FIJI ELECTRICITY AUTHORITY

FEA Headquarters 2 Marlow St Suva

TENDER NO: MR 135/2017

SUPPLY OF MULTICORE 110V DC CONTROL CABLES, AC CABLES AND MARINE GRADE CABLE GLANDS FOR Rarawai, Vuda, Natadola, Pineapple Corner, Deuba and Wailekutu SUBSTATION CONTROL PANEL & CIRCUIT BREAKER UPGRADE PROJECTS.



INVITATION TO TENDER

The Fiji Electricity Authority ("The Employer") invites sealed bids from suitable companies for the supply, packing and transporting (CIF to Navutu Depot) of "<u>Multicore 110V DC</u> <u>Control Cables, AC Cables and Cable Glands for Rarawai, Vuda, Natadola, Pineapple Corner, Deuba and Wailekutu Protection Control Panel & 33kV Circuit Breaker Upgrade Projects".</u>

All tenders for the contract shall be submitted on the appropriate forms provided and shall include the completed price schedule, technical schedule etc. The bid shall be on the basis of a lump sum contract based on firm prices.

During evaluation of tenders the Authority will invite a tenderer or tenderers for discussions, presentations and any necessary clarification before awarding of the contract.

The tender submissions close on Wednesday, 19th July, 2017 at 1600hrs (local) Fiji Time.

Further information for this tender may be acquired from:

Tuvitu Delairewa General Manager Commercial Fiji Electricity Authority 2 Marlow Street, Suva, Fij. Phone: 679 3224 185 Email: TDelairewa@fea.com.fj

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1 INSTRUCTIONS TO TENDER

1.1 GENERAL

The Fiji Electricity Authority (hereinafter called the Authority) is a statutory body vested with the responsibility for the provision of electricity supply throughout Fiji. The Authority is currently implementing its asset upgrade plan to phase out the old 33kV breakers and control panels and replace new to improve the system reliability. The scope for this tender is for the supply of Multicore 110V DC Control Cables, AC Cables and Cable Glands for <u>Rarawai, Vuda, Natadola, Pineapple Corner, Deuba and Wailekutu</u> – armored flexible and unarmored flexible.

1.2 TYPE OF TENDER

The Tenderer shall submit a fixed price tender. This requirement shall apply equally to the conforming tender as well as any alternative tender.

1.3 COMPLIANCE WITH INSTRUCTIONS

The Tender shall be submitted in accordance with these Instructions and the letter of invitation to tender. All the necessary forms and schedules need to be completed and submitted with the tender.

1.4 ADDENDA TO TENDER

Where the Authority finds it necessary to make amendments to or clarify the requirements of the tender documents during the period of tendering three copies of each Addendum will be forwarded. In the Appendix to Tender shall state the reference number and description of each of the aforesaid Addenda which has been considered during preparation of the Tender.

1.5 COMPLIANCE WITH SPECIFICATION

The tender shall be based on the equipment and work specified and shall be in accordance with the Technical Specification. It should be noted that unless departures from specifications are detailed in Schedule I of the Technical Specification, the tender would be taken as conforming to the Specification in its entirety. The Tenderer shall tender for the whole of the Works included in the Specification.

1.6 DELIVERY PERIODS

The Tenderer shall submit his tender on the basis which will permit the Works to be completed under normal circumstances by the completion dates stated in Schedule 3 of the Technical Specification. Suppliers with delivery of 4 weeks after the signing of the contract and issuance of the PO.

1.7 CURRENCY AND CURRENCY EQUIVALENT

The tender shall be in the currency of the Tenderer's home country. Preference will be given to Australian and New Zealand dollar currency. For Tender comparison purposes the currency or currencies in which the tender is offered will be valued in terms of Fijian dollars at the exchange rate quoted for the sale of the foreign currency for Fijian dollars quoted by the Reserve Bank of Fiji on the day the tenders are opened. All local companies registered in Fiji shall bid in VIP and Duty inclusive.

1.8 SIGNATURE OF TENDERER

A tender submitted by a Partnership shall be signed by one of the members of the Partnership and shall be accompanied by a certified authorization of all the partners authorizing the individual partner to sign on behalf of the Partnership. A tender submitted by a Corporation to the Contract and shall be accompanied by a certified resolution of the Board of Directors authorizing the individual to sign on behalf of the Corporation.

1.9 INFORMATION FORMING PART OF THE TENDER

The Tenderer shall supply with each set of the tender copies of the technical, price and information schedules of the Tender Documents duly completed with all missing information and shall also supply requisite drawings. A copy of the Tenderer's covering letter (if any) shall be submitted with each tender and each tender shall be accompanied by a full set of supporting matter which the Tenderer wishes to have considered by the Authority as supporting information for his tender. It is a mandatory requirement to submit the following documents as part of the tender proposal:

- 1. Tender Covering Letter with signature/seal of authorised signatory
- 2. Price & Payment Schedule
- 3. List of Experience
- 4. Confirmation of Insurance Policies

1.10 CONFORMING AND ALTERNATIVE TENDERS

No alternative bids shall be accepted.

1.11 NON CONFORMING TENDERS

A tender which does not comply with the Conditions of Tendering or in which the technical price information schedules requiring information to be inserted by the Tenderer have not been completed in all respects may be considered informal will be rejected for these reasons.

1.12 VALIDITY PERIOD OF TENDERS

Tenders shall remain valid for acceptance within **60 days** from the date of opening of tenders and a Tenderer shall not withdraw or amend his tender prior to the expiration of the Validity Period. In exceptional circumstances prior to expiry of the original tender validity period, the Authority may request the Tenderer for an extension in the period of validity. The request and the response thereto shall be in writing. A tenderer agreeing to the request will not be permitted to amend his tender price.

1.13 EXTENSION OF CLOSING TIME FOR TENDERS

The right is reserved to amend the date set for the opening of tenders to any late date. If it is decided to extend the time for submission of tenders all prospective Tenderers to whom tender documents have been issued will be promptly notified.

1.14 MANDATORY LODGEMENT OF TENDER Tender Submission - Instruction to bidders

It is mandatory for Bidders to upload a copy of their bid in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 19th July, 2017.**

To register your interest and tender a response, view 'Current Tenders' at: https://www.tenderlink.com/fea

For further information contact The Secretary Tender Committee, by e-mail **TDelairewa@fea.com.fj**

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the FEA Head Office, 2 Marlow Street, Suva, Fiji no later than **4:00pm, on Wednesday 19th July, 2017-** Addressed as

Tender – MR 135/2017 – Supply of Multicore 110V DC Control Cables, AC Cables and Marine Grade Cable Glands for Substation Projects

The Secretary Tender Committee Fiji Electricity Authority Head Office Suva Fiji

Hard copies of the Tender bid will also be accepted after the closing date and time provided a <u>soft copy is uploaded in the e-Tender Box</u> and it is dispatched before the closing date and time.

Tenders received after <u>4:00pm</u> on the closing date of Wednesday 19th July, 2017.

- will not be considered.
- > Lowest bid will not necessarily be accepted as successful bid.
- It is the responsibility of the bidder to pay courier chargers and all other cost associated with the delivery of the hard copy of the Tender submission including any Duties/Taxes. Hard copies of the Tender submission via Post Box will not be considered.

1.15 ACKNOWLEDGEMENT OF TENDERS

All tenders received will be acknowledged by post/email within 7 days after the date set for receipt of tenders.

1.16 TENDER EVALUATION

After a preliminary analysis to ascertain whether or not the tender is in accordance with the requirements of the tender documents each tender will be considered with particular reference to its eligibility as being a manufacturer, offer testing facilities in its workshop, price, completion date, design capability, evidence of past performance on contracts of a similar nature, supply of reliable quality equipment and all other matters affecting the Tenderers ability to complete the Contract in accordance with the Authority's requirements.

1.17 ADJUSTMENT OF ERRORS

The Authority reserves the right to adjust arithmetical or other errors in the Tender. Any adjustments made by the Authority to a Tender will be stated to the Tenderer prior to acceptance of the Tender. In the event of discrepancies appearing between words and figures in the Tender, the words shall prevail.

1.18 ACCEPTANCE OF TENDERS

The Authority shall not be bound to accept the lowest or any tender not to assign any reason for the rejection of a tender and reserves the right to waive any informality in a tender. No tender shall be deemed to have been accepted unless such acceptance is notified to the Tenderer by notice in writing either by handing such notice to the representative of the successful Tenderer or by sending such notice by e-mail, facsimile or airmail post. Such notice shall include any essential identifying details of the tender. The date of acceptance of Tender shall be the date on which the above mentioned notice is given or posted or e-mailed.

1.19 LANGUAGE OF TENDER

All Tenders together with any documents submitted by the Tenderer as part of any Tender shall be written in the English language.

1.20 PAYMENT SCHEDULE

The contract shall be on a lump sum fixed price basis. The payment schedule will be broken down as follows:

- a) 95% upon receipt of goods by FEA.
- b) 5% upon expiry of the warranty period (24 months from receipt of the goods)

1.21 CONDITIONS OF CONTRACT

The Conditions of Contract shall be the AS/NZS 4911:2003 – General Conditions of Contract for the Supply of Equipment without Installation.

1.22 INSURANCE

The Contractor is to confirm that they have in effect the insurance policies below:

- 1. Public and Products Liability Insurance
- 2. Industrial Special Risk Insurance
- 3. Insurance for Workmen's Compensation

2 SCOPE

The scope of works for contract is for the Supply, packing and shipping (CIF to Navutu Deport) of the following:

Supply of Armoured flexible DC Control Cable

The contractor shall supply the following quantity of armored DC cables with the following sizes.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
	4.0 mm ²	2	0.6/1kV	110V DC	3000
	2.5 mm ²	2	0.6/1kV	110V DC	2000
	2.5 mm ²	4	0.6/1kV	110V DC	3000
Armoured flexible DC	2.5 mm ²	8	0.6/1kV	110V DC	3000
Cable	2.5 mm ²	12	0.6/1kV	110V DC	3000
	2.5 mm ²	16	0.6/1kV	110V DC	2000
	2.5 mm ²	20	0.6/1kV	110V DC	3000
	2.5 mm ²	27	0.6/1kV	110V DC	2500

Supply of Unarmoured DC Control Cable

The contractor shall supply the following quantity of unarmored DC cables with the following sizes.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
	4.0 mm ²	2	0.6/1kV	110V DC	1000
	2.5 mm ²	2	0.6/1kV	110V DC	500
	2.5 mm ²	4	0.6/1kV	110V DC	1000
Unarmoured flexible DC	2.5 mm ²	8	0.6/1kV	110V DC	1000
Cable	2.5 mm ²	12	0.6/1kV	110V DC	1000
	2.5 mm ²	16	0.6/1kV	110V DC	500
	2.5 mm ²	20	0.6/1kV	110V DC	1000
	2.5 mm ²	27	0.6/1kV	110V DC	1000

Supply of Armoured AC Power Cable

The contractor shall supply the following quantity of armored AC cables with the following sizes. Please note, for "2 + E", there shall be two cores of copper wire plus a core of earth wire separately. Same for "3 + E", there shall be three cores of copper wire plus a core of earth wire separately.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
	2.5 mm ²	2 + E	450/750V	240/415V	3000
	4.0 mm ²	2 + E	450/750V	240/415V	2000
Armoured	2.5 mm ²	3 + E	450/750V	240/415V	1500
AC Cable	6.0 mm ²	3 + E	450/750V	240/415V	2000
	10.0 mm ²	3 + E	0.6/1kV	240/415V	1000
	16.0 mm ²	3 + E	0.6/1kV	240/415V	1000

Supply of Unarmoured AC orange circular Power Cable

The contractor shall supply the following quantity of unarmored AC cables with the following sizes. Please note, for "2 + E", there shall be two cores of copper wire plus a core of earth wire separately. Same for "3 + E", there shall be three cores of copper wire plus a core of earth wire separately.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
	2.5 mm ²	2 + E	450/750V	240/415V	2000
	4.0 mm ²	2 + E	450/750V	240/415V	1500
Unarmoured	2.5 mm ²	3 + E	450/750V	240/415V	1500
AC Cable	6.0 mm ²	3 + E	450/750V	240/415V	1500
	10.0 mm ²	3 + E	0.6/1kV	240/415V	1500
	16.0 mm ²	3 + E	0.6/1kV	240/415V	1500

Supply of Control Cable Stainless Steel Marine grade Glands

The bidder shall supply the following cable glands as well. Please not, these glands shall be able to hold both armored and unarmored cables. The sizes of stainless steel marine grade glands suitable to the control cables being supplied. The bidder to ensure the cables matches the glands and provides all literature and drawings to confirm.

No.	Gland Sizes	Quantity in total
1	M16	500
2	M20	500
3	M25	500
4	M32	500
5	M40	500
6	M50	100

3. Specification

DC Cables

The bidder shall comply with the following specifications of the DC Cables. This includes both armored and unarmored cables.

		ble Size	4.0 mm ²	2.5 mm ² 20	2.5 mm ²					
	NO.	of Cores With Green Yellow	2	2	4	8	12	16		27
Unarmourned		Core	Yes	Yes						
flexible DC Cable	Construction	Colour	Black	Black						
Cable	Characteristics	Outer Sheath	PVC	PVC						
	Characteristics	Insulation	V-90	V-90						
		Number of Earth Cores	1	1	1	1	1	1	1	1
	Са	ble Size	4.0 mm ²	2.5 mm ²	2.5 mm²					
	No.	of Cores	2	2	4	8	12	16	20	27
A		With Green Yellow Core	Yes	Yes						
Armourned flexible DC		Colour	Black	Black						
Cable	Construction	Outer Sheath	PVC	PVC						
	Characteristics	Insulation	V-90	V-90						
		Number of Earth Cores	1	1	1	1	1	1	1	1
		Armour type	Steel Wires	Steel Wires						

All the DC cables shall comply with AS/NZS 1125 with PVC sheathed to AS/NZS 5000.1 standard. All the standard applicable to the above items shall be clearly showed in the bidding document.

All DC cables Armoured flexible and Unarmoured flexible, shall have one core of earth wire with yellow and green color code.

For the above table, bidders shall clearly show if all the required specifications are compiled or not.

For the below table, bidders shall fill in the data for each required specifications for each size of the cables.

		Cable Size	4.0 mm ²	2.5 mm²	2.5 mm ²	2.5 mm ²	2.5 mm²	2.5 mm ²	2.5 mm ²	2.5 mm ²
		No. of Cores	2	2	4	8	12	16	20	27
	Dimensional	Nominal Overall Diameter								
Unarmoured	Characteristics	Approximate weight Inductive reactance at 50Hz								
flexible DC Cable		Max. DC resistance of the conductor at 20 degrees								
	Electrical Characteristics	Conductor AC resistance at 50Hz								
		Insulation resistance at 20 degrees								
		Rated Voltage (Um)								
	1		1		1	1		1		
		Cable Size	4.0 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm²	2.5 mm ²	2.5 mm ²
		No. of Cores	2	2	4	8	12	16	20	27
		Nominal diameter over bedding								
	Dimensional Characteristics	Diameter over armour								
	characteristics	Nominal Overall Diameter								
Armourned		Approximate weight								
flexible DC Cable		Inductive reactance at 50Hz								
	_	Max. DC resistance of the conductor at 20 degrees								
	Electrical Characteristics	Conductor AC resistance at 50Hz								
		Insulation resistance at 20 degrees								
		Rated Voltage (Um)								

AC Cables

The bidder shall comply with the following specifications of the AC Cables. This includes both armored and unarmored cables.

	Ca	able Size	2.5 mm ²	4.0 mm ²	2.5 mm ²	6.0 mm ²	10 mm ²	16 mm²
	No. of Cores		2	2	3	3	3	3
		Conductor Material	Copper	Copper	Copper	Copper	Copper	Copper
Unarmour ed AC	Constructio	With green/yellow core	Yes	Yes	Yes	Yes	Yes	Yes
Cable	n	Outer Sheath	PVC	PVC	PVC	PVC	PVC	PVC
	Characterist ics	Type of Conductor	Strande d Copper	Strande d Copper	Strand ed Copper	Strande d Copper	Strand ed Copper	Strande d Copper
		Number of Earth Cores	1	1	1	1	1	1
		·						
	Ca	able Size	2.5 mm ²	4.0 mm ²	2.5 mm ²	6.0 mm ²	10 mm ²	16 mm²
	No. of Cores		2	2	3	3	3	3
		Conductor Material	Copper	Copper	Copper	Copper	Copper	Copper
			Strande	Strande	Strand	Strande	Strand	Strande
		Type of Conductor	d Copper	d Copper	ed Copper	d Copper	ed Copper	d Copper
Armoured DC Cable	Constructio n	With green/yellow core	Yes	Yes	Yes	Yes	Yes	Yes
	 Characterist	Insulation	V-90	V-90	V-90	V-90	V-90	V-90
	ics	Armour type	Steel Wires	Steel Wires	Steel Wires	Steel Wires	Steel Wires	Steel Wires
		Outer Sheath	PVC	PVC	PVC	PVC	PVC	PVC
		Colour	Orange	Orange	Orange	Orange	Orange	Orange
	Number of Earth Core	1	1	1	1	1	1	

All the AC cables shall comply with AS/NZS 1125 with PVC sheathed to AS/NZS 5000.1 standard. All the standard applicable to the above items shall be clearly showed in the bidding document.

All AC cables, Armourned and Unarmoured, shall have one core of earth wire with yellow and green color code.

For the above table, bidders shall clearly show if all the required specifications are comply or not.

For the below table, bidders shall fill in the data for each required specifications for each size of the cables.

		Cable Size	2.5 mm ²	4.0 mm ²	2.5 mm ²	6.0 mm ²	10 mm²	16 mm²
		No. of Cores	2	2	3	3	3	3
		Nominal insulation						
	Dimension	thickness						
		Nominal outer sheath						
		thickness						
	Characteris	Earth conductor cross						
	tics	section						
Unarmour		Nominal Overall						
ned DC		Diameter						
Cable		Approximate weight						
		Inductive reactance at						
		50Hz						
		Max. DC resistance of						
	Electrical	the conductor at 20						
	Characteris	degrees						
	tics	Conductor AC resistance						
		at 50Hz						
		Insulation resistance at						
		20 degrees						
		Rated Voltage (Um)						
			4.0	2.5	2.5	2.5	2.5	2.5
		Cable Size	4.0 mm ²	mm ²	mm ²	mm ²	2.5 mm ²	mm ²
		No. of Cores	•		4	-		16
			2	2	4	8	12	10
		Earth Conductor cross	2	2	4	8	12	10
		Earth Conductor cross section	2	2	4	8	12	10
			2	2	4	8	12	10
	Dimension	section	2	2	4	8	12	10
	Dimension al	section Nominal Overall	2	2	4	8	12	
		section Nominal Overall Diameter		2	4	8	12	
	al	section Nominal Overall Diameter Nominal insulation		2	4	8		
Armourne	al Characteris	section Nominal Overall Diameter Nominal insulation thickness		2	4	8		
Armourne d DC Cable	al Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over		2	4	8		
	al Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding		2		8		
	al Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour		2	4	8		
	al Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight		2	4	8		
	al Characteris tics	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of		2				
	al Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of the conductor at 20		2		8		
	al Characteris tics Electrical Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of the conductor at 20 degrees		2				
	al Characteris tics Electrical	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of the conductor at 20 degrees Conductor AC resistance						
	al Characteris tics Electrical Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of the conductor at 20 degrees						
	al Characteris tics Electrical Characteris	section Nominal Overall Diameter Nominal insulation thickness Nominal diameter over bedding Diameter Over Armour Approximate Weight Inductive reactance at 50Hz Max. DC resistance of the conductor at 20 degrees Conductor AC resistance						

Marine Stainless steel Cable Glands

The glands shall be nylon type, with the following features:

No	Features	Bidders Remarks
1	It shall be at least IP66 or above.	
2	At least comprehensive to 5 bar pressure rate	
3	Superior strain relief	
4	Trapezoidal thread for quick high torque tightening	
5	Large cable range with each gland	
6	No throw away O-rings – one seal for whole range	
7	Black material for extended exterior use	
8	Long metric thread to suit Australian requirements	
9	Washer Material : EPDM rubber	

The Marine grade stainless steel glands shall have the following specifications, also the bidder to provide necessary specifications of the glands. This shall be filled in the table below.

No	Specifications	Required	Bidders Remarks
1	Compliance and Standard	DIN VDE 0919	
2	Breakdown Voltage	60kV/mm	
3	Volume Resistivity		
4	Density		
5	Tensile Strength		
6	Plastic deformation temperature	200°C	
7	Material	Polyamide	
8	Chemical Resistance	Fuels, oils, alkalis	
9	Continuous operating temperature		

Below is the table as for reference of the gland sizes with the cable acceptance sizes. The bidders shall provide the details of the cable sizes suitable for each gland size, that is, for each gland size, what is the minimum and maximum size of cable that could suitably fit. The table shall be filled by the bidders.

No	Gland Size	Cable Acceptance – Outer Sheath	
		Min	Max
1	M16		
2	M20		
3	M25		
4	M32		
5	M40		
6	M50		

Financial

The bidders shall fill the details in the below table for the financial information of the required scope of work.

Cable Description	Cable Size	Number of Cores	Cable length (metres)	Price (VIP FJD)	
	4.0 mm ²	2	3000		
	2.5 mm ²	2	2000		
	2.5 mm ²	4	3000		
Armoured flexible DC	2.5 mm ²	8	3000		
Cable	2.5 mm ²	12	3000		
	2.5 mm ²	16	2000		
	2.5 mm ²	20	3000		
	2.5 mm ²	27	2500		
	4.0 mm ²	2	1000		
	2.5 mm ²	2	500		
	2.5 mm ²	4	1000		
Unarmoured	2.5 mm ²	8	1000		
flexible DC Cable	2.5 mm ²	12	1000		
	2.5 mm ²	16	500		
	2.5 mm ²	20	1000		
	2.5 mm ²	27	1000		
	2.5 mm ²	2 + E	3000		
Armoured	4.0 mm ²	2 + E	2000		
orange	2.5 mm ²	3 + E	1500		
circular AC	6.0 mm ²	3 + E	2000		
Cable	10.0 mm ²	3 + E	1000		
	16.0 mm ²	3 + E	1000		
	2.5 mm ²	2 + E	2000		
Unarmoured	4.0 mm ²	2 + E	1500		
orange	2.5 mm ²	3 + E	1500		
circular AC	6.0 mm ²	3 + E	1500		
Cable	10.0 mm ²	3 + E	1500		
	16.0 mm ²	3 + E	1500		
Total Cable Cost					

No.	Gland Sizes	Quantity in total	Cost (VIP FJD)
1	M16	100	
2	M20	500	
3	M25	500	
4	M32	500	
5	M40	200	
6	M50	100	
Total Gland Cost			

No.	Items	Cost (VIP FJD)
1	Total cost for cables	
2	Total cost for glands	
3	Cost for delivery to Navutu Depot & other	
4	Total Tender Cost	

Please note, all the required tables shall be filled in order for thorough evaluation purpose. Failure to do so may result in disqualification of the bid.

QUALITY OF MATERIALS AND WORKMANSHIP

All cables supplied by the company under this contract shall be new and of the high quality and class most suitable for working under the conditions specified and shall withstand the variations of temperature, atmospheric conditions arising under working conditions without distortion or deterioration or the setting up of undue stresses in any part and also without affecting the strength and suitability of the various parts of the work which they have to perform.

STANDARDS

IEC, IEEE and AS/NZS Standards are to be adopted in general. Any other national or international standard may be used if such standards are not less exacting than corresponding IEC Standard. In such an instance a copy of the relevant standard should be forwarded.

This standard must be specified in your submission.

PACKING

Cables shall be carefully packed for transport and shipment in such a manner that it is protected from all dust and climatic conditions during loading, transport, unloading and subsequent storage in the open.

WARRANTY

The Contractor shall provide warranty for cables supplied for a Period of twenty four [24] months after delivery of the equipment.

EVALUATION CRITERION

The evaluation shall be based on all the data bidders provide in the above given tables and the data given regarding the product itself.