



MR 332/2017

**MANUFACTURE, TESTING AND SUPPLY OF LOW-
VOLTAGE DISTRIBUTION BOARD FOR MHCC
UPGRADE PROJECT**

FIJI ELECTRICITY AUTHORITY

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REVISION HISTORY & DOCUMENT CONTROL

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1 INTRODUCTION AND SCOPE OF WORK

Fiji Electricity Authority ("FEA") is responsible for generation, transmission and distribution of electricity in Viti Levu, Vanua Levu, Ovalau and Tavueni in Fiji. By the end of 2016, the FEA had 174,530 customers. This included residential, commercial and institutional customers.

FEA is seeking tender bids from reputable manufacturers and suppliers for design, manufacture, testing and supply of low-voltage distribution boards for a customer-driven project. Two identical low-voltage distribution boards will be required, which will connect to the low-voltage terminal of a 2MVA, 11/0.415kV distribution transformer.

This tender specification outlines the instruction to bidders, design and performance criteria for the low-voltage distribution board.

2 INSTRUCTIONS TO BIDDERS

2.1 Eligible Bidders

This invitation is open to all Bidders who have sound Financial Background, and have previous experience in design, manufacture and supply of such low-voltage switchboards.

Bidders shall provide such evidence of their continued eligibility satisfactory to FEA as FEA shall reasonably request. Bidders who are not manufacturer of such equipment shall provide evidence of agency.

Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent practice.

2.2 Eligible Materials, Equipment and Services

The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies as specified by FEA and from various countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. Upon request, bidders may be required to provide evidence of the origin of materials, equipment, and services.

For purposes of this Contract, "services" means the works and all project-related services including design services.

For purposes of this Contract, "origin" means the place where the materials and equipment are mined, grown, produced or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing or substantial or major assembling of components, a commercial recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

The materials, equipment and services to be supplied under the Contract shall not infringe or violate any industrial property or intellectual property rights or claim of any third party.

2.3 One Bid Per Bidder

Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.

2.4 Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its bid and FEA will in no case be responsible or liable for those costs.

2.5 Site Visits

No site visits are required for this project.

2.6 Contents of Bidding Documents

The bidder is expected to examine carefully the contents of this Bidding document. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Bids which are not substantially responsive to the requirements of the bidding documents will be rejected.

2.7 Clarification of Bidding Documents

A prospective bidder requiring any clarification of the bidding documents may notify FEA in writing by fax (hereinafter the term "fax" is deemed to include electronic transmission such as facsimile, cable and telex), or email addressed to:

Tuvitu Delairewa
General Manager Corporate Services
2 Marlow Street, Suva, FIJI.
Phone: 679 3224 185
Facsimile: 679 331 1882
Email: TDelairewa@fea.com.fj

FEA will respond to any request for clarification which it receives earlier than 10 days prior to the deadline for submission of bids.

2.8 Amendment of Bidding Document

At any time prior to the deadline for submission of bids, FEA may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addenda.

2.9 Language of Bid

The bid, and all correspondence and documents related to the bid, exchanged between the bidder and the FEA shall be written in the English language.

2.10 Bid Prices

Unless specified otherwise, Bidders shall quote for the entire facilities on a "single responsibility" basis such that the total bid price covers all the Supplier's obligations mentioned in or to be reasonably

inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), testing and delivery.

Bidders shall give a breakdown of the prices in the manner and detail called for in this bidding document, or any issued addenda.

Bids shall be given a basis where the Supplier shall take full responsibility for freight of items to designated point of delivery. The point of delivery shall be the Suva Port in Viti Levu.

2.11 Bid Currencies

Prices shall be quoted in a single currency only.

2.12 Bid Validity

Bids shall remain valid for a period of **120 days** from the date of Deadline for Submission of Bids specified in Sub-Clause 2.15.

2.13 Format and Signing of Bids

The bidder shall prepare one original and four (4) copies of the technical and financial proposals, clearly marking each one as: "ORIGINAL-TECHNICAL & PRICE PROPOSAL", "COPY NO. 1 - TECHNICAL & PRICE PROPOSAL", etc. as appropriate. In the event of discrepancy between the original and any copy, the original shall prevail.

The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid.

The bidder shall provide one electronic copy of the Technical and Financial proposals on FEA's electronic tender hosting website, <https://www.tenderlink.com/fea>.

The bid shall contain no alterations, omissions or additions, except those to comply with instructions issued by FEA, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

2.14 Sealing and Marking of Bids

The bidder shall seal the original copy of the technical proposal and the original copy of the price proposal and each copy of the technical proposal and each copy of the price proposal in separate envelopes clearly marking each one as: "ORIGINAL-TECHNICAL & PRICE PROPOSAL", "COPY NO. 1 - TECHNICAL & PRICE PROPOSAL", etc. as appropriate.

The bidder shall seal the original bids and each copy of the bids in an inner and an outer envelope, duly marking the envelopes as "ORIGINAL", "COPY No. 1", etc.

The inner and outer envelopes shall

- a) be addressed to FEA at the following address:

Tuvitu Delairewa
General Manager Corporate Services
2 Marlow Street, Suva, FIJI.
Phone: 679 3224 185
Facsimile: 679 331 1882
Email: TDelairewa@fea.com.fj

And

b) bear the following identification:

- Bid for: Manufacture, Testing and Supply of Low-voltage Distribution Board for MHCC Upgrade Project
- Bid Tender Number: MR 332/2017
- DO NOT OPEN BEFORE: 1600hrs on 6/12/17

In addition to the identification required, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Deadline for Submission of Bids.

If the outer envelope is not sealed and marked as above, FEA will assume no responsibility for the misplacement or premature opening of the bid.

2.15 Deadline for Submission of Bids

Bids must be received by FEA at the address specified above no later than 1600 hours (Fiji Time) 6/12/2017.

FEA may, at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of FEA and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

2.16 Late Bids

Any bid received by FEA after the deadline for submission of bids prescribed above will be rejected and returned unopened to the bidder.

2.17 Modification and Withdrawal of Bids

The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by FEA prior to the deadline for submission of bids.

The bidder's modification or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with Sealing and Marking of Bids, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate. A withdrawal notice may also be sent by fax but must be followed by a signed confirmation copy.

No bid may be modified by the bidder after the deadline for submission of bids.

2.18 Rejection of One or All Bids

FEA reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the rejection.

2.19 Process to be Confidential

Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process.

Any effort by a bidder to influence FEA's processing of bids or award decisions may result in the rejection of the bidder's bid.

Lowest bid will not necessarily be accepted as successful bid.

2.20 Clarification of Bids

To assist in the examination, evaluation and comparison of bids, FEA may, at its discretion, ask any bidder for clarification of its bid. The request for clarification and the response shall be in writing or by fax, but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by FEA in the evaluation of the bids.

3 GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract shall be based upon AS 4911 – 2002 General Conditions of Contract for Supply of Equipment Without Installation.

The Conditions of Contract comprises two parts:

1. Part 1 – General Conditions; and
2. Part 2 – Conditions of Particular Application

4 CONDITIONS OF PARTICULAR APPLICATION

1. Tenderer shall accept FEA's payment terms of 30 days after the invoice is approved.
2. Tenderer shall accept FEA's condition that there shall be no advance payment.
3. Tenderer shall accept FEA's financial condition that FEA will commence processing payment of 95% of the lump sum bid price upon delivery to site and remaining 5% upon completion of defects liability period.
4. Tenderer shall accept a defects liability period of 12 months from the date the equipment is delivered to the designated delivery point.
5. Tenderer shall complete and submit Schedule C in the tender specifications with its Bid.

5 REFERENCES

5.1 Applicable Standards

Switchgears supplied with shall be designed, manufactured and tested in accordance with the following Standards and all amendments issued prior to the date of closing of tenders except where varied by this Specifications.

AS 1580.0	Paints and related materials – Methods of test
AS 1824	Insulation Coordination: Part 1 – Definitions, principles and rules
AS 2067	Substations and High Voltage Installations Exceeding 1kV AC
AS 2312	Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings
AS 3947.3	Low-voltage switchgear and controlgear – Switches, disconnectors, switch-disconnectors and fuse combination units
AS/NZS 4680	Hot-Dip Galvanised (Zinc) Coatings on Fabricated Ferrous Articles
AS 60529	Degrees of protection provided by enclosures (IP Code)
AS 60947	Low-voltage switchgear and controlgear (All parts)

Should inconsistencies be defined between Standards and this Specifications, this Specification will take precedence. However, significant inconsistencies shall be referred to FEA for resolution.

5.2 Applicable Laws

The Bidder warrants (without limiting any other warranties or conditions implied by law) that all Goods have been produced, sold and delivered to FEA in compliance with all applicable laws (including all workplace health and safety and electrical safety legislations and codes of conduct).

6 SERVICE CONDITIONS

6.1 Environmental Conditions

The equipment shall be suitable for installation indoor and shall be designed to withstand the following service conditions of:

Atmosphere	:	Saliferous, corrosive and dusty
Ambient temperature	:	Peak : 40°C
	:	24 Hour Average: 30°C
	:	Annual Average: 22°C
	:	Minimum: 15°C
Relative Humidity (Average)	:	85%
Seismic	:	To a maximum of 7 on the open-ended Richter Scale

Note: Fiji is situated in a region where cyclones are experienced frequently. All plant and equipment shall be designed and constructed to withstand these extreme conditions.

6.2 System Conditions

The rated frequency of FEA's power system is 50 Hz. The system voltages are tabulated below.

Particulars	240V/415V
Nominal System Voltage	240V (p-n), 415V (p-p)
Highest (Equivalent) System Voltage:	254V (p-n), 440V (p-p)
Number of phases:	3
Impulse Withstand voltage (peak):	10kV peak
Power frequency withstand voltage:	2.5kV AC rms

The neutral of the LV system is effectively earthed.

The air temperature inside the substation may reach 40 deg C due to transformer losses and additional heat from the switchgear and fuses. All ratings and equipment must be suitable for this environment.

7 DESIGN AND PERFORMANCE CRITERIA FOR LOW-VOLTAGE SWITCHGEAR

7.1 General

The switchboard will be dead front and be designed such that all installation, maintenance and repair activities can be easily performed without the need to access the rear or approach live terminals. The switchboard design will allow for the replacement of individual switchgear units while the busbars remain energized. It will be possible to terminate all outgoing circuits from the front of the switchboard.

The switchboard frame will be constructed to include a cable support bracket.

Sufficient space will be provided on the switchboard (or switches) for the attachment of operating labels to the switches and phasing labels for the LV busbars. The operating labels will be 50 mm long x 25 mm wide and the phasing labels 20 mm long x 20 mm wide.

The labels for the transformer switch-disconnector and LV busbars will be supplied fitted to the switchboard. The transformer switch-disconnector is to be labelled "Transformer Isolator". The busbar will be labelled 'a', 'b', 'c' (top to bottom).

All solid insulating materials used will be fire resistant. They will not ignite spontaneously and will cease to smoulder or melt immediately on removal of the heat source.

Busbar configurations designed to minimise EMF levels are preferred.

Full details of the LV switchboards will be provided by the Bidder and will be subject to approval by the FEA. Any minor costs associated with modifications to suit FEA will be provided at no cost.

FEA intends to use 4x 500mm² low-voltage cables to terminate on the transformer incomer circuit and provision shall be made by the bidder for such terminations.

7.2 Busbars

The busbars on each low-voltage switchboard shall have a minimum continuous rating of 3000 Amps. The busbar system of all switchboards will be rated for a minimum short circuit current of 20 kA for 1 second.

All holes will be predrilled with nutserts (or equivalent) fitted and all spare holes will be fitted with switchgear mounting bolts. Removable insulating covers will be provided over all unused/spare switch positions.

7.3 Transformer and Circuit Protection Air Circuit Breakers

The Supplier shall install suitably sized air circuit breakers (ACB) to provide protection for two outgoing circuits and one incoming transformer circuit.

The fault current rating of the ACBs shall be same as that of the LV board. They shall be clearly labeled.

7.4 Insulation Level of Cable Terminations

An insulation level of 2500 V rms will be maintained between phases of each unit and adjacent units when the switch is terminated with uncovered lugs to suit the maximum cable size. The maximum cable lug dimensions shall be provided by the Bidder. Insulating barriers of fire resistant material would be acceptable for this purpose.

The switches will be supplied fitted with insulating covers to fit over the cable terminations.

7.5 Earth and Neutral Bars

The LV switchboard will be fitted with a neutral bar and an earth bar. The neutral and earth bars will be supported on insulators and attached to the switchboard frame. The insulators will provide an insulation level of at least 6 kV between the bars and the frame.

All holes in the bars will be fitted with "nutserts" (or equivalent) suitable for M12 bolts. A short section of bar (with the same cross-section as the neutral and earth bars) will be used to bond the earth and neutral bars. This bond will be located at the far right hand end of the switchboard.

The earth bar will have ten holes to allow for the connection of equipment and cable earths. It will not impede clear cable access to LV terminals and will not hinder connection of neutrals of outgoing circuits to the neutral bar.

A tinned copper neutral bar will be provided with hole centres to allow for the connection of the transformer neutral, LV surge arresters, LV feeder cables and large consumer's mains.

Additional holes will be provided to allow for the connection of the transformer neutral, LV earth bar link and outgoing LV feeder cables.

7.6 Earth Bonds

The switchboard frame and earth bar will be bonded to the main earth using separate cables and connections. Green/yellow PVC insulated cables with 70 mm² copper conductors will be used for this purpose. M12 lugs and bolts will be used for all connections.

The bond between the earth bar and the station earth will be easily accessible to allow its removal (by FEA if required). This bond will be used to reconfigure the substation earthing system and will be labeled "For Separate Earthing Remove This Cable".

7.7 Current Transformers and Maximum Demand Indication Meter

Current transformers and a maximum demand indication (MDI) meter will be required on the transformer incomer. FEA will use this to monitor the maximum demand on the transformers.

The MDI will consist of an electronic digital meter that will display each phase's instantaneous current and be capable of displaying the maximum phase currents since the meter was last reset.

The MDI supplied for each switchboard which must be removable without the need to have an outage on the LV switchboard. The MDI will be positioned to face the same side of the board as where the switching operations are performed.

A wiring loom must be provided which is long enough to reach from the removable MDI to the transformer mounted CTs (approx. 1.5m). The loom will be fitted in a flexible conduit, or cable, from the MDI to the transformer CT terminals. The conduit/cable will be fitted with a goose neck and sealed to prevent water entry. Lugs, with a 6mm hole, will be fitted to the end of the loom for connection to the transformer CT terminals.

Each MDI will be fitted with two (2) indicators. The first indicator will provide direct current readings and the second indicator will display the maximum reading since the last reset. The MDI will be suitably dampened to allow readings for variations in load that are maintained for 15 minutes (for electronic meters this can be an averaged value over 15min).

The MDI will provide clear readings from 0–130% of the transformer full rated load conditions.

7.8 Nameplate and Rating labels

Switchgear identification nameplates will contain the following minimum information:

- Manufacturer's name
- Date of manufacture
- Current ratings (continuous and fault)
- Category and type information

Individual nameplates will be supplied for all items of different functions, for example, ACBs will have their own nameplate etc.

8 TESTING

8.1 General

All required tests must be carried out by suitably qualified personnel. Tests must be carried out in laboratories suitable for such testing activity. Equipment used must have been properly calibrated and such certification must be current.

8.2 Type Tests

The following type tests are required on all individual components

Type Test	Test Method
1. Constructional requirements – materials, equipment, degree of protection, mechanical and electrical properties	AS 60947.1, Cl. 8.2
2. Operating limits	AS 60947.1, Cl. 8.3.3

Type tests on individual ACBs shall be performed in accordance with AS 60947.

Type tests on complete assembly shall be in accordance with AS 61439.1 and AS 61439.5.

8.3 Routine Tests

Routine tests on the complete assembly shall be required in accordance with AS 61439.1.

The Bidder shall make allowance for one FEA representative to visit the factory to inspect the low-voltage distribution board and witness the routine testing. The Bidder shall cover for all costs associated with such work, including (but not limited to) air-travel, hotel accommodation, meals and related costs.

8.4 Test Certificates

Two certified copies of all test results shall be supplied to FEA. Electronic copies shall also be submitted.

All test certificates shall include the manufacturer's serial number. On allocation, the corresponding FEA stock code, the order number, contract number must be added to the certificate, or attachment to the test report.

9 RELIABILITY

9.1 Service Life

Bidders are required to comment on the reliability of the equipment and the performance of the materials offered for a service life of 35 years under the specified system and environmental conditions.

9.2 Spare Parts and Maintenance

The supplier shall supply a list of recommended spare parts, special tools and appliances required for the whole of life operation and maintenance of the transformer installation. The list, together with prices, shall be indicated in the appropriate schedule. The supplier must also provide details (if required) of the recommended maintenance and the frequency at which it must be carried out. Details of the manufacturers repair capability and options shall be provided

9.3 Evidence in Support of Reliability

The supplier shall indicate and provide updates to FEA the mean time between failures (MTBF) of the LV board and its components including the recommended maintenance regime and maintenance tasks and intervals. This regime shall be based on the mean time between failure (MTBF) and the critical failure modes identified by the failure mode, effects and criticality analysis (FMECA) of the equipment. Details substantiating the FMECA analysis shall be included in the offer.

Such comments will include evidence in support of the reliability and performance claimed including information on Failure Mode and Effect Analysis.

10 ENVIRONMENTAL CONSIDERATIONS

Bidders are required to comment on the environmental soundness of the design and material used in the manufacture of the items offered. In particular, comments should address such issues as recyclability and disposal at end of service life.

Bidders are required to provide with the tender, EMF levels at transformer normal (balanced) maximum load. Such EMF levels are required at a point midway along each side, and diagonally out from each corner, at a distance of 1m above and beyond the base.

11 PACKAGING AND MARKING

The packaging of items by the Bidder must ensure that they are capable of being delivered undamaged giving due consideration to the quantity, distance of transportation and the preferred method of handling at each location.

The Bidder shall take all necessary precautions to ensure safe handling of all transformers and associated accessories supplied.

12 QUALITY REQUIREMENTS

12.1 Quality System

Bidders are required to submit evidence that the design, manufacture and testing of the LV board is in accordance with AS/NZS 9001.

Documentary evidence shall be provided concerning the level of Quality System Certification associated with the supplier and or manufacturer. This documentation shall include the Capability Statement associated with the Quality System Certification.

13 PRODUCT WARRANTY PERIOD

The Bidder is required to provide the warranty period as part of the proposal. A minimum warranty period of twenty-four (24) months from time of dispatch from factory shall be provided.

14 INFORMATION TO BE SUPPLIED BY THE BIDDER

14.1 Documentation to be supplied with the tender

To enable FEA to fully evaluate the transformer(s) offered, (in addition to the completed Specification Requirement and Guaranteed Performance schedules) the Bidder will submit the following information with their tender:

- List showing similar equipment supplied to or on order for other utilities in Australia or New Zealand or the Oceania region
- Typical arrangement drawings and full details of the dimensions of the switchgears
- Type test certificates for the LV board offered, or of similar design and rating (if available).
- Short circuit test details for equipment of similar design and rating.
- Sample inspection and test plans
- Typical installation and maintenance manuals for all components
- Full details of the protective coatings offered
- End of service life disposal method
- Detailed procedure for receiving, handling, lifting and storage
- A list of all departures of the tender from this specification
- Evidence of quality management systems
- Evidence of Health, Safety and Environmental plans
- Evidence of financial ability to provide the level of service and support

- Origin of materials used in the LV board
- Names and resumes of key team members who will be assigned to work with FEA upon successful award

Bidders may be asked to provide additional information during tender assessment period or following award of contract.

14.2 Training

Training material in the form of drawings, instructions and/or audio visuals shall be provided for all the items offered and accepted by FEA.

This material shall include but is not limited to the following topics:

- Handling
- Storage
- Installation
- Maintenance program
- Environmental performance
- Electrical performance
- Mechanical performance
- disposal

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 6th December 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 addition, 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 6th December 2017** - Addressed as

**Tender – MR 332/2017 Manufacture, Testing and Supply of Low-voltage Distribution
Board for MHCC Upgrade Project
The Secretary Tender Committee
Fiji Electricity Authority
Head Office
Suva
Fiji**

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

Tenders received after **4:00pm** on the closing date of **Wednesday 6th December, 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.

Local Bidders are requested to submit a:

- **Valid Tax Compliance Certificate**
- **FNPF Compliance Certificate**

SCHEDULE A: LIST OF EXPERIENCE, PERSONNEL & FINANCIAL STATEMENTS

Previous Experience

The Tenderer is to submit a list of Projects worked under with a similar scope, involving the design and manufacture of low-voltage control boards, in chronological order of year completed.

Client	Project Scope and Description	Approx. Project Value	Year Completed

Project Personnel

The Tenderer is to submit list of personnel who will work on this project and also provide their resumes in its bid.

Name	Designation	Duration of Employment with Company	Years of Experience

Financial Statements

The Tenderer shall also submit past three years audited financial statements and records showing its financial ability to undertake this project.

SCHEDULE B: PRICE AND PAYMENT SCHEDULE

Currency of Tendered Price:

Component	Unit Price	Quantity	Total Price
Manufacture and Supply of Low-Voltage Board		2	
Factory Inspection and Testing of LV Boards		1	
(Tenderer to add other items as required)			
Total			

The Payment Schedule shall be as per the table below:

Milestone	Percentage	Amount in Dollars
Receipt of Goods by FEA	95%	
Expiry of Warranty period (12 months after receipt of Goods)	5%	

Total Contract Price (in Words):

.....

Authorized Signatory of Tenderer:

Signature:

Name:

SCHEDULE C: AS 4911 ANNEX A (TO BE SUBMITTED BY TENDERER)

All Tenderers are required to complete and submit a copy of this form with their bid submissions.

Item		
1	Purchaser (Clause 1)	Fiji Electricity Authority (FEA)
2	Purchaser's Address	2 Marlow Street, Suva
3	Supplier (clause 1)	Supplier to provide
4	Supplier's Address	Supplier to provide
5	Stated purpose for equipment (clause 1 definition of acceptable)	As stated in tender specifications and/or purchase order
6	Period of time for delivery (Clause 1 and Sub-clause 19.1)	Supplier to provide
7	Delivery Place (Clause 1 and Sub-clause 19.1)	Suva Port, Fiji
8	Mode of Delivery (Sub-clause 19.1)	Supplier to provide
9	Governing Law (Clause 1(h))	Laws of Fiji
10	a) Currency (clause 1(g))	Supplier to provide
	b) Place for payments (clause 1 (g))	Supplier to provide
	c) Place of Business of bank (clause 1(d))	Supplier to provide
11	Limits of Quantities to be supplied and delivered (clause 2.2)	As stated in tender specifications and/or purchase order
12	Suppliers security	Not applicable
13	Purchaser's security	Not applicable
14	Purchaser supplied documents (sub-clause 6.2)	Tender specifications and addenda (where issued).
15	Supplier Supplied documents (sub-clause 6.3)	Supplier to provide
16	Time for Purchaser's direction about documents (sub-clause 6.3(c))	14 calendar days
17	Sub-contract work requiring approval (sub-clause 7.2)	All work.
18	Legislative Requirements, those excepted (sub-clause 10.1)	Not applicable
19	Reference date (clause 1, sub-clause 10.2(b))	Deadline for Submission of Bids, as defined in tender specifications
20	Time by which insurance cover for the Equipment is to be effected (sub-clause 13.1)	Prior to tender award.

21	Public and product liability insurance (sub-clause 13.2)	Supplier to provide
22	Qualifying cause of delay, causes for which EOTs will not be granted (page 3, subparagraph (b) (iii) of Clause 1 and sub-clause 17.2)	None.
23	Liquidated damages, rate (subclause 17.5)	0.5% per day upto 10% of the purchase order value
24	Delay Damages	As assessed by FEA
25	Date for completion of acceptance testing (subclause 18.1 and 21.1)	As stated in tender specification
26	Party responsible for unloading the <i>Equipment</i> (subclause 19.1)	FEA
27	When risk in the <i>Equipment</i> passes (subclause 20.1)	At time of acceptance by FEA.
28	Time at which ownership of the <i>Equipment</i> passes to the Purchaser (subclause 20.2)	At time of acceptance by FEA.
29	Period for <i>Purchaser's</i> notice that <i>Equipment</i> are rejected (subclause 21.1)	14 calendar days
30	Period for <i>Purchaser's</i> notice accepting or rejecting <i>Supplier's</i> proposal (subclause 21.4)	14 calendar days
31	Defects liability period (clause 22)	12 months
32	Invoice (subclause 24.1) Time for Invoice	Within 5 days of delivery
33	Period for Payment (subclause 24.1)	30 calendar days from time of acceptance by FEA
34	Equipment for which prepayment may be claimed (subclause 24.2)	Nil.
35	Interest rate on overdue payments (subclause 24.5)	Nil.
36	Arbitration (subclause 28.3) a) Person to nominate an arbitrator	President of Fiji Institute of Engineers
	b) Rules for arbitration	Laws of Fiji
37	The Supplier's liability is limited as follows (clause 29)	Purchase order value
38	The Purchaser's liability is limited as follows (clause 29)	Purchase order value

SCHEDULE D: SINGLE LINE DIAGRAM OF LV BOARDS



