thickness	114	SM		
G	- 50mm (average) thick quarry dust blinding to surfaces of hardcore	114	SM		
	- <u>Antitermite treatment</u>				
H	- Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	114	SM		
	- <u>Concrete</u>				
	- <u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
I	- Strip footing	12	CM		
J	- 150mm thick bed	114	SM		
	- <u>Reinforcement</u>				
	-				

	<u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u>				
K	- In assorted reinforcement of various sizes <u>Fabric; B.S. 4483</u>	120 0	KG		
L	- Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks - - -	114	SM		
Total Carried to Collection					
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>Walling</u>				
A	200 mm thick natural stone foundation walling bedded in c/s mortar including hoop iron in alternate courses	86	SM		
	- <u>Sawn formwork to insitu concrete as described:-</u>				
B	To sides; vertical or battering of foundations	38	SM		
C	Edges of ground floor slab; 75 to 150mm wide	60	LM		
	<u>Damp proofing</u>				
D	Polythene sheet; 1000 gauge, 200mm weltd laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	114	SM		
E	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	96	LM		
F	Ditto but 100mm	10	LM		
	<u>Insitu Finishings</u>				
	-				
G	15mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	43	SM		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats bituminous paint to:</u>				

H	- Wood floated rendered plinths over 450mm girth	43	SM		
	<u>RC SUPERSTRUCTURE</u> <u>In situ concrete; reinforced; class 20 / (20mm); vibrated</u>				
I	- Beams	6	CM		
	- <u>Reinforcement</u> <u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u>				
J	- In assorted reinforcement of various sizes	600	KG		
	<u>Sawn formwork to insitu concrete as described:-</u>				
K	- To sides and soffits of beams	77	SM		
	<i>Total Carried to Collection</i>				
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>WALLING</u> <u>Precast concrete grade 20(12mm aggregate) including formwork, finishing fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing in cement and sand (1:3) mortar</u>				
A	- WINDOW CILL; 250 x 50 mm extreme height; once weathered; once throated; reinforced as necessary for handling; surface fair finish 275 mm girth; bedding, jointing and pointing in cement sand (1:3) mortar	33	LM		
	<u>MACHINE CUT STONE WALLING</u>				
B	200 mm thick approved local; machine cut stone walling; bedding, jointing and pointing in cement sand (1:3) mortar	220	SM		
C	100mm thick ditto	20	SM		
D	Extra over horizontal pointing in av. 18mm thick square tube in cement and sand (1:3) mortar; one coat of bituminous paint.	220	SM		
	<u>ROOFING CONSTRUCTION, COVERING AND RAIN WATER DISPOSAL</u>				
	-				

	<u>Roof covering.</u>				
	- <u>Pre Painted BP IT5 iron sheets; 28 gauge</u>				
E	Roof covering; 150mm laps both sides; and fixing to cypress timber purlins (ms) on cypress timber trusses (m/s) at 1200mm c/c all laid to fall at 22.5 ⁰	221	SM		
	<u>Accessories, fixing as necessary to roof sheets</u>				
F	Av. 5000 mm wide ridge cap	26	LM		
	<u>Supply & fix the following in wrot cypress</u>				
G	100x75mm sawn treated celcured cypress rafters	136	LM		
H	Ditto struts and ties	160	LM		
I	Ditto tie beam	96	LM		
J	Ditto wall plate including fixing bolts to ring beam	50	LM		
K	100x50mm purlins	250	LM		
L	50x50mm in brandering	600	LM		
M	- 200 x 25mm thick fascia	70	LM		
N	Approved eaves timber boarding or any other equal and approved ceiling board secret fixed to and including 50 x 50mm celcured wrot cypress bearers or brandering at 600mm centres	60	SM		
	-				
	Total Carried to Collection				
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>RAINWATER DISPOSAL</u>				
	<u>The following in heavy duty uPVC, corrosion and heat resistance</u>				
A	- 200mm diameter uPVC gutter including gutter joint bracket, bracket, twin recessed thermo rubber seals, clip lock, joints in the running length fixed to fascia board with and including gutter support brackets at approved centers	51	LM		

B	Extra; for 100mm diameter outlet; 100mm long	4	NO
C	100mm diameter rainwater downpipe fixed with and including downpipe clip and connectors at 900mm centres, plugged and screwed to wall	18	lm
D	Extra; swan neck bend with 1135mm projection	4	No
E	Extra; horse shoe bend encased in concrete surround	4	No
<u>Painting and Decorations</u>			
<u>On Woodwork</u>			
<u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>			
F	Fascias and barge boards; 200 to 300mm girth; external	70	LM
<u>DOORS</u>			
<u>METAL WORK - PURPOSE - MADE UNITS</u>			
<u>Mild steel casement doors; 100 x 50 x 3mm thick frame plugged to concrete or blockwork with 100mm long fishtailed 25 x 25 x 2mm thick angle section, 50 x 50 x 3mm thick angle section frames at 300mm centres both sides, angles cut, mitred and welded; panels infilled with glazing (m/s), one coat manufacturer's primer, complete with all necessary ironmongery; all welding ground to smooth finish</u>			
G	Single door; 1000 x 2400mm high, complete; including purpose made hinges	2	No.
<u>Prepare and apply three coats of gloss paint to:-</u>			
H	Metal surfaces girth exceeding 300mm	20	SM
<u>TIMBER DOORS</u>			
<u>Wrot mahogany framings</u>			
I	200 x 38 mm; 4 No. labours; plugged door frame	57	LM
J	100 x 38mm architraves with 4 No. labours	104	LM
K	38 x 38mm quadrants with 3 No. labours	104	LM

	<u>50mm Thick solid core flush doors to B.S 459: part 2 with quality mahogany facing and lipped on all edges in mahogany</u>				
L	Door; overall size 900 x2100 mm high	10	NO		
M	6mm thick clear sheet glazing fixed light including timber biddings as necessary	1	SM		
	<u>Iron mongery</u> <u>Supply and fix the following to 'UNION' catalogue or other equal and approved</u>				
N	Three lever mortice lock complete with set lever brass handle furniture	3	NO		
P	100mm brass butt hinges	12	PRS		
Q	Rubber door stop complete with 38 mm rawl bolt	10	NO		
R	Indicator bolt	10	NO		
	Total Carried to Collection				
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>Painting and Decorations</u> <u>On wood</u> <u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
A	- Backs of frame, board, etc over 100mm but not exceeding 200mm girth	161	LM		
	<u>Knot, prime and stop; prepare and apply polyurethane clear varnish</u>				
B	- General surfaces of timber doors over 300mm girth; external	40	SM		
C	- Frames; over 100mm but not exceeding 200mm girth; internal	210	LM		
	<u>WINDOWS</u> <u>Vertical blinds</u>				
D	Supply and fix high quality fabric "Vanetian" window curtain blinds or equal and approved 1700mm high including 25 x 25mm pvc tracks secured to 50x25mm timber fixed to concrete and/or masonry all complete with necessary accessories	20	LM		

MILD STEEL WINDOW CASEMENT

Mild steel casement windows;to details as directed in

E	Size 4000 x 1500 mm high	3	NO
F	Ditto size 3000 x 1500 mm high ditto	2	NO
G	Ditto size 2100 x 1500 mm high	3	NO
H	Ditto size 1500 x 1500 mm high	1	NO
I	Ditto size 1200 x 900 mm high	3	NO
J	Ditto size 600 x 900 mm high	6	NO

Glazing

Sheet glass panes over 0.5 but not exceeding 0.5 square meters; fixing rubber ligning

K	5mm thick clear glass sheet	41	SM
L	Ditto but obscure	4	SM

Grills

High tensile steel burglar proof bars at 150mm cross centres horizontal and vertical; ends lugged in masonry; Approved KPLC grill corporate design.

M	25x25mm SHS welded and ground smooth to approval.	45	SM
N	Supply & fix approved brass window stay	26	NO
P	Ditto window fastener	20	NO

	Total Carried to Collection				
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>FINISHES</u>				
	<u>Wall finishes</u>				
	<u>In situ finishes</u>				
	-				
	<u>Render; 15mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
	-				
	<u>Beds and backings</u>				
A	Beams ; external	25	SM		
B	15mm thick walls internal to receive wall tiles (ms)	100	SM		
	<u>Plaster; 18mm thick, 2 No. coatwork, 15mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base generally to: -</u>				
	-				
C	Walls, beams; internal	240	SM		
	<u>Painting and decorations</u>				
	-				
	<u>Prepare and apply one undercoat and three coats of first quality silk vinyl paint to: -</u>				
D	Plastered surfaces	240	SM		
E	300x200x6mm thick ceramic matt finish wall tiling as "SAJ CERAMICS" or equal and approved including approved border tile and grouting in matching colours	100	SM		
	<u>Floor finishes</u>				
	-				
	<u>Cement sand screed with approved colour.</u>				
F	32mm thick cement sand backing to receive tiles	114	SM		
G	400x400x8mm thick ceramic non-slip floor tiling as "SAJ CERAMICS" or equal and approved including grouting	114	SM		
H	Ditto in 100mm wide skirting; rounded junction with wall finish, coved junction with floor finish	80	LM		

J	Aluminium corner strip	80	LM		
	<u>Ceiling finishes</u>				
	<u>Wrot cypress</u>				
K	150 x 25mm moulded cornice	60	LM		
	<u>PLAIN SHEET FINISHINGS</u>				
	<u>Chip board</u>				
L	12mm thick chip board fixed to brandering including 3 no inspection doors as necessary	114	SM		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
M	To wood surfaces not exceeding 100mm girth	60	LM		
N	Chip board surfaces	114	SM		
Total Carried to Collection					
ITEM	<u>DESCRIPTION</u>	QT Y	UNI T	RAT E	AMOUN T
	<u>PLUMBING AND DRAINAGE</u>				
	<u>Supply and fix</u>				
A	20mm diameter PPR pipe including all necessary excavation, disposal and refiling, chasing in wall and making good and all associated pipe jointing fittings both in rising main, supply and overflow	100	LM		
B	Ceramic wash-hand basin as twyfords or equal and approved complete with mixer tap, waste out plug&chain and pedestal	4	NO		

C	Ditto water closet ditto suite comprising pan, heavy duty plastic seat & cover, ceramic cistern, flush pipe,	4	NO
D	1450x520mm SB DD stainless steel sink complete with kitchen mixer tap, waste out plug & chain	1	NO
<u>Urinal</u>			
E	Twyfords clifton or equal and approved range of 3 (three) consisting of cistern, pipework for range of 3 urinal bowls, twyford dome shape waste, twyford urinal divider	1	NO
F	Wall mounted clear jumbo tissue holder	4	NO
G	Ditto 1 (one) litre clear and single chamber soap dispenser	4	NO
H	Stainless steel standard grab bars	6	NO.
<u>Drainage</u>			
J	Manhole overall size 600x600x1000mm deep average including all necessary excavation, disposal and backfilling; 150mm thick block walling, plaster, heavy duty CI cover, concrete base and haunching as necessary	5	NO
K	110mm diameter uPVC golden brown drain pipe ditto, and mass concrete surround	60	LM
L	Allow for testing and connection to the existing sewer system		ITEM
<u>Lofty Tank</u>			
M	Supply and install 920 litres cold water plastic rectangular size 1270x1270x520mm high including approved float switch hoisting into position and all necessary decking in the ceiling space.	3	NO
N	Ditto 10,000 Litres ditto cylindrical ground mounted including concrete base as directed	1	NO
<u>The following in High Level Timber Kitchen Cabinet Overall size 4000x300x800mm (LxDxH) supplied and fixed :-</u>			
P	50x25mm thick Plugged mahogany support	4	LM

Q	20mm thick "PG Bison" boards or equal and approved in sides and partions including cutting and joinery	10	SM		
R	25mm thick solid single panel mahogany cabinet door size 415x800	13	NO		
S	Ditto size 500x500	1	NO		
T	Ditto size 500x750	1	NO		
U	Ditto size 500x650	1	NO		
	<u>Iron Mongery</u>				
	<u>Supply & fix:-</u>				
V	Approved chrome cabinet door pull handles	24	NO		
W	Approved self-close cabinet hinges	24	PAIR		

Carried to Collection

ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	<u>The following for Low level Cabinets; Aver.2400L x 600W x 800 mm high</u>				
	<u>Concrete</u>				
A	Plinth construction; 1:3:6 mass concrete as described in 100mm thick high plinth	2	SM		
B	100mm thick Vibrated Reinforced concrete 1:2:4(Class 20/20) in kitchen Worktop	2	SM		
	<u>Dump proofing</u>				
C	150mm wide bituminous felt DPC bedded in cement sand mortar (1:4)under the walls.	2	LM		
	<u>Walling</u>				
D	100mm thick natural stone walling;dressed,bedded and jointed in cement sand (1:3) mortar; reinforced with hoop iron at alternate courses	2	SM		
	<u>Sawn timber form work to :</u>				
E	Soffit of suspended slab.	2	SM		
F	Edges of worktop 75-150mm girth	3	LM		

High tensile ribbed bars BS 4461 as described in :

G	D8	10	KG
H	20mm thick polished granite slab ground smooth fixed to Kitchen worktop	2	SM

External Works

Gate:-

J	Fabricate and fix double-leaf gate overall size 6000x2400mm high in mild steel SHS framing size 40x40x3mm thick and G12 M.S. plate raised panel infills; hung at three points both sides in metal lugs built into concrete columns including padbolts, towerbolts and means of securing as necessary and apply 2 coats red-lead oxide primer before fixing and 3 coats of gloss oil paint first quality to the client's approval including demolition of existing wall and 2 newncolumns for the gate as directed	1	NO
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Landscaping as Directed on site:-

K	Excavate oversite not exceeding 200mm deep to remove vegetation, turf and debris, loosen top soil	40	SM
L	Supply and lay 150mm thick red (top) soil mixed with approved manure in the ratio of 3:1, well water and prepare ground for planting (ms)	50	SM
M	Supply and plant "Kikuyu" grass seedlings at 100mmcentres both ways, well water and maintain until established	20	SM
N	Ditto approved " Ground cover" and/or "Creeper" plants at positions and spacings to be directed, ditto	30	NO
P	Prepare hole, supply and fill with soil:manure 3:1, provide and plant approved shrubs as and where directed, provide shade and cover, well water and maintain until established	20	NO
Q	Ditto and plant approved tree ditto	6	NO

	<i>Carried to Collection</i>				
ITEM	<u>DESCRIPTION</u>	QTY	UNIT	RATE	AMOUNT
	COLLECTION				
A	Collection from Page 1				
B	Collection from Page 2				
C	Collection from Page 3				
D	Collection from Page 4				
E	Collection from Page 5				
F	Collection from Page 6				
G	Collection from Page 7				
H	Collection from Page 8				
	Total for office block carried to Grand summary				