SECTION - IV

BIDDING FORMS

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Letter of Bid

Letter of Bid – Single Stage Bidding

Date: _____ ICB No.: ____ Invitation for Bid No.: _____ To:

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 8_____;

(b) We offer to ______, in conformity with the Bidding Document, the following Plant and Installation Services: ______

(c) <u>The price of our Bid, excluding any discounts offered in item (d) below is the sum of:</u> ______, (______), and _____, (_____)]

(d) The discounts offered and the methodology for their application are:

____;

(e) Our bid shall be valid for a period of ______ days from the date fixed for the bid subMAUsion deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;

(g) We, including any subcontractors or manufacturers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITB-4.2;

(h) We, including any subcontractors or manufacturers for any part of the contract, do not have any conflict of interest in accordance with ITB-4.3;

(i) Weare not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB-4.3, other than alternative bids submitted in accordance with ITB-13;

(j) We, including any of our subcontractors or manufacturers for any part of the contract, have not been declared ineligible by the Bank, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;

(k) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-4.5;¹

¹Bidder to use as appropriate

(1) We have paid, or will pay the following comMAUsions, gratuities, or fees with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

(m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name _____ In the capacity of ____

Signed _____

Duly authorized to sign the bid for and on behalf of _____

Detailen	1	
Dated on	day of ,	

Letter of Bid – Two Stage Bidding, First Stage Bid

Date: _____ ICB No.: ____ Invitation for Bid No.: _____ To: ____

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 8______

(b) We offer to ______, in conformity with the Bidding Document, the following Plant and Installation Services: ______

(c) We, including any subcontractors or manufacturers for any part of the contract , have or will have nationalities from eligible countries, in accordance with ITB-4.2;

(d) We, including any subcontractors or manufacturers for any part of the contract, do not have any conflict of interest in accordance with ITB-4.3;

(e) Weare not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB-4.3, other than alternative bids submitted in accordance with ITB-13;

(f) We, including any of our subcontractors or manufacturers for any part of the contract, have not been declared ineligible by the Bank, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;

(g) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-4.5;²

(h) We further undertake, if invited to do so by you, and at our own cost, to attend a clarification meeting at a place of your choice, for the purpose of reviewing our First Stage Bid and duly noting all amendments and additions thereto, and noting oMAUsions therefrom that you may require.

(i) We further undertake, upon receiving your written invitation, to proceed with the preparation of our Second Stage Bid, updating our First Stage Bid in accordance with the requirements from the Memorandum of the clarification meeting, and completing our Second Stage bid for supplying the Plant and Installation Services.

(j) We have paid, or will pay the following comMAUsions, gratuities, or fees with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

²Bidder to use as appropriate

Name	In the capacity of
Signed	
Duly authorized to sign the b	bid for and on behalf of
Dated on	day of,

Sec4 - Contr A35 - Bidding Forms _Revised

Letter of Bid – Two Stage Bidding, Second Stage Bid

Date: _____ ICB No.: ____ Invitation for Bid No.: _____ To: _____

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 8, and your requirements incorporated in the Memorandum of the clarification meeting held between us on [date],_____;

(b) We offer to ______, in conformity with the Bidding Document the following Plant and Installation Services: ______;

(c) The price of our Bid, excluding any discounts offered in item (d) below is the sum of: ______, (______), and _____, (______).

The discounts offered and the methodology for their application are: _____;

(d) Our bid shall be valid for a period of ______ days from the date fixed for the subMAUsion deadline for the Second Stage bids as stipulated in the Letter if Invitation to submit a Second Stage Bid, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(e) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;

(f) We, including any subcontractors or manufacturers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITB-4.2;

(g) We, including any subcontractors or manufacturers for any part of the contract, do not have any conflict of interest in accordance with ITB-4.3;

(h) Weare not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB-4.3;

(i) We, including any of our subcontractors or manufacturers for any part of the contract, have not been declared ineligible by the Bank, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;

(j) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-4.5;³

(k) We have paid, or will pay the following comMAUsions, gratuities, or fees with respect to the bidding process or execution of the Contract:

Name of Recipient Address

Reason

Amount

³Bidder to use as appropriate

<u>.</u>	 	

(If none has been paid or is to be paid, indicate "none.")

(1) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(m) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name In the capacity of _____

Signed _____

Duly authorized to sign the bid for and on behalf of ______

Dated on ______ day of ______, ____

Schedules of Rates and Prices Schedule No. 1. Plant and Mandatory Spare Parts Supplied from Abroad

Abroad Item	Description	Unit	Qty(1)	Unit ² Price CIP sites(2)	Total Price ² ((1)X(2)
KIPEVU-101	Three (3) 33KV transformer incomers				
KIFE V U-101	bays.(From the 132/33 kV transformers)				
	33KV double busbar gas insulated switchgear				
	bays complete with control system, circuit				
	breaker, disconnectors, earthing switches, fast				
	acting earthing switch, current transformers, 3				
	phase voltage transformers, surge arrestors,				
	busbars and busbars connections.	Pc	3		
KIPEVU-102	Twelve (12) 33KV outgoing feeder lines bays.	10			
KII L V 0-102	33KV double busbar gas insulated switchgear				
	bays complete with control system, circuit				
	breaker, disconnectors, earthing switches, fast				
	acting earthing switch, current transformers, 3				
	phase voltage transformers, surge arrestors,				
	busbars and busbars connections.	рс	12		
KIPEVU-103	Two (2) 33/11KV transformer bays.	pc	12		
	33KV double busbar gas insulated switchgear				
	bays complete with control system, circuit				
	breaker, disconnectors, earthing switches, fast				
	acting earthing switch, current transformers, 3				
	phase voltage transformers, surge arrestors,				
	busbars and busbars connections.	рс	2		
KIPEVU-104	One (1) 33KV bus coupler bay.	- po	-		
	33KV double busbar gas insulated switchgear				
	bays complete with control system, circuit				
	breaker, disconnectors, earthing switches,				
	current transformers, 3 phase voltage				
	transformers, busbars and busbars connections.	рс	1		
KIPEVU-105	33kv transformer Incomer protection and	- P0			
	control panel – 132/33kV Transformers.	рс	3		
KIPEVU-106	33KV line protection and control panels –	- po			
	33kV Feeders	рс	12		
KIPEVU-107	Transformer control and protection panel -	- P0			
	33/11kV Transformers	рс	2		
KIPEVU-108	33kv bus coupler protection panel	pc	1		
KIPEVU-109	33kv Busbar protection panel	pc pc	1		
KIPEVU-110					
	Transformers and Feeders Metering panel	рс	1		
KIPEVU-111	33KV incomer cables in 1000mmsq S/C Cu				
	including cable sealing ends for the		1		
	3No. of 132/33KV Tx MV & GIS connections.	Lot			
VIDEVIL 112	(indoor & outdoor)	Lot			
KIPEVU-112	33KV Feeder cables in 800mmsq S/C Cu				
	including cable sealing ends for 12No. of		1		
	feeder GIS & Transition connections. (indoor	Lot			
VIDEVIL 112	& outdoor)	Lot	-		
KIPEVU- 113	33KV Tx cables in 800mmsq S/C Cu including	Lot	1		

			1		1
	cable sealing ends for the				
	2No. of 33/11KV Transformer HV & GIS				
KIPEVU- 114	connections. (indoor & outdoor) Materials for Transition structure for outgoing				
KIPEVU-114	line cables including Terminations (outdoor)				
	for 12No. of feeders in 630mmsq S/C XLPE		1		
	aluminium cables (Transition – Existing OH		1		
	line Cables)	Lot			
KIPEVU- 115	33 kv Outdoor surge arresters complete with		50		
	mounting structures and earthing accessories.	pc	50		
KIPEVU-116	Fourteen(14) panel 11 kV switchboard (with 2				
	No. of Incomer panels, 1 No. of Bus Coupler,		1		
	8 No. of feeder panels, 2 No. of Bus PT, 2 No.	-	1		
	of Auxiliary Tx panels)	Lot			
KIPEVU- 117	11/0.415kV 100KVA station transformers	pc	2		
KIPEVU- 118	11KV incomer cables in 630mmsq S/C Cu				
	including their Indoor and Outdoor termination		1		
	kits (2No. of 11kV Incomers to 2No. of	Tet			
KIPEVU- 119	33/11kV Transformers) 11KV line cables in 300mmsq 3core Cu	Lot			
KIFEVU-119	including their Indoor and Outdoor termination		1		
	kits.	Lot	1		
KIPEVU- 120	11 kV Pole mounted Surge Arresters complete	200			
	with mounting structures and Earthing		40		
	accessories.	pc			
KIPEVU- 121	Substation Automation System (SAS)	LOT	1		
KIPEVU- 122	Control and measuring cables	LOT	1		
KIPEVU- 123	Auxiliary AC supply including Auto Change				
	over system.	Lot	1		
KIPEVU- 124	DC supply System	Lot	1		
KIPEVU- 125	Earthing system	Lot	1		
KIPEVU- 126	Ancillary Equipment	Lot	1		
KIPEVU- 127	Switchyard Lighting System	Lot	1		
KIPEVU- 128	Lightning protection system	Lot	1		
KIPEVU- 129	1000 mts of 48 core approach cable and 2 ODF				
	to be included in scope for the reorganization				
	of existing approach cables.	Lot	1		
KIPEVU- 130	Optical terminal equipment type SDH STM-4		1		
KIDEVIL 120	and associated materials for Kipevu	Lot	1		
KIPEVU- 130	Telecommunication system and associated accessories(radio/fiber based communication)	Lot	1		
		Lot	1	ļ	

Schedule No. 2. Mandatory Spare Parts Supplied abroad

For 33KV GIS

The following spares and tools are to be provided for the GIS:

Item no.	Item Description	Quantity
	Tools	
TT-001	Gantry crane	1 pc
TT-002	Gas filling equipment	1pc
TT-003	Gas vacuuming equipment	1pc
TT-004	SF6 Gas processing unit	1pc
TT-005	SF6 spare Gas	10 cylinders

For Substations

Item no.	Item Description	Quantity
Spares		
SS-001	33kV GIS Breaker	2
SS-002	33kv main and backup line protection units	2
SS-003	33kV GIS Disconnector	2
SS-004	33kV GIS Current Transformer	2
SS-005	33kV GIS Voltage Transformers	2
SS-006	33 kV cable jointing sets for S/C 800 mm ² cable	20
SS-007	33 kV cable jointing sets for S/C 1000 mm ² cable	10
SS-008	33kV GIS Surge Arrestor	6
SS-009	Transformer Protection unit for 33/11 kV transformer bay	1
SS-010	Bay control unit	2
SS-011	SCADA and Telecommunications interface unit of each type as described in 4.1.6	1 lot
SS-012	11 kV indoor Circuit Breaker for incomer	1
SS-012 SS-013	11KV Voltage Transformer	1
SS-013	11 kV cable jointing sets for 3core 300 mm ² cable	10
SS-015	11 kV cable termination sets for s/c 630 mm ² cable	5
SS-016	Auxiliary relays of matching type to ones used in offered	5
	equipment, assorted	-
SS-017	Control contactors of matching type to ones used in offered equipment, assorted	5
SS-018	Assorted MCB's for AC and DC distribution boards	10
SS-019	Trip coils for each type of Circuit Breaker	5
SS-020	Close coils for each type of Circuit Breaker	5
SS-021	Indicating lamps	10
SS-022	Interlocking coils for circuit breakers	4
SS-023	Earth switch interlocking coils	4
SS-024	33KV cable termination kit	3
SS-025	SAS and telecommunication tools	1 set
Tools for su	bstations	
TS-001	Lap tops	2

Schedule No. 3. Design Services

Item	Description	Qty.	Unit Price ¹		Total Price ¹
			Local Currency Portion	Foreign Currency Portion	
		(1)	(2)	(optional)	(1) x (2)
KIPEVU-301	Substation Design (Electrical, Mechanical, Civil, Control/protection engineering) Including dimensioning of all connections	1			
KIPEVU-302	Coordination of relay settings	1			
KIPEVU-303	Telecommunication System design	1			
Subtotal					
TOTAL (to Sched	lule No. 5. Grand Summary)				
· · · · ·			Name of Bidder		
			Signature of Bidd	er	
¹ Specify currency in Stage Bid.	accordance with specifications in Bid I	Data Shee	t under ITB 18.1 in Si	ngle Stage Bid, or I	TB 30.1 in Two

Schedule No. 4. Installation and Other Services

Item	Description	Qty		Price ¹	Total P	
			Foreign Currency Portion	Local Currency Portion	Foreign	Local
		(1)	(2)	(3)	(1x2)	(1x3)
Installation						
	Necessary rehabilitation					
	reinforcements to suit the	GIS				
KIPEVU - 401	requirements	Lot				
	Cable trenches, trays &					
KIPEVU- 402	accessories	Lot				
	Erection works for transiti	on				
KIPEVU - 403	structure	Lot				
	Recovering of existing					
	equipment & transportation t					
KIPEVU - 404	KPLC store	Lot				
KIPEVU - 405	Clean up of the substation building (cable gallery etc)	Lot				
KII EVU - 403	Erection and commissioni					
KIPEVU - 406	of GIS	Lot				
KIFEVU - 400	Telecommunications syste					
	installation, intergration an					
KIPEVU- 407	commissioning	Lot				
KII L V 0- 407	Protection & SCADA syst					
KIPEVU- 408	installation & commission					
KII L V U- 400		ing. Lot				
Factory Acceptan	ce Tests (FAT) and Training	in protection &	z control	L L		
	ce Tests (FAT) and Training Relay & Control Panels		z control			
Factory Acceptan KIPEVU - 409		in protection &	z control			
	Relay & Control Panels		z control			
KIPEVU - 409	Relay & Control Panels SCADA & Telecom	Lot	z control			
KIPEVU - 409 KIPEVU- 410 KIPEVU - 411	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control system	Lot	z control			
KIPEVU - 409 KIPEVU- 410	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtraining	Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunications	Lot Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU- 410 KIPEVU - 411	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTraining	Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTrainingGIS (Gas insulated	Lot Lot Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTrainingGIS (Gas insulatedswitchgear)	Lot Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTrainingGIS (Gas insulatedswitchgear)Facilities to be provided	Lot Lot Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTrainingGIS (Gas insulatedswitchgear)Facilities to be providedto Project	Lot Lot Lot Lot Lot	z control			
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control PanelsSCADA & TelecomEquipmentProtection trainingSubstation Control systemtrainingTelecommunicationsTrainingGIS (Gas insulatedswitchgear)Facilities to be providedto ProjectManager/Employer	Lot Lot Lot Lot Lot		months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P	Lot Lot Lot Lot Lot		months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18	months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices Transport Services to sites	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18 anager	months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18 anager ary)	months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices Transport Services to sites	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18 anager	months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices Transport Services to sites	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18 anager ary) Name of	months		
KIPEVU - 409 KIPEVU - 410 KIPEVU - 411 KIPEVU - 412 KIPEVU - 413 KIPEVU - 414	Relay & Control Panels SCADA & Telecom Equipment Protection training Substation Control system training Telecommunications Training GIS (Gas insulated switchgear) Facilities to be provided to Project Manager/Employer Communication facilities - P Site offices Transport Services to sites	Lot Lot Lot Lot Lot re-paid phone w	rith airtime – 18 anager ary) Name of	months		

Schedule No. 5. Grand Summary

Item	Description		Total Price ¹	
			Foreign	Local
	Total Schedule No. 1. Plant, and Mandatory Spare Parts			
	Supplied from Abroad			
	Total Schedule No. 2. Plant, and Manda	tory Spare Parts		
	Supplied from Within the Employer's C			
	Total Schedule No. 3. Design Services			
	Total Schedule No. 4. Installation and Other Services			
TOTA	AL (to Bid Form)			
		Name of Bidder		

¹Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1 in Single Stage Bid, or ITB 30.1 in Two Stage Bid. Create and use as many columns for Foreign Currency requirement as there are foreign currencies

Signature of Bidder

Schedule No. 6. Recommended Spare Parts

Item	Description	Qty.	Unit Price		Total Price
			CIF or CIP	EXW	
			(foreign	(local parts)	
			parts)		
		(1)	(2)	(3)	(1) x (2)
					or(3)
	Give itemised list				
				-	
				-	
	-			-	
				_	
				-	
				-	
		Name	of Bidder		_
		Signa	ture of Bidder		-

Technical Proposal

- Site Organization
- Method Statement
- Mobilization Schedule
- Construction Schedule
- Plant
- Contractor's Equipment
- Personnel
- Proposed Subcontractors for Major Items of Plant and Installation Services
- Others

Site Organization

• Organization chart (*The names shall include&match all those in mobilization schedule*)

Method Statement

- a) Method statement, design and engineering in regard to the following
 - *i. Investigations/survey.*
 - *ii. Design considerations for the transition connection (for 33KV cables).*
 - *iii. The substation is situated in highly corrosive environment and contractor shall submit a brief description of the solutions for both indoor and outdoor installations*
 - a. Other Substation components.

b) Method statement, Site works (shall include detailed presentation of the following)

- a) Quality control measures, a narration of specific quality control mechanisms measures at design, manufacture, erection, installation, testing and commissioning. The presentation shall include method of recruitment/selection of the subcontractors/sub suppliers and how they will be supervised.
- b) Safety, Health and Environmental plan –This should include a narration of measures that will be adopted to ensure that the projects are completed without accidents, with minimum negative impact on the environment.
- c) Method statement, extensions in existing substations (where applicable)
 - Extensions of auxiliary systems
 - Transition connections other outdoor equipment (, Earthing, Transformer cable structures etc).
 - Replacements/upgrade of existing equipment.
 - The Bidder shall check the dimensions of rooms and outdoor plots where electrical equipment is proposed to be erected. The rooms and plots must accommodate the equipment as well as having workspace for operators and maintenance personnel.
 - The Bidder shall in his bid present arrangement drawings showing how he intends to adapt the equipment to the space available. If the space is not sufficient the Bidder shall indicate necessary enlargements. Failing to do so the Bidder must bear the cost of later modifications of the facilities.

Mobilization Schedule

The contractor shall give a presentation of Project implementation plan WITH matched resources (Human, Tools and Equipment) to ensure timely completion. IV - 20

Construction Schedule

Plant(*the following shall be supplied with the bid for evaluation*) A. Technical guarantee schedules for Major equipment listed below(

The tables shall be filled as per tables provided in section VI item 4.3)

i.Power transformers ii.Instrument transformers iii.SubstationControl and protection system iv.MV& HV switchgear including Surge arresters and instrument transformers v.Cables.

B. Principle Design Drawings and Functional descriptions for

- a. Layout design; arrangement of outdoor equipment.
- b. Single line diagram and protection philosophy
- c. Substation automation, control and topologies with detailed Functional description. Information defining the internal local control communication protocol shall be submitted with the Bid. The Bidder shall guarantee the availability of spares in 10 years from cessation of normal production. This shall be demonstrated by the bidder.
- d. Building layout with dimensions and equipment arrangement. Drawings showing the control system, protection units and the boards as they are proposed shall be supplied with the Bid.
- e. HV and MV Cables: A quality control system based on regularly accelerated test of production samples according to CENELEC HD605 shall be described.
- f. LV cables: The Bidder shall in the Bid give detailed information about the different types of cables proposed.
- g. Power Transformers:
 - *i.* Bidder shall propose in the Bid details of bushings with drawings showing air clearances and creeppage distances.
 - *ii.* Bidder shall state the current densities in the windings.
 - *iii. Bidder shall submit Full detailed description of the windings with the Bid*
 - *iv.* The maximum safe perMAUsible vacuum (millimetres of mercury) which may be applied above oil level, to the tank, cooling equipment and to the conservator, without causing permanent distortion, shall be stated.
 - v. The particulars of priming and finishing paintings shall be stated, with specifications of paint,

together with a listing of colours available, for each of the plant and equipment.

- vi. The bidder shall list all special tools and equipment required for erection of the transformer.
- *vii.* The following detailed drawings for transformer shall be submitted;

(Note: if complete design drawings are not available, drawings should be submitted of an existing design equivalent in all essential detail to that being offered).

- a. Dimensioned outline drawings of the transformer and any auxiliary plant showing:
- The arrangement and position of all fittings and accessories.
- Any section to be removed for shipment and their separate dimensions and weights.
- Principal dimensions and minimum clearances (phase/phase and phase/earth).
- Weight, sling angles and height from ground level to crane hook applicable for lifting:
- The tank cover
- The complete transformer
- The cores and coils out of the tank
- Position and function of all valves.
 - Position and function of all access openings.
 - Total weight and distribution of weight to enable foundations to be designed (to be designed by the Employer).
- b. Drawings showing the arrangement of the core and windings including core clamping arrangement.
- c. Detailed drawings of the tapping switch showing internal details of switch and mechanism, tapping connections and change-over link board.
- d. Fully dimensioned drawings of all proposed bushings including crosssections and full electrical characteristics.
- e. Schematic wiring diagrams of automatic voltage control, cooler control, and protection systems with fully detailed description of the operation.
 - Drawings of proposed rating and diagram plates.
- f. Catalogues of all accessory equipment and fittings.

h. 11KV switchboard

The Bidder shall demonstrate that for 11KV cable test purposes, it must be possible to loosen the connection between cables and the measurement transformers from the front of the switchboard, with energised busbars without removing any apparatus. The bidder is also required to provide functional descriptions of the following aspects of the switchgear.

- Arc protection scheme.
- Design for exhaust duct for fumes

Contractor's Equipment

Form EQU

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key Contractor's equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of equipme	ent		
Equipment information	Name of manufacturer		Model and power rating
	Capacity		Year of manufacture
Current status	Current location		
	Details of current commitmen	ts	
Source	Indicate source of the equipme	ent	
	Owned Rented	\Box Leased	□ Specially manufactured

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner		
Address of owner			
	Telephone	Contact name and title	
	Fax	Telex	
Agreements	Agreements Details of rental / lease / manufacture agreements specific to the project		

Form FUNC

The Bidder shall copy in the left column of the table below, the identification of each functional guarantee required in the Specification and stated by the Employer in para. 1.2 (c) of Section III. Evaluation and Qualification Criteria, and in the right column, provide the corresponding value for each functional guarantee of the proposed plant and equipment.

Required Functional Guarantee	Value of Functional Guarantee of the Proposed Plant and Equipment
1.	
2.	
3.	

Personnel

Form PER -1

Proposed Personnel

Bidders should provide the names of suitably qualified personnel to meet the specified requirements stated in Section III. The data on their experience should be supplied using the Form below for each candidate.

1.	Title of position*
	Name
2.	Title of position*
	Name
3.	Title of position*
	Name
4.	Title of position*
	Name

*As listed in Section III.

Form PER-2

Resume of Proposed Personnel

Position			
Personnel information	Name	Date of birth	
	Professional qualifications	i	
Present employment	Name of employer		
1	Address of employer		
	Telephone	Contact (manager / personnel officer)	
	Fax	E-mail	
	Job title	Years with present employer	

Summarize professional experience over the last 20 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	То	Company / Project / Position / Relevant technical and management experience

Proposed Subcontractors for Major Items of Plant and Installation Services

A list of major items of <u>Plant and Installation Services is provided below.</u>

The following Subcontractors and/or manufacturers are proposed for carrying out the item of the facilities indicated. Bidders are free to propose more than one for each item

Major Items of Plant and Installation Services	Proposed Subcontractors/Manufacturers	Nationality

Others – Time Schedule

(to be used by Bidder when alternative Time for**Completion is invited in ITB 13.2 – Single Stage Bidding only**)

Form ELI 1.1 Bidder Information Sheet

Date:		
ICB No.:		
Invitation fo	or Bid No.:	
Page	of	pages

E. Bidder's Legal Name
2. In case of JVA, legal name of each party:
3. Bidder's actual or intended Country of Registration:
4. Bidder's Year of Registration:
5. Bidder's Legal Address in Country of Registration:
 6. Bidder's Authorized Representative Information Name: Address: Telephone/Fax numbers: Email Address:
7. Attached are copies of original documents of:
Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.
In case of JVA, letter of intent to form JVA including a draft agreement, or JVA agreement, in accordance with ITB Sub-Clauses 4.1 and 11.1(i) Single Stage Bidding or 11.1(g) Two Stage Bidding.
In case of government owned entity from the Employer's country, documents establishing legal and financial autonomy and compliance with the principles of commercial law, in accordance with ITB Sub-Clause 4.5.

Please note that a written authorization needs to be attached to this sheet as required by ITB 21.2 Single Stage Bidding) or ITB 17.2 Two Stage Bidding

Form ELI 1.2 Party to JVA Information Sheet

Date:	
ICB No.:	
Invitation for Bid	No.:
Page of	f pages

E.	Bidder's Legal Name	::
----	---------------------	----

2. JVA's Party legal name:

3. JVA's Party Country of Registration:

4. JVA's Party Year of Registration:

5. JVA's Party Legal Address in Country of Registration:

6. JVA's Party Authorized Representative Information Name: Address: Telephone/Fax numbers:

Email Address:

7. Attached are copies of original documents of:

Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.

☐ In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with the principles of commercial law, in accordance with ITB Sub-Clause 4.5.

Form CON – 2 Historical Contract Non-Performance

In case a prequalification process was conducted this form should be used only if the information submitted at the time of prequalification requires updating
Bidder's Legal Name: ______ Date: ______
JVA Partner Legal Name: ______ Date: ______
ICB No.: ______
Page _____ of _____ pages

Non-Performing Contracts in accordance with Section III, Evaluation Criteria						
	act non-performa .1 of Section III,		ot occur during the stipulated period, in accordant contraction of the stipulated period, in accordant contraction of the stipulated period.	ance with Sub-		
Pending I	Litigation, in ac	cordance	e with Section III, Evaluation Criteria			
□ No pending litigation in accordance with Sub-Factor 2.2.2 of Section III, Evaluation Criteria						
Pendir	ng litigation in ac	cordance	with Sub-Factor 2.2.2 of Section III, Evaluatio	n Criteria, as		
indicated below						
Year	Outcome as Percentof Total Assets	Contrac	t Identification	TotalContract Amount (current value, US\$ equivalent)		
		Name of Address	t Identification: f Employer: s of Employer: n dispute:			
		Contrac Name of Address	t Identification: f Employer: s of Employer: n dispute:			

KENYA POWER FUNDED Project Form CCC

Kenya Power and Lighting Company

Current Contract Commitments / Works in Progress

Bidders and each partner to a JVA should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Name of contract	Employer, contact address/tel/fax	Value of outstanding work (current US\$ equivalent)	Estimated completion date	Average monthly invoicing over last six months (US\$/month)
1.				
2.				
3.				
4.				
5.				
etc.				

Date: ______ ICB No.: _____

Form FIN – 3.1 Financial Situation Historical Financial Performance

Bidder's Legal Name:	
JVA Partner Legal Name:	
Page of	pages

To be completed by the Bidder and, if JVA, by each partner

Information from BalanceTotal Assets (TA)Total Liabilities (TL)	Year 2 Year 3 Sheet	Year	Year n	Avg.	Avg. Ratio
Total Assets (TA) Total Liabilities (TL) Net Worth (NW)	Sheet				
(TA)TotalLiabilities(TL)Net Worth(NW)					
Liabilities (TL) Net Worth (NW)					
· · ·					
Assets (CA)					
Current Liabilities (CL)					
Information from Income	Statement				I
Total Revenue (TR)					
Profits Before Taxes (PBT)					

 \Box Attached are copies of financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following conditions:

(a) Must reflect the financial situation of the Bidder or partner to a JVA, and not sister or parent companies

(b) Historic financial statements must be audited by a certified accountant

(c) Historic financial statements must be complete, including all notes to the financial statements

(d) Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)

Form FIN – 3.2 **Average Annual Turnover**

Bidder's Legal Name: _____ JVA Partner Legal Name: ____

Legal Name: _____ Page _____ of _____ pages

Date:	
ICB No.:	

Annual turnover data (construction only)						
Year	Amount and Currency	US\$ equivalent				
*Average						
Annual						
Construction						
Turnover						

*Average annual turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Evaluation Criteria, Sub-Factor 2.3.2.

Form FIN3.3 Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in Section III, Evaluation and Qualification Criteria

Source of financing	Amount (US\$ equivalent)
1.	
2	
2.	
3.	
4.	

Form EXP 2.4.1 **Experience – General Experience**

Bidder's Legal Name: ____ JVA Partner Legal Name: Date: _____ ICB No.: _____

Page _____ of _____ pages

Starting Month / Year	Ending Month / Year	Years *	Contract Identification	Role of Bidder
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	
			Contract name: Brief Description of the Works performed by the Bidder: Name of Employer: Address:	

*List calendar year for years with contracts with at least nine (9) months activity per year starting with the earliest year

Form EXP – 2.4.2(a) Specific Experience

Bidder's Legal Name:	Date:
	ICB No.:

Page _____ of ____ pages

Similar Contract Number: of	Information		
required.			
Contract Identification			
Award date			
Completion date			
Role in Contract			
	Contractor	Management Contractor	or
Total contract amount			US\$
If partner in a JVA or subcontractor, specify			
participation of total contract amount	%		US\$
Employer's Name:			
Address:			
Telephone/fax number:			
E-mail:			

Form EXP – 2.4.2(a) (cont.) Specific Experience (cont.)

Bidder's Legal Name:	 Page	_ of	_ pages
JVA Partner Legal Name:	 -		

Similar Contract No[insert specific number] of [total number of contracts] required	Information	
Description of the similarity in accordance with Sub-Factor 2.4.2a) of Section III:		
Amount		
Physical size		
 Complexity SAS brief description implemented Type of Telecommunication Substation protocols for communication 		
Methods/Technology		
Physical Production Rate		

The subcontractors for the installation and erection works (including civil) shall be listed

and details of their scope of works clearly described.

Form EXP – 2.4.2(b) Specific Experience in Key Activities

Bidder's Legal Name:	Date:		
JVA Partner Legal Name:	ICB No.:		
Subcontractor's Legal Name:	Page	of	pages

	Information		
Contract Identification			
Award date			
Completion date			
Role in Contract			Subcontracto
	Contractor	Management	r
		Contractor	
Total contract amount		·	US\$
If partner in a JVA or subcontractor, specify			
participation of total contract amount	%		US\$
Employer's Name:			
Address:			
elephone/fax number:			
E-mail:			

Form EXP – 2.4.2 (b)(cont.) Specific Experience in Key Activities (cont.)

Bidder's Legal Name:	Page	of	pages
JVA Partner Legal Name:	_		
Subcontractor's Legal Name:			

	Information
Description of the key activities in	
accordance with Sub-Factor 2.4.2b) of	
Section III:	

The subcontractors for the installation and erection works (including civil) shall be listed

and detailsof their scope of works clearly described.

Form of Bid Security(Bank Guarantee)

Beneficiary:
Date:
BID GUARANTEE No.:
We have been informed that (hereinafter called "the
Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for
the execution of under Invitation for Bids No ("the
IFB").
Furthermore, we understand that, according to your conditions, bids must be supported by a
bid guarantee.
At the request of the Bidder, we hereby irrevocably undertake to
pay you any sum or sums not exceeding in total an amount of
()upon receipt by us of your first demand in writing accompanied by a written
statement stating that the Bidder is in breach of its obligation(s) under the bid conditions,
because the Bidder:
(a) has withdrawn its Bid during the period of bid validity specified by the Bidder
in the Form of Bid; or
(b) having been notified of the acceptance of its Bid by the Employer during the
period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii)
fails or refuses to furnish the performance security, in accordance with the ITB.
This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of
copies of the contract signed by the Bidder and the performance security issued to you upon
the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the
earlier of (i) our receipt of a copy your notification to the Bidder of the name of the
successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's bid.
Consequently, any demand for payment under this guarantee must be received by us at the
office on or before that date.
This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No.
458.

[signature(s)]

Form of Bid Security(Bid Bond)

	/		
BOND NO.	······································	11 - 1 ((1) - Duin - in - 1)	· · · · 1
BY THIS BOND as Pri			
,authorized to the			
(hereinafter called "the Surety"), are hele	l and firmly bound u	nto	as Obligee
(hereinafter called "the Employer") in th	e sum of	4(),	for the payment of
which sum, well and truly to be made, w	e, the said Principal	and Surety, bind our	rselves, our
successors and assigns, jointly and sever	ally, firmly by these	presents.	
WHEREAS the Principal has submitted	a written Bid to the I	Employer dated the	day of,
20, for the construction of	(hereinafter cal	led the "Bid").	
NOW, THEREFORE, THE CONDITIO	N OF THIS OBLIGA	ATION is such that	if the Principal:
(a) withdraws its Bid during t	he period of bid valid	dity specified in the	Form of Bid; or
(b) having been notified of the accept	ptance of its Bid by t	he Employer during	; the period of Bid
validity; (i) fails or refuses to execute the	Contract Form, if re	equired; or (ii) fails	or refuses to furnish
the Performance Security in accordance	with the Instructions	to Bidders;	
then the Surety undertakes to immediate	y pay to the Employ	er up to the above a	mount upon receipt
of the Employer's first written demand,	without the Employe	r having to substant	iate its demand,
provided that in its demand the Employe	r shall state that the	demand arises from	the occurrence of
any of the above events, specifying which	h event(s) has occur	red.	
The Surety hereby agrees that its obligat	on will remain in fu	ll force and effect up	p to and including
the date 28 days after the date of expirati	on of the Bid validit	y as stated in the Inv	vitation to Bid or
extended by the Employer at any time pr			
being hereby waived.			•
IN TESTIMONY WHEREOF, the Princ	ipal and the Surety h	ave caused these pro	esents to be executed
in their respective names this day of			
Principal:			

Corporate Seal (where appropriate)

(Signature) (Signature) (Printed name and title)

(Printed name and title)

⁴ The amount of the Bond shall be denominated in the currency of the *Employer*'s country or the equivalent amount in a freely convertible currency.

Form of Bid-Securing Declaration

Date:	
Bid No.:	
Alternative No.:	

To: ___

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Borrower for the period of time of ______, starting on

(a) have withdrawn our Bid during the period of bid validity specified in the Letter of Bid; or

(b) having been notified of the acceptance of our Bid by the Employer during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the ITB.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Signed: ___

In the capacity of _____

Name: _

Duly authorized to sign the bid for and on behalf of:

Dated on _____, ____,

Corporate Seal (where appropriate)

Manufacturer's Authorization

Date:		
ICB No.:		
То:		
WHEREAS		
We	, who are official manufacturers of	, having
factories at	, do hereby authorize	to submit a
	to provide the following goods, manufactured by us	
	_, and to subsequently negotiate and sign the Contract.	
-	the goods offered by the above firm.	
Name:		
Title:		
Duly authorized to sign this	s Authorization on behalf of:	
Dated on da	av of	