

KENYA ELECTRICITY GENERATING COMPANY PLC

RFX 5000008661

TENDER FOR SUPPLY OF CLUB EQUIPMENT AND COMPLETION OF LAUNDRY HOUSE

KGN-SONDU-020-2021

(PLWD Enterprises)

17th December 2021

Addendum 2

In accordance with the tender for "Tender for Supply of Club Equipment & Completion of Laundry House" KenGen hereby issues Addendum 2 as follows;

I. Revised Bill of Quantities

Replace the Bill of Quantities (BoQ) on the bid document with the one provided herein.

	BILL OF QUANTITIES FOR CHANGING ROOF	M SOND	U POWI	ER STAT	ION
Item	DESCRIPTION	Unit	Qty	Rate	Amount
	ELEMENT 01 Substructures Works				
	Site Clearance.				
Α	Clear the site remove all the paving slab, sands cart away as directed.	SM	40		
В	Remove topsoil average 200mm deep and cart away as directed by the Employer Representative	SM	40		
	Excavations including maintaining and supporting sides and keeping, free from water, mud and fallen material				
Α	Excavate trench for foundation not exceeding 1.50 M deep, starting from reduced levels	CM	22		
В	Ditto: but column footing.	CM	5		
	<u>Disposal</u>				
E	Return, fill and ram selected excavated material around foundations.	СМ	34		
F	Remove and cart away from site surplus excavated material as directed	СМ	50		
	Natural stones (Quarry): in cement mortar (1:3): Including hoop iron in every alternate course				
G	200mm walls	SM	13		
	Hardcore or other approved filling, as described				
Н	300mm thick well compacted hardcore filling	СМ	12		
I	50 mm thick quarry dust blinding layer to receive surface bed.	SM	40		
	Anti-termite treatment				

J	Chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core.	SM	40	
	<u>Damp-proof membrane</u>			
К	500-gauge polythene or other equal and approved damp- proof membrane, laid over blinded hardcore (measured separately) with 300mm side and end laps (measured nett-allow for laps)	SM	40	
	Plain concrete class Q(1:3:6)in			
L	50mm blinding under foundations trench and footings.	SM	14	
	Reinforced concrete class (20) as described, in:-			
М	Foundations	CM	2	
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks;			
0	Tor Y12 reinforcement bar	KG	250	
Р	Ditto: but Y10	KG	150	
Q	Ditto: but Y8	KG	100	
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured net - allow for laps)			
R	Fabric ref. A142 weighing 2.22kg/ sq. metre, in surface bed.	SM	40	
	Sawn formwork to insitu concrete as described:			
S	To edge of slabs over 75mm but not exceeding 150mm girth	LM	35	
	Damp-proof courses, as described, to walls			
Т	150mm wide.	LM	30	
1	-			

	TOTAL FOR ELEMENT NO I: SUBSRTRUCTURE WORKS C/F			
	FI FAFNT NO 2			
	ELEMENT NO 2:			
	REINFORCE CONCRETE FRAME.			
	Reinforced concrete class (20) as described, in:-			
Α	Ditto: column	CM	I	
В	Ditto: ring beam	CM	I	
С	Ditto: top roof slab and edge ring beam	CM	20	
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks			
D	8 mm diameter bars	KG	180	
E	10mm diameter bar	KG	1080	
F	I2mm diameter bar	KG	810	
	Sawn formwork to institu concrete as described: -			
G	Sub-columns in foundation and vertical sides of the column	SM	20	
Н	Ditto: but sides and soffit of ring beam	SM	50	
K	Props to the support of soffit formwork	LM	55	
	TOTAL FOR ELEMENT NO 2: REINFORCEMENT CONCRETE FRAME			
	ELEMENT NO.3			
	<u>WALLING</u>			
	Walling in machine dressed stone Including hoop iron in every alternate course			
	obtained from an approved source, bedded and jointed in gauged mortar (1:3)			

Α	200mm thick block walling.	SM	55	
В	Ditto: but 150mm partition include top edge slab.	SM	10	
			10	
D	16 gauge welded wire mesh	SM	33	
	200 mm wide mahogany wall plate to hold welded wire			
E	mesh	LM	50	
	Wall finishes			
	15 mm rough and tough gauged cement, sand gyprock (1:1:3) render with wooden float finish.			
		C) 4		
С	Block surfaces externally	SM	55	
	15mm gauged cement, sand and plaster (1:3) render, smooth finished with steel float			
	STHOOTH JUNISHED WITH STEEL HOOT			
D	Block surfaces internally	SM	55	
	Prepare and apply one undercoat and two finishing coats first quality sadolin weather-guard or other equal and approved emulsive paints on:			
Е	Rendered surfaces externally and internally	SM	110	
	_			
F	Ditto: but KenGen grey color skirting in external wall	SM	15	
	TOTAL FOR ELEMENT NO 3: WALLING			
	ELEMENT NO 4.			
	<u>FINISHES</u>			
	Flagge Guight and (Tiles Guighter)			
	Floor finishes (Tiles finishes)			
	Cement sand (1:3) screeds, backings beds etc.			

Α	32mm bed finishes to receive coloured terrazzo(m,s)	SM	40	
В	Supply and fix 12mm thick size coloured terrazzo	SM	72	
С	Ditto:100mm wooden mahogany skirting at the edges of the wall in the internal wall	LM	30	
	TOTAL FOR ELEMENT NO 4: FINISHES			
	ELEMENT NO 5			
	WATER TANK AND RAINWATER GOODS			
Α	Supply and fix 110 semi dia plastic gutters fixed with and including straps at 900 mm centres, plugged, and screwed to wall or fascia /verge board	LM	25	
В	I I 0mm dia. plastic Rainwater down pipe fixed with and including plastic straps at 900mm centers, plugged and screwed to wall	LM	18	
	Extra; swan neck bend	NO	2	
С				
D	Extra; horseshoe bend	N0	2	
D	Supply and fix 2500LTS water tank at the top of the slab include pipe works fittings and all necessary accessories. TOTAL FOR ELEMENT NO 4: WATER TANK	NO	I	
	AND RAINWATER GOODS			
	ELEMENT NO 6.			
	WINDOWS AND DOORS(OPENINGS)			
	Precast concrete class 20 fair faced all exposed surfaces bedded and jointed in cement and sand(1:3)mortar.			

Α	600x 275x175 mm thick precast concrete window cill weathered and throated reinforcement as necessary finished including hoisting and bedding in cement and sand (1:3) mortar.	LM	14	
	Supply, assemble and fix the following purposed-made standard 25mm "Z" section small pane steel windows to comply to B.S. 990, obtained from an approved manufacturer primed with red oxide primer before delivery to site complete with hinges, handles, catches and building in lugs. All windows comprise 25mm high permanent vents with 2 layers of 1 & 5mm mosquito gauze and 14x14mm steel bars as grilles welded to approved pattern			
В	Window overall size 1500X1200mm high	NO	5	
С	Ditto: but size 600X600mm high	NO	2	
	Burglar proofing			
D	R16 bars in approved pattern welded on window frames spacing not exceeding 200mm either direction	SM	12	
	Glazing			
	5mm Ordinary quality clear sheet glass and glazing to metal with metal sprigs and putty, in panes over 0.1 but not Exceeding 0.50 square meters	SM	10	
Е	Ditto: but obscure glazing	SM	2	
	<u>Painting and decorations</u> <u>prepare and apply one undercoat and two finishing gloss oil</u>			
	paint to			
	General surface of metal (windows) internally and externally	SM	6	
	<u>DOORS</u>			
_	In Wrot Mahogany	1.54	20	
Α	20x20mm quadrant beading	LM	30	

F	Rubber door stop to concrete floor Painting and decorating	NO	2	
E	3 lever mortise lock complete with lever brass furniture	NO NO	2	
	Ironmongery Take delivery and fix only the following ironmongery with matching screws			
D	50mm thick solid panelled doors to BS 459: part 2, faced both sides with 6mm mahogany panelled veneer and lipped on all edges in hardwood, including all planted mouldings 50mm thick solid panelled mahogany door size 900X2100.	NO	2	
С	75x25mm architrave with two labours, plugged 150x50mm frame with two labours, plugged	LM LM	25	

	ELEMENT NO 7.			
	PLUMBING AND DRAINAGES WORKS			
A	Supply and fix ceramic water closet (WC) complete with ceramic cistern include all fittings and accessories ready to function (top press double chrome button cistern type that is joined with water closet as one assembly)	NO	2	
В	Supply and fix vertical chrome stainless overhead shower (rectangle shower plate) complete with its assembly, with double knobs water mixer tap for hot water and cold water, include down tap and body spray shower combined as one assembly.	NO	2	
С	Supply and fixed modern wash hand basin with bottle trap cover stand type(pedestal) include shiny chrome stainless taps(long nose J-bend type), bottle trap, top wash mirror fix in a position and all necessary accessories fittings.	NO	2	
E	Supply and fix ceramic urinal bowls (large size) complete with chrome push water button, dividers and all necessary fittings to men's washroom.	NO	2	
F	Provide a prime cost sum for Plumbing and Drainage installations, plumbing elements not limited to installation of water pipes (PPR) include fittings, wastewater pipes (PVC) and vent pipes, construction of two manholes and gulley trap as illustrated in the drawing approval by Employer representative including connecting to the nearest sewer line as directed by employer representative.	ITEM	I	
D	Allow for prime cost sum to demolish the existing working top.	ITEM	I	
E	Supply and fix ceramic/equivalent washing sink. To be approved by Employer Representative	NO	3	
F	Supply and fix granite top on the working top	SM	4	

	TOTAL FOR ELEMENT NO 7 : PLUMBING AND DRAINAGES WORKS			
	ELEMENT NO 8.			
	ELECTRICAL WORKS			
	<u>Consumer unit/distribution board</u>			
Α	Supply and fix 4way SP/N consumer unit flush mounted on wall complete with 100A SP/N integral isolator as CRABTREE or approved equivalent include single pole miniature circuit breakers fit in the consumer unit as required	NO	I	
	Socket outlets and power points			
	Supply and fix socket outlet points comprising wiring in 3 X 2.5mm2 SC-PVC-CU cables in concealed in 20mm diameter HG pvc conduits.			
В	Single switch socket	NO	4	
С	Twin switch socket	NO	4	
	Lighting points			
	Light point wire in 3X I.5mm2 SC-PVC-Cu cable drawn in 20mm diameter HG PVC conduits concealed inside ceiling complete with all necessary accessories			
D	One-way switch	NO	2	
E	Two-way switch	NO	2	
	10Amoulded ivory switch plates as Crabtree or approved equivalent as follows.			
F	One gang one way	NO	5	
G	One gang two way	NO	2	

н	Provide prime cost sum to cater for lighting fittings complete with fittings accessories lamps, include instant shower heater(3No.) security lightings (2 number), pvc conduit piping's, supply and fix sub main cables include conduiting, four core 16mm ² main supply cable and all necessary fittings and accessories as applied.	SUM	I	
I	Supply and install automatic sensor electric hand drier to gents and ladies washrooms complete with all electric fittings and accessories.	NO	2	
	TOTAL FOR ELEMENT NO 8: ELECTRICAL WORKS			
	ELEMENT NO 9.			
	WALKWAY AND PAVED AREAS			
Α	Provide 100mm thick crusher run base, including leveling as necessary to the walkway and the surrounding of changing room	SM	38	
	Supply and fix concrete block paving (as per manufacturers specifications and approved)			
В	Medium duty loading slabs size (600X600) mm minimum laid and jointed together in cement sand mortar.	SM	38	
	TOTAL FOR ELEMENT NO 9: WALKWAY AND PAVED AREAS.			
	ELEMENT NO 10. JOINERY WORKS			
	JOHNER I WORKS			
A	Supply, fabricate and install particle board high and low level cabinets including all necessary accessories {See schedule and details }	N0	18	
- 1		. 10		

В	Fabricate and install front service counter {see detail and schedule}	NO	I	
	TOTAL FOR ELEMENT NO 10: JOINERY WORKS			
	ELEMENT NO 11.			
	ROOF CONSTRUCTION.			
	In sawn treated cypress Grade 2			
	Common timbers			
	_			
Α	I50x50mm rafters	LM	230	
В	150x50mm purlins	LM	150	
	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at			
С	750mm centres	LM	50	
	<u>In wrot cypress</u>			
	225 20 (;	1.54	45	
D	225×38mm fascia or verge board	LM	45	
	T.O.C. 1. 15			
	T & G eaves boarding			
E	T &G tounged and grooved eaves boarding in strips on and including all necessary brandering to manufacturer specification and with wooden vents along eaves at 2000mm centres and with wooden vents along eaves at 2000mm centres	SM	45	
	<u>In wrot cypress</u>			
F	25mm quadrant beading	LM	25	

	'Clay' roof tiles covering on and including 50x25mm			
	pressure impregnated sawn cypress battens at 300mm			
	centres, all in accordance with the manufacturer's			
	instructions			
	-			
	Roof covering not exceeding 45 degrees from the			
G	horizontal including all necessary fixtures	SM	110	
Н	Thermal insulation sheet (Sisalation)	SM	110	
	28 Gauge galvanised steel sheet shaped as required	LM	30	
	300mm girth twice bent flashing with one end chased			
I	and grouted to wall in cement and sand mortar	LM	20	
	Roof drainage (provisional)			
	_			
	28 Gauge galvanised steel sheet shaped as required			
	200x100mm pressed steel Box gutter with hammerite			
	finish (m.s) including joints in running length fixed to			
	fascia board with and including brackets at rafter	1.54	25	
	centers	LM	25	
	100x100mm pressed steel square downpipe with			
	hammerite finish (m.s) fixed with and including mild	1.54		
	steel holderbats plugged and screwed to walls	LM	6	
	SUMMARY			
	A) SUBSTRUCTURE WORKS			
	7. JOSSINGOTONE TTONICO			
	B) REINFORCE CONCRETE FRAME			
	C) WALLING			

D) FINISHES TILES		
E) WATER TANK, DROP DOWN PIPES, LADDER AND HANDRAIL		
F) WINDOWS AND DOORS(OPENINGS)		
G) PLUMBING AND DRAINAGES WORKS		
H) ELECTRICAL WORKS		
I) WALKWAYS AND PAVED AREAS.		
J) JOINERY WORKS		
K) ROOF CONSTRUCTION		
Total Completion of Laundry (Carried to Main		
Summary)		

ELEN	1ENT 12: CLUB EQUIPMENT				
tem	Description	Qty	Unit	Rate	Total
				Kshs	Kshs
I.	Electric Stainless Steel Double Deck oven				
	Electric Stainless Steel Double Deck oven, Trays (600*400mm) on each Deck stone (mullite) base plate, independent deck control with top and bottom heat control per deck and a door window to view bake. Dimensions 330*840*1340mm. (attach brochure)		No		
2.	30kg Stainless Steel potato peeler				
	30kg Stainless Steel potato peeler preferably with a side motor, 1500W, 220V Dimensions 850 X 530 X 800mm. (attach brochure)		No.		
3.	Roll Top window Chaffing Dishes				
	Roll Top window Chaffing Dishes – Single Compartments with deep 10cm inserts (attach brochure)	4	No.		
4.	Roll Top Chaffing Dishes				
	Roll Top Chaffing Dishes – 2 Compartments with deep 10cm inserts (attach brochure)	4	No.		
5.	Roll Top Chaffing Dishes				

ELEM	IENT 12: CLUB EQUIPMENT				
ltem	Description	Qty	Unit	Rate	Total
				Kshs	Kshs
	Roll Top Chaffing Dishes – triple Compartments with deep 10cm inserts. (Attach brochure)	2	No.		
6.	High Pressure three burners Gas				
	High Pressure three burners Gas Range black sizeLHW(4.5 by 2.5 by 1.5feet (attach brochure)	2	No.		
7.	Commercial microwave stainless steel				
	Commercial microwave stainless steel 25L, 100W, five power levels, increased durability single magnetron with 6 menu guides, max 60 minutes microwave time. Dimensions(mm) W-511H-311 D-432(attach brochure)		No.		
8.	Free standing three phased double basket commercial electric chips fryer.				
	Free standing three phased double basket commercial electric chips fryer 36ltrs by 2 with safe oil drainer cock and grooves on the oil tank to avoid oil aging. Full stainless steel body dimensions 890*800*950mm (attach brochure)		No.		
9.	Traditional stainless steel Electric kettle				
	Traditional stainless steel Electric kettle 5litres, automatic switch off, cool touch handle with extra-long spout for easy pouring, 1850W – 2250W (attach brochure)	2	No.		
10.	Industrial multi-function premium quality 2L kitchen blender				
	Industrial multi-function premium quality 2L kitchen blender, 3HP high efficiency Motor with unbreakable poly carbonate jug, double protection. Voltage 220V-240V/50 TO 60HZ. Dimension 24 x 28 x 34 CM. (attach brochure)	2	No.		
11.	Free standing Silver Dish Washer				
	Free standing Silver Dish Washer 14PS complete with external LED and touch buttons, 2 middle spraying arms, cutlery basket, detergent and rinse dispenser, and indicator icons 9L Water consumption and 9 wash cycles. Dimensions: W600, H850, D600mm. (attach brochure)	I	No.		

ELEN	1ENT 12: CLUB EQUIPMENT				
ltem	Description	Qty	Unit	Rate	Total
				Kshs	Kshs
12.	200kg capacity digital platform weighing scale				
	200kg capacity digital platform weighing scale. Pan size: 500 x 500mm. 12months warranty on manufacturers defect (attach brochure)		No.		
13.	17.5 cu ft non frost top freezer refrigerator				
	17.5 cu ft non frost top freezer refrigerator, 2 doors, with adjustable wire shelves, upfront temperature control and a can storage door shelve (attach brochure)		No.		
14.	Upright Vegetable chiller, showcase 250ltrs				
	Upright Vegetable chiller, showcase 250ltrs, 5 adjustable nonrusting shelves with warranty. (attach brochure)	I	No.		
15.	30kg Digital tabletop weighing scale				
	30kg Digital tabletop weighing scale. Model AHS 12months warranty on manufacturers defect (attach brochure)	I	No.		
16.	Electrical pressure cooker 8Quart, programmable				
	Electrical pressure cooker 8Quart, programmable, stainless steel, with various functions-, high- and low-pressure settings, and safety features. (Attach brochure)		No.		
17.	Portable Towel Warmer double door-High capacity				
	Portable Towel Warmer double door-High capacity, 46L, placing about 100facial towels, plug and play with stainless interior and removable racks Dimensions:22×20×15 inches. (Attach brochure)		No.		
18.	15kg Silver Commercial Washing Machine front load				
	I5kg Silver Commercial Washing Machine front load, auto dosing system with 47L per cycle5 temperature options electricity consumption 3.2 – 3.8 KW with an emergency stop option, LED display with 2years warranty. Dimensions W-737 H-1036 D-814 it should come with a universal 60x60cm anti-vibration mat which will reduce noise prevent slipping and protect the floor. (Attach brochure)	ı	No.		

ELEN	1ENT 12: CLUB EQUIPMENT				
ltem	Description	Qty	Unit	Rate	Total
				Kshs	Kshs
19.	I 0kg Silver front load Commercial Dryer with low power consumption				
	10kg Silver front load Commercial Dryer with low power consumption, ventilated dryer technology. Dimensions W-686 H-983 D-764 and two years warranty it should come with a universal 60x60cm anti-vibration mat which will reduce noise prevent slipping and protect the floor. (attach brochure)		No.		
20.	Electric contact single grill				
	Electric contact single grill LR811 with temperature control hot light and power switch(attach brochure)	2	No.		
21.	Hand Sack trolley				
	Hand Sack trolley- heavy duty commercial two-wheeler with 5inches rubber wheels to roll smoothly on all surfaces (attach brochure)	I	No.		
22.	Tabletop Stainless Steel Ice Cube Making Machine				
	Tabletop Stainless Steel Ice Cube Making Machine 15KG with a scoop, external on/off switch, special flexible spray nozzle producing 3 ice size portions in ten minutes and large water storage capacity. Dimensions H-37 W-29 D-36CM. (attach brochure)		No.		
23.	Vegetable Cutter – 0.25KW, 220V				
	Vegetable Cutter – 0.25KW, 220V, Disc Diameter 204mm, productivity I20Kg/h, ideal for cutting, shredding, slicing, grating etc. Dimensions – 275 X 580 X 455mm. (attach brochure)	I	No.		
24.	I 5kg Digital tabletop weighing scale				
	I5kg Digital tabletop weighing scale. Model T28 I2months warranty on manufacturers defect. (Attach brochure)		No.		
25.	5Gas+Electric Oven with fan Prof cooker with cylinder compartment				
	5Gas+Electric Oven with fan Prof cooker with cylinder compartment and euro type pool burners, Double glass oven door with I oven tray and I oven grid, mechanic	I	No.		

ELEN	1ENT 12: CLUB EQUIPMENT				
ltem	Description	Qty	Unit	Rate	Total
				Kshs	Kshs
	timer, glass top lid with adjustable feet and UK plug, silver				
	sides colour painted with I year warranty. Dimensions				
	W=900mm D=600mm. (attach brochure)				
26.	550L, 20Cu Ft Double door vertical showcase chiller				
	550L, 20Cu Ft Double door vertical showcase chiller, fit				
	for vegetables and beverage storage, adjustable				
	temperature control, interior LED lighting, heavy duty	1	No.		
	power cord, fully adjustable power coated metal shelves,	•	1 10.		
	high impact side panel graphics with warranty.				
	(Attach brochure)				
27.	Size 5ft wooden mahogany finish beds	7	No.		
	Size 5ft wooden mahogany finish beds complete with				
	Hotel range durable bonnel 10" thickness spring mattress				
	with edge to support Description: FRAME; mahogany				
	solid wood, ex 3" x 2"				
	SIDE RAILS; mahogany solid wood ex 6" x I I/2"				
	complete with 3/8 x 5" galvanized bolt connectors				
	MATTRESS SUPPORT; I6no. Pine wood slats ex 3" x 1"				
	reinforced with an ex 3" x 2" centre rail. MATTRESS				
	SUPPORT; 16no. pine wood slats ex 3" x 1" reinforced				
	with an ex 3" x 2" centre rail.				
	PANELS; 3/4" mahogany veneer panels				
	HEADBOARD SIZE; 1630mm long x 1200mm high				
	FOOTBOARD SIZE; 1630mm long x 635mm high				
	Finishing				
	SANDING; machine and hand sanding				
	LACQUER; with a sealant and two coats of Nitro-				
	cellulose lacquer. (Attach brochure)				
	Total Club Equipment (Carried to Main				
	Summary)				
	MAIN SUMMARY				
				1	
I	COMPLETION OF LAUNDRY				
2	CLUB EQUIPMENT				
				1	
	SUB TOTAL			+	
	JOB IOIAL		1	1	

			Kshs	Kshs
ADD 16% VAT				
GRAND TOTAL				
GRAND TOTAL				
<u> </u>				
Tenderer's Name:				•
Authorized Signature:				
Date:				
Company Rubber Stamp:				
ACKOWLEDGEMENT OF ADDENDUM No. 2				
We, the undersigned hereby certify that the Addendum is an inte	egral part (of the doci	ument and	
has been incorporated in the tender document.				
Signed				
6				
Tan January				
Tenderer:	• • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••

Qty

Unit

Rate

Total

ELEMENT 12: CLUB EQUIPMENT

Description