



KenGen

KENYA ELECTRICITY GENERATING COMPANY PLC

KGN-SEC-008-2024

RFx 5000015243

TENDER FOR FENCING OF OLKARIA IAU AND IV POWER STATIONS FOR INTEGRATED SECURITY MANAGEMENT SYSTEM PROJECT (CITIZEN CONTRACTOR)

Date: 6th June, 2024

ADDENDUM NO.3

In accordance with the 'Tender for Fencing of Olkaria IAU And IV Power Stations For Integrated Security Management System Project', KenGen hereby issues Addendum No. 3 as follows:

I. UPDATED BOQ

Bidders shall fill this BOQ as a replacement of the one in the tender document.

LOT I: OLKARIA IAU POWER STATION

BILL OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
I	PRELIMINARIES				
a	Allow for prime Sum for site management, site safety and security, workplace and site clean-ups during and on completion of works, waste disposal, meetings, awareness power consumption (Contractor own power), insurances, Applicable local compliance requirements, provision of site facilities such as office accommodation, storage, workshop facilities, serviceable and clean latrine, all to be decommissioned on completion of the project, project consumable materials, temporary works or similar not covered elsewhere in the Allow for watching (by competent watchman) and lighting; remove thereupon completion of the project, and make good grounds upon which the premises have been removed (All as required)	I	SUM		
	Total Element (I) Carried To Summary Page				
2	OLD FENCE WORKS				

a	Carefully dismantle and recover existing chain-link fence and steel circular tube posts, razor wire and store as directed.	995	LM		
	Trees				
b	Cutting down of trees and consequent removal of tree stumps of mean girth not exceeding 600mm.	1	No		
	Total carried to summary page				
3	NEW FENCING WORKS				
	Excavation				
a	Excavate pits to receive column foundations n.e 1.5m below the stripped level. Wheel off the excess excavated matter after backfilling not more than 100m away from excavated	555	CM		
	Concrete works				
b	Provide 50mm thick concrete class 15/20 blinding to pits to receive the foundation and column bases and tie beam trenches as per the drawing	535	SM		

c	Supply material, batch and place steel reinforced concrete class 20/25 in pits as columns, column bases as shown on the drawings. The column foundation bases shall be 1500mm deep depending on the prevailing ground conditions and this shall form the basis for remeasure. Rate shall include assorted reinforcement steel, formwork, links, curing and all materials as necessary	150	CM		
d	Allow Prime cost Sum of Fifty Thousand Shillings for Material Testing by the Contactor as directed and approved by the Engineer	1	LS		
e	Allow for contractor profits for item " f" above	%			
	Anti-Climb Fencing				

f	Supply and erect I – beam section posts 2.5M high, 100mm X 50mmX 25mm thick. The sections shall be anchored to the column foundations as shown in the drawing and shall be spaced at 3m C/C. The posts shall be fixed on concrete columns by 500mm long 4No M 16 Hot dipped Galvanized anchor bolts threaded and bolted to hold the - I section columns. The anchorage shall include all washers and nuts as necessary as shown in the drawing. Supply and erect 356 Hot dipped Galvanized and thermal Marine bond PVC coated Anti -climb and anti -cut high security fence 2.5m high X 3m length 5mm diameter wire rod welded in 12.7mm H X 76.2mm L dimension. This shall include Shark tooth spikes 100mm high and anchor plates all with the necessary accessories	1050	LM		
g	Allow for corrosion protection on the threaded sections of bolts and welded metal surfaces.	1	Item		
h	Fabricate and install two leaves Metal Gate with antic limb mesh of Average width 5 m with 1m width pedestrian gate using dip galvanized 75x50x3mm SHS sections installed to Project Managers specifications	1	No		
i	Fabricate and Install Metal Gate with antic limb mesh of Average width 1.0 m width x2.4m height pedestrian gate using dip galvanized 75x50x3mm SHS sections to Project Manager's specification	1	NO		
j	Fabricate and Install Metal Gate with antic limb mesh of Average width 1.5 m width x2.4m height pedestrian gate using dip galvanized 75x50x3mm SHS sections to Project Manager's specification	2	NO		
	Total carried to summary page				
4	ELECTRICAL WORKS				
a	Allow for repair of any damage of electrical services	1	Sum		
	Total carried to summary page				
5	DRAINAGE WORKS				
	Excavation				
a	Excavate pits to receive column foundations n.e 1.5m below the stripped level. Wheel off the excavated matter not more than 100m away from excavated site	30	CM		
b	Supply and installation of the 2m x 1m x 2m PVC coated gabion basket including all the necessary fittings (i.e Bidding wire)	20	PCS		

c	Supply and installation of rocks (sizes to be between 100-250mm)	40	CM		
d	Provide and place 200MM thick stone pitching including grouting	20	SM		
	Total carried to summary page				

SUMMARY

SNO	SUMMARY	AMOUNT
1	Preliminaries	
2	Old Fencing Works	
3	New Fencing Works	
4	Electrical Works	
5	Drainage Works	
6	Sub-Total	
7	Add 16% VAT	
8	Grand total carried to tender	

Amount in words :

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LOT 2: OLKARIA IV POWER STATION

BILL OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<u>PRELIMINARIES</u>				
a	Allow for a temporary site office adequate to accommodate six persons, notice board, shelves and , store for materials and tools storage	1	Item		
b	Allow for clean water for the works	1	Item		
c	Allow for security and insurance for the proposed works	1	Item		
d	Allow for National Construction Authority (NCA) Project registration fee for onward submission on behalf of the clients. This is 0.5% of the value of contract.	1	Item		
	<i>Total element (1) carried to page</i>				
2	<u>OLD CHAINLINK FENCE</u>				

A	Carefully dismantle and recover existing chain-link fence and steel circular tube posts, razor wire and store as directed	745	LM		
B	Carefully dismantle and salvage the current intrusion detection system for reuse as directed on site.	745	LM		
	<i>Total carried to summary page</i>				
3	<u>NEW FENCE WORKS</u>				
	<u>Excavation</u>				
A	Excavate pits in concrete to receive column foundations n.e 1.5m below the stripped level. Wheel off the excavated matter not more than 100m away from excavated site. The contractor shall factor the compensation aspect of different elavations and direction for the fence.	452	CM		
B	Allow for attendance of existing services	1	Item		
	<u>Concrete works</u>				

C	Provide 50mm thick concrete class 15/20 blinding to pits to receive the foundation and column bases and tie beam trenches as per the drawing	271	SM
D	Supply material, batch and place steel reinforced concrete class 20/25 in pits as columns, column bases as shown on the drawings. The column foundation bases shall be 1500mm deep depending on the prevailing ground conditions and this shall form the basis for remeasure. Rate shall include assorted reinforcement steel, formwork, links, Dowels curing and all materials as necessary. The contractor shall factor the compensation aspect of different elevation and direction for the fence	145	CM
E	Allow for Material Testing by the Contactor as directed and approved by the Engineer	1	LS
	<u>ANTI-CLIMB FENCING</u>		
F	Supply and erect I – beam section posts 2.5M high, 100mm X 50mmX 25mm thick. The sections shall be anchored to the column foundations as shown in the drawing and shall be spaced at 3m C/C. The posts shall be fixed on concrete columns by 500mm long 4No M 16 Hot dipped Galvanized anchor bolts threaded and bolted to hold the - I section columns. The anchorage shall include all washers and nuts as necessary as shown in the drawing. Supply and erect 356 Hot dipped Galvanized and thermal Marine bond PVC coated Anti -climb and anti -cut high security fence 2.5m high X 3m length 5mm diameter wire rod welded in 12.7mm H X 76.2mm L dimension. This shall include Shark tooth spikes 100mm high and anchor plates all with	745	LM

G	Allow for corrosion protection on the threaded sections of bolts and welded metal surfaces.	1	Item		
H	Construct and Install two leaves Metal Gate with antic limb mesh of Average width 5 m with 1.5 m width	2	No		

	pedestrian gate using dip galvanized 75x50x3mm SHS sections Installed to Project Manager's specification				
I	Construct and Install Double leaves Metal Gate with antic limb mesh of Average width 5.5 m width x2.4m height pedestrian gate using dip galvanized 75x50x3mm SHS sections to Project Manager's specification	I	NO		
	Total carried to summary page				
4	<u>ELECTRICAL WORKS</u>				
A	Supply and install all necessary electrical installations complete with earthing and lighting incl. connection to existing supply as directed by the Project Manager.	I	Lot		
	Total carried to summary page				
SNO	SUMMARY		AMOUNT		
I	PRELIMINARIES				
2	OLD FENCE				
3	NEW FENCE				
4	ELECTRICAL WORKS				
5	Sub-Total				
6	Add 16% VAT				
7	Grand total carried to tender				

Amount in words:

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Summary of Price Schedule:

Item No	Schedule	Total Amount in KES (Inclusive of Taxes)
1	Lot I Olkaria I Additional Unit (IAU)	
2	Lot I Olkaria 4	

3	Total Cost to be transferred to the form of tender	
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BIDDER'S ACKNOWLEDGEMENT OF ADDENDUM NO.3

We, the undersigned hereby certify that the addendum is an integral part of the document and the alterations set out in addendum has been incorporated in the tender Proposal.

Signed

Tenderer

Date