



MR 197/2024

**INSTALLATION, CONFIGURATION, TESTING, AND COMMISSIONING
OF SEL3555 RTU AT NADARIVATU 132kV SUBSTATION TO REPLACE
THE 3332 SEL SUBSTATION SERVER**

PUBLICITY

NO PUBLICITY OR DETAILS ABOUT THIS PROJECT ARE TO BE DISCLOSED BY ANY BIDDER OR ANY OTHER ASSOCIATED PARTY WITHOUT THE WRITTEN PERMISSION OF EFL PRIOR TO, DURING, OR AFTER THE PROJECT IS AWARDED. IN GENERAL ANY PUBLICITY OR MEDIA ENQUERIES WILL BE DEALT WITH BY EFL.

ALL THOSE WHO REQUEST TO UPLIFT A COPY OF THIS TENDER HAVE AGREED NOT TO DISCLOSURE ANY INFORMATION REGARDING THIS TENDER.

1. GENERAL

1.1 The Company - EFL

Energy Fiji Limited, (formerly Fiji Electricity Authority), was established, incorporated and constituted under the provisions of the Electricity Act of 1966 and began operating from 1 August of that year. The powers, functions and duties of EFL under the Electricity Act are for the basic purpose of providing and maintaining an efficient and cost-effective power supply to the Fijian people in a safe and secure manner that meets high benchmarks in quality. EFL is entrusted with enforcing the Electricity Act and regulations, setting standards, examining and registering electricians, and is empowered to approve and license suppliers to serve certain areas. EFL is also governed by the requirements under the Public Enterprise Act. Fiji Electricity Authority (FEA) was corporatized into Energy Fiji Limited (EFL) on 16 April 2018, a public company limited by shares, and was registered under the Companies Act pursuant to regulations that were gazetted. In March 2017, a new Electricity Act 2017 was passed by Parliament and will come into effect on a date to be set by the Minister responsible for the Electricity Act 2017. Once the new Electricity Act 2017 comes into effect, the corporatized FEA will cease its regulatory functions, and such functions will be undertaken by the Fijian Competition and Consumer Commission.

The operations of the company are organized into three geographically defined divisions, which correspond to the national administrative divisions. These divisions are:

- Central Eastern Division based in the capital Suva
 - Suva, Lami, Navua, Tailevu, Levuka and part of the Coral Coast
- Western/Northern Division based in Lautoka
 - Lautoka, Tavua, Ba, Sigatoka, Vatukoula,
- Northern Division
 - Labasa, Savusavu, Taveuni

EFL provides electricity services to most parts of the country especially in the Viti Levu, Vanua Levu, Taveuni and Ovalau.



Figure 1 – Energy Fiji Limited coverage Area; EFL’s official website is: www.evl.com.fj

2. PURPOSE AND DESCRIPTION OF THE TENDER

The Energy Fiji Limited (EFL) is looking for Bids from reputable Companies who specializes in SCADA/PLC integration works for the **INSTALLATION, CONFIGURATION, TESTING, AND COMMISSIONING of SEL-3555 RTU AT NADARIVATU 132kV SUBSTATION**. The SEL3555 RTAC will replace the obsolete Substation SEL3332 server at Nadarivatu 132kV substation.

NOTE THAT EFL SHALL SUPPLY ALL EQUIPMENTS TO BE USED IN THIS PROJECT WHILE THE SUCCESSFUL BIDDER WILL ONLY CARRY OUT THE INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF THE NEW 3555 & 3530 RTU. Refer to section 14 on the proposed setup.

3. ELIGIBILITY / SELECTION CRITERIA OF THE BIDDER

Bidders shall be required to provide past projects/works carried out similar to the one to be carried out through this tender.

Other Information or Documents to be provided by the Bidder as part of the proposal are:

1. Methodology in carrying out this replacement work as the system will be replaced live.
2. Local bidders are to provide the following compliance documents:
 - a. FNPF
 - b. FNU
 - c. FIRCA
3. For overseas bidder, labour & Training cost would attract 15% WHT.

ONLY those who have over 5 years' experience in carrying out similar work will be considered.

4. BIDDER DETAILS

The Bidder shall provide all the necessary information specified in the tables below:

General
The Registered Name of the Bidder:
Business Address for correspondence: <i>(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
Contact Name of the Authorised Person:
Contact's Position: <i>Contact addresses if different from above</i> <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>
Business Structure:
Include the organisations years of experience in this field and reputation in the market place.

5. OTHER VALUE ADDED SERVICES

The Bidder is open to include any other information that may add value to their Product or Bid.

6. TECHNICAL SUPPORT

- i. Bidder should provide details of what Technical Support is available to EFL to make better use of their product and/or services.
- ii. Include relevant Operation & Maintenance Manuals and Instructions for proper care and handling of the offered product and accessories by the EFL Technical Team who will be responsible for the Installation and Maintenance of the offered product.

7. PRODUCT INFORMATION

Bidders must include the following document together with their Bid:

- Full Product Specification.
- Relevant Test Certificates.
- Standard Compliance Certificate.
- Safety Standards and Procedures.
- Installation Standards and Operation Procedures Manuals

8. DEFECTS WARRANTY PERIOD

All “Goods” shall be supplied with a **Warranty Period of not less than 3 Years** from the date of the official Installation and Commissioning of the offered product.

During the Warranty Period, defective parts shall be returned to the Supplier for replacement on a pick-up exchange and return-delivery basis.

9. PRICE VALIDITY

The offered price shall remain valid for acceptance within 90 working days from the date of opening of Bids and Bidders shall not withdraw or amend their proposal prior to the expiration of the validity period. **Price Validity of more than 90 working days is highly accepted.**

In exceptional circumstances prior to expiry of the original validity period, EFL may request the Supplier for an extension in the period of validity. The request and the response thereto shall be in writing. **A supplier agreeing to the request will not be permitted to amend their Tender Price**, during this process.

10. PAYMENT TERMS

Payment details are as follows:

- 1) **EFL shall pay the Invoice Amount in Foreign currency to the Overseas Bank Account nominated by the successful supplier within 30 days of the completion of the expected Scope of Works, after receiving the Supplier’s Invoice**, subject to the payment terms as per the Contractual Agreement.
- 2) **The Local Bidders will be paid in Fijian Dollars (VIP) within 30 working days after the completion of the expected Scope of Work and after receiving of the Supplier’s Invoice.**

Any Supplier requesting for advance payment shall provide EFL with a bank guarantee or Standby letter of Credit from EFL preferred commercial banks for the sum of the advance payment amount.

11. SCOPE OF WORKS

The successful Bidder is required to carry out the following Scope of Works:

- 1) Gather the required information on the existing 3332 RTU and its connectivity both virtual and physical to ensure that all points and functionalities are transferred to the new SEL-3555 RTAC. Also ensure that the GUI on the existing HMI is transferred to the new HMI.
- 2) Familiarize and confirm the current SEL3332 RTAC at Nadarivatu 132kV Substation SCADA System Layout and Configuration and remote connections, with the assistance from the EFL SCADA Team, Substation Team, and Protection Team. **NOTE:** The current I/O List will be provided by the EFL Technical Team to the successful Bidder. Some terms and words are in Chinese Language.
- 3) Prepare and submit a plan consisting of work breakdown(step by step), Schematics, Program logics, GUI Presentation prior executing and successful cutover of SEL3555 RTAC. Successful Bidder will be required to discuss the plan with all relevant EFL Stakeholders – SCADA, Substation, and Protection teams.
- 4) Install, Configure, Test, and Commission the required SEL-3555 RTAC, together with the configuration of a Local SCADA HMI at Nadarivatu Substation as per proposed setup as shown on Section 14.
- 5) Conduct the required Technical Training on SEL3555 Operation and Maintenance, together with the operation of the local SCADA HMI systems for substation Engineers/Technicians
- 6) Install and configure the new SEL3555 RTAC and its Local SCADA HMI System, based on the current SCADA Layout and interconnection.
- 7) Carry out all the required Local Test with all relevant EFL stakeholder – SCADA, Substation, and Protection Teams.
- 8) Carry out all the required Pre-Commissioning Test to the EFL SCADA Master Station with all relevant stakeholder – SCADA, Substation, and Protection Teams.
- 9) Carry out the required Full-Commissioning Process for the new SEL3555 and its Local SCADA HMI with the EFL National Control Centre (NCC), together with all relevant stakeholder –



SCADA, Substation, and Protection Teams.

- 10) Successfully complete the required handing over process and submit the Full Commissioning Reports, and all other related technical information, manuals, electrical drawings, diagrams, configurations, etc, to the EFL SCADA & Communication Department.
- 11) The bidder shall ensure that ALL existing points configured on the SEL 3332 RTU are successfully transferred to the new SEL 3555 RTU.
- 12) All existing controls, indications and metering shall be available after the commissioning of the new SEL 3555 RTU.

12. SEL3555 TECHNICAL SPECIFICATION AND REQUIREMENT

Specifications

Compliance

Designed and manufactured under an ISO 9001 certified quality management system

47 CFR 15B, Class A

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

UL Recognized to U.S. and Canadian safety standards (File E220228; NRAQ2, NRAQ8)

CE Mark

UKCA Mark

General

Operating System

SEL Linux[®] Yellowstone running Linux kernel 3.x with real-time preemption patches

CPU

Intel Core i7-3555LE Dual-Core

Speed: 2.5 GHz base, 3.2 GHz turbo

Cache: 2 x 256 KB L2, 4 MB L3

Intel Core i7-3612QE Quad-Core

Speed: 2.1 GHz base, 3.1 GHz turbo

Cache: 4 x 256 KB L2, 6 MB L3

RAM

8 GB DDR3 ECC PC3-10600 (1333 MHz)

Chipset

Intel QM77 Express Chipset

Mass Storage

1 Internal Drive Bay: One 2.5" SSD
SATA II 3.0 Gb/s

Video

Intel HD Graphics 4000 Controller

Dual Independent Displays From 2 of the 3 Outputs: DVI-I (digital + VGA) maximum resolution 1920 x 1200 @ 32 bpp
DVI-D (digital only) maximum resolution 1920 x 1200 @ 32 bpp
DisplayPort maximum resolution 1920 x 1200 @ 32 bpp

Audio

IDT 92HD91 HD Audio codec

3 Analog 3.5 mm TRS Jacks: Line input
Line/headphone output
Microphone input

USB

4 Rear-Panel Ports, 2 Front-Panel Ports
USB 2.0 Compliant
800 mA Current Limit Each

Expansion Cards

5 Half-Length, Full-Height PCI Expansion Card Slots: 2 PCIe x4 (Revision 2.0)
2 PCIe x1 (Revision 2.0)
1 32-bit 5 V PCI (not used)

Ethernet

2 Rear-Panel 1 Gbps Copper RJ45 Ports

ETH1: Intel 82579LM, 10/100/1000 Mbps RJ45 copper

ETH2: Intel 82574L, 10/100/1000 Mbps RJ45 copper

Optional SEL-3390E4 PCIe x4 Expansion Cards:

As many as 8 additional 10/100/1000 Mbps ports, copper or LC fiber SFP

Serial Ports

Standard Ports: 2 EIA-232 ports, DB-9 connectors, 300 to 115200 bps

Included SEL-3390S8 PCIe expansion provides 6 additional EIA-232/422/485 ports, RJ45 connectors, 300 to 921600 bps

Optional SEL-3390S8 PCIe x1 Expansion Cards:

As many as 18 additional EIA-232/422/485 ports, RJ45 connectors, 300 to 921600 bps

On-board and SEL-3390S8 serial ports meet EIA/TIA-562 specifications

Time-Code Input/Output

Available With SEL-3390S8 Expansion Card

Connector: RJ45 serial port

Time-Code: Demodulated IRIG-B TTL compatible

Note: Output generated from either IRIG-B input or SEL-3555 clock.

Real-Time Clock/Calendar

Battery Type: IEC No. BR2330A Lithium

Battery Life: 10 years with power
2 years without power

BIOS

Phoenix SecureCore™ Tiano™ UEFI

Trusted Platform Module

Integrated TPM 1.2

Intel Active Management Technology

Intel AMT v8.0

Security Features

Account Management: User Accounts
User Roles
LDAP Central Authentication
RADIUS Central Authentication
Strong Passwords
Inactive Account Logouts

Intrusion Detection: Access/Audit Logs
Alarm LED
Alarm Contact

Encrypted Communications: SSL/TLS, SSH
HTTPS

Automation Features

Protocols

Client

DNP3 Serial, DNP3 LAN/WAN, Modbus RTU, Modbus TCP, SEL ASCII, SEL Fast Messaging, LG 8979, IEEE C37.118, IEC 61850 MMS, CIP2179, IEC 60870-5-103, EtherNet/IP Explicit Message Client

Server

DNP3 Serial, DNP3 LAN/WAN, Modbus RTU, Modbus TCP, SEL Fast Messaging, LG 8979, SEL-92, IEC 61850 MMS, IEC 60870-5-101/104, IEEE C37.118, FTP/SFTP, CDC Type II, EtherNet/IP Implicit Message Adapter

Peer-to-Peer

IEC 61850 GOOSE, SEL MIRRORING BITS Communications, Network Global Variables (NGVL), Parallel Redundancy Protocol

Fieldbus

EtherCAT Client

Engineering Access

Modes: SEL Interleaved, Direct
Port Server: Map Serial Ports to IP Ports
Secure Web Server: Diagnostic and Communications Data

Network Time Protocol (NTP) Modes

NTP Client: As many as three configurable servers

NTP Server

Precise Time Protocol (PTP)

PTP Client: Peer delay request and end-to-end path delay supported

Power Supply

See Table 1 for additional burden information.

SEL-9331 160 W LV Power Supply

Voltage Rating: 48 Vdc
Voltage Range: 38–58 Vdc
Maximum Constant Burden: 149 W
Maximum Peak Burden: 225 W
DC Ripple: <15% rated voltage
Peak Inrush: 20 A
Insulation: 3100 Vdc
Isolated From Chassis Ground: Yes

SEL-9331 160 W HV Power Supply

Voltage Ratings: 125/250 Vdc or 120/220/240 Vac;
50/60 Hz
DC Range: 100–300 Vdc
Maximum DC Dropout: 88 Vdc
AC Range: 85–264 Vac
Frequency Range: 45–65 Hz
Maximum Constant Burden: 155 W, 160 VA
Maximum Peak Burden: 240 W, 248 VA
DC Ripple: <15% Rated Voltage
Peak Inrush: 20 A
Insulation: 3100 Vdc

Power Factor: >0.9 (at full load)

Isolated From Chassis Ground: Yes

Recommended External Overcurrent Protection

Breaker Type: Standard
Breaker Rating: 20 A at 250 Vdc
Current Breaking Capacity: 10 kA
Grounded Neutral Systems: Device in series with the HOT or energized conductor
DC and Isolated Systems: Device in series with both conductors

See Table 1 for additional burden information.

Fuse Ratings

LV Power Supply Fuse

Rating: 15 A
Maximum Rated Voltage: 500 Vdc, 500 Vac
Breaking Capacity: 20 kA at 500 Vdc
Type: Time-lag T

HV Power Supply Fuse

Rating: 5 A
Maximum Rated Voltage: 250 Vdc, 277 Vac
Breaking Capacity: 1500 A at 277 Vac
Type: Time-lag T

Heater Fuses F2, F3: 5 A, 125 V slow blow
125 Vdc/50 A break rating

Fuses are not serviceable.

Alarm Output Contact

Per IEC 60255-0-20:1974, using the simplified method of assessment.

Output Type: Relay, Form C, break-before-make
Power Supply Burden: <1 W maximum
Mechanical Life: 2000000 operations
Operational Voltage: 250 Vac/Vdc
Make: 30 A at 250 Vdc
Carry: 6 A continuous at 70°C
1 s Rating: 50 A
MOV Protection: 270 Vac/360 Vdc, 75 J

Insulation Voltage: 300 Vac/Vdc
Pickup Time: <8 ms
Dropout Time: <8 ms

Breaking Capacity (10000 operations):

24 V	0.75 A	L/R = 40 ms
48 V	0.50 A	L/R = 40 ms
125 V	0.30 A	L/R = 40 ms
250 V	0.20 A	L/R = 40 ms

Cyclic Capacity (2.5 cycles/second):

24 V	0.75 A	L/R = 40 ms
48 V	0.50 A	L/R = 40 ms
125 V	0.30 A	L/R = 40 ms
250 V	0.20 A	L/R = 40 ms

Terminal Connections

Compression Screw Terminal

Power Wiring

Insulation:	300 V min.
Size:	12–18 AWG

Alarm Wiring

Insulation:	300 V min.
Size:	12–18 AWG

Tightening Torque

Minimum:	0.6 Nm (5 in-lb)
Maximum:	0.8 Nm (7 in-lb)

Crimp Ferrule Recommended

Mounting Ear Tightening Torque

Minimum:	0.18 Nm (1.6 in-lb)
Maximum:	0.25 Nm (2.2 in-lb)

Grounding Screw

Ground Wiring

Insulation:	300 V min.
Size:	12 AWG, length <3 m

Tightening Torque

Minimum:	0.9 Nm (8 in-lb)
Maximum:	1.4 Nm (12 in-lb)

Ring Terminal Recommended

Serial Port

Tightening Torque

Minimum:	0.6 Nm (5 in-lb)
Maximum:	0.8 Nm (7 in-lb)

Video Port

Tightening Torque

Minimum:	0.6 Nm (5 in-lb)
Maximum:	0.8 Nm (7 in-lb)

Operating Temperature Range

i7-3555LE CPU:	–40° to +75°C (–40° to +167°F)
i7-3612QE CPU:	–40° to +60°C (–40° to +140°F)

Note: Not applicable to UL applications.

Storage Temperature

–40° to +85°C (–40° to +185°F)

Relative Humidity

5% to 95% noncondensing

Maximum Altitude

2000 m

Atmospheric Pressure

80–110 kPa

Overvoltage Category

Category II

Pollution Degree

2

Insulation Class

1

Weight (Maximum)

9.072 kg (20 lb)

Type Tests

Electromagnetic Compatibility Emissions

Conducted Emissions:	IEC 60255-25:2000 FCC 15.107:2014 Severity Level: Class A
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Radiated Emissions:	IEC 60255-25:2000 CISPR 22:2008 FCC 15.109:2014 IEC 61850-3:2013 Severity Level: Class A
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Electromagnetic Compatibility Immunity

Conducted RF:	IEC 60255-26:2013 IEC 61000-4-6:2008 IEC 61850-3:2013 Severity Level: 10 Vrms
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Electrostatic Discharge:	IEC 60255-26:2013 IEC 61000-4-2:2008 IEC 61850-3:2013 IEEE 1613-2003 IEEE C37.90.3-2001 Severity Level: 2, 4, 6, 8 kV contact discharge; 2, 4, 8, 15 kV air discharge
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Fast Transient/Burst:	IEC 60255-26:2013 IEC 61000-4-4:2012 IEC 61850-3:2013 Severity Level: Class A 4 kV, 5 kHz on power supply and outputs; 2 kV, 5 kHz on communications lines
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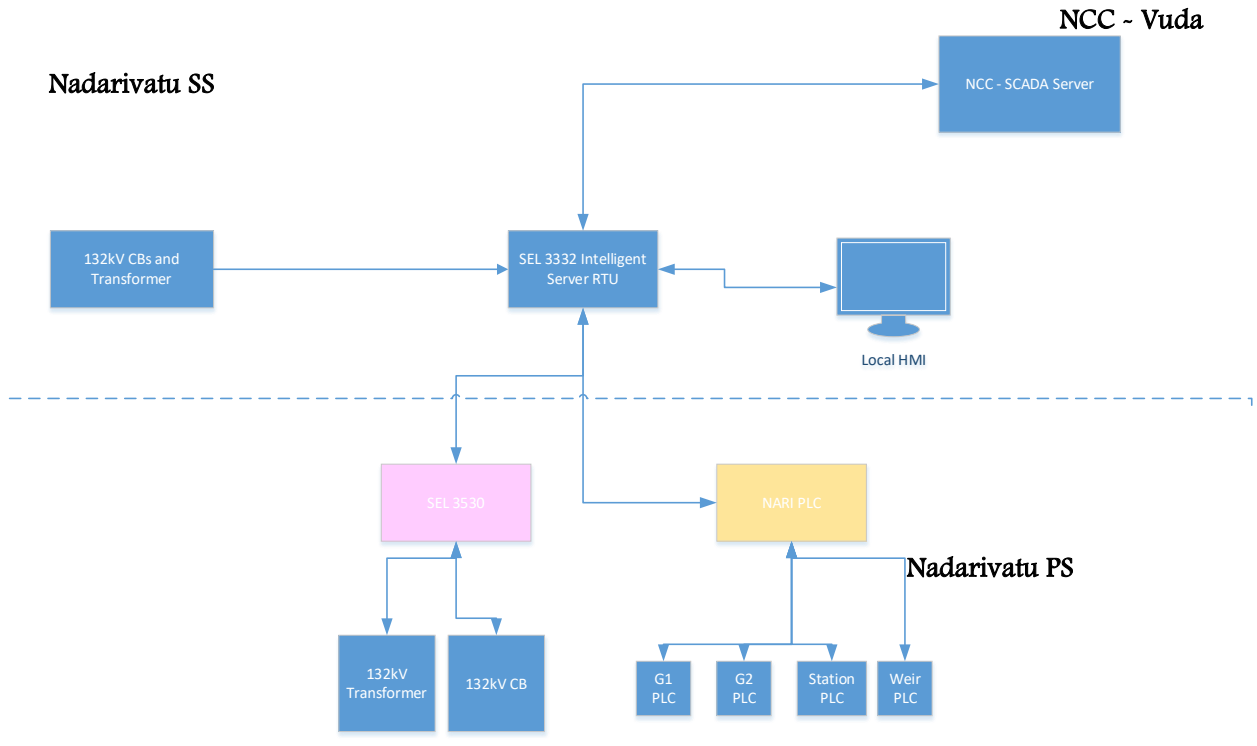
Magnetic Field:	IEC 61000-4-8:2009 IEC 61850-3:2013 Severity Level: 1000 A/m for 3 s 100 A/m for 1 m IEC 61000-4-9:2001 Severity Level: 1000 A/m IEC 61000-4-10:2001 Severity Level: 100 A/m
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Power Supply:	IEC 60255-26:2013 IEC 61000-4-11:2004 IEC 61000-4-17:2009 IEC 61000-4-29:2000 IEC 61850-3:2013 IEEE 1613-2003
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Radiated Radio Frequency:	IEC 60255-26:2013 IEC 61000-4-3:2010 IEC 61850-3:2013 Severity Level: 10 V/m IEEE C37.90.2-2004 IEEE 1613-2003 Severity Level: 35 V/m
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<p>Surge Withstand Capability:</p>	<p>IEC 60255-26:2013 IEC 61000-4-18:2006 Severity Level: Power supply and outputs 2.5 kV peak common mode 1.0 kV peak differential mode Communications ports 1.0 kV peak common mode IEEE C37.90.1-2002 IEEE 1613-2003 Severity Level: 2.5 kV oscillatory 4 kV fast transient</p>	<p>Dry Heat:</p>	<p>IEC 60068-2-2:2007 IEC 61850-3:2013 IEEE 1613-2003 Severity Level: 16 hours at 60°C (I7-3612QE CPU) 16 hours at 75°C (I7-3555LE CPU)</p>
<p>Surge Immunity:</p>	<p>IEC 60255-22-5:2008 IEC 61000-4-5:2005 1 kV line-to-line 2 kV line-to-earth 1 kV communications ports</p>	<p>Vibration:</p>	<p>IEC 60255-21-1:1988 IEC 61850-3:2013 Severity Level: Endurance Class 2 Response Class 2 IEC 60255-21-2:1988 Severity Level: Shock Withstand, Bump Class 1 Shock Response Class 2 IEC 60255-21-3:1993 Severity Level: Quake Response Class 2 IEEE 1613-2003 Severity Level: V.S.4</p>
Environmental			
<p>Cold:</p>	<p>IEC 60068-2-1:2007 IEC 61850-3:2013 IEEE 1613-2003 Severity Level: 16 hours at -40°C</p>	<p>Safety</p>	
<p>Damp Heat, Cyclic:</p>	<p>IEC 60068-2-30:2005 IEC 61850-3:2013 IEEE 1613-2003 Severity Level: 12 + 12-hour cycle 25° to 55°C, 6 cycles, 95% r.h.</p>	<p>Enclosure Protection:</p>	<p>IEC 60529:2001 + CRGD:2003 Severity Level: IP30</p>
		<p>Dielectric Strength:</p>	<p>IEC 60255-5:2000 IEC 60255-27:2013 IEEE 1613-2003 IEEE C37.90-2005 Severity Level: 3100 Vdc on power supply 2500 Vac on contact output 1500 Vac Ethernet ports Type tested for one minute</p>
		<p>Impulse:</p>	<p>IEC 60255-5:2000 IEC 60255-27:2013 IEEE 1613-2003 Severity Level: 5 kV power supply, contact outputs 1.5 kV Ethernet ports</p>

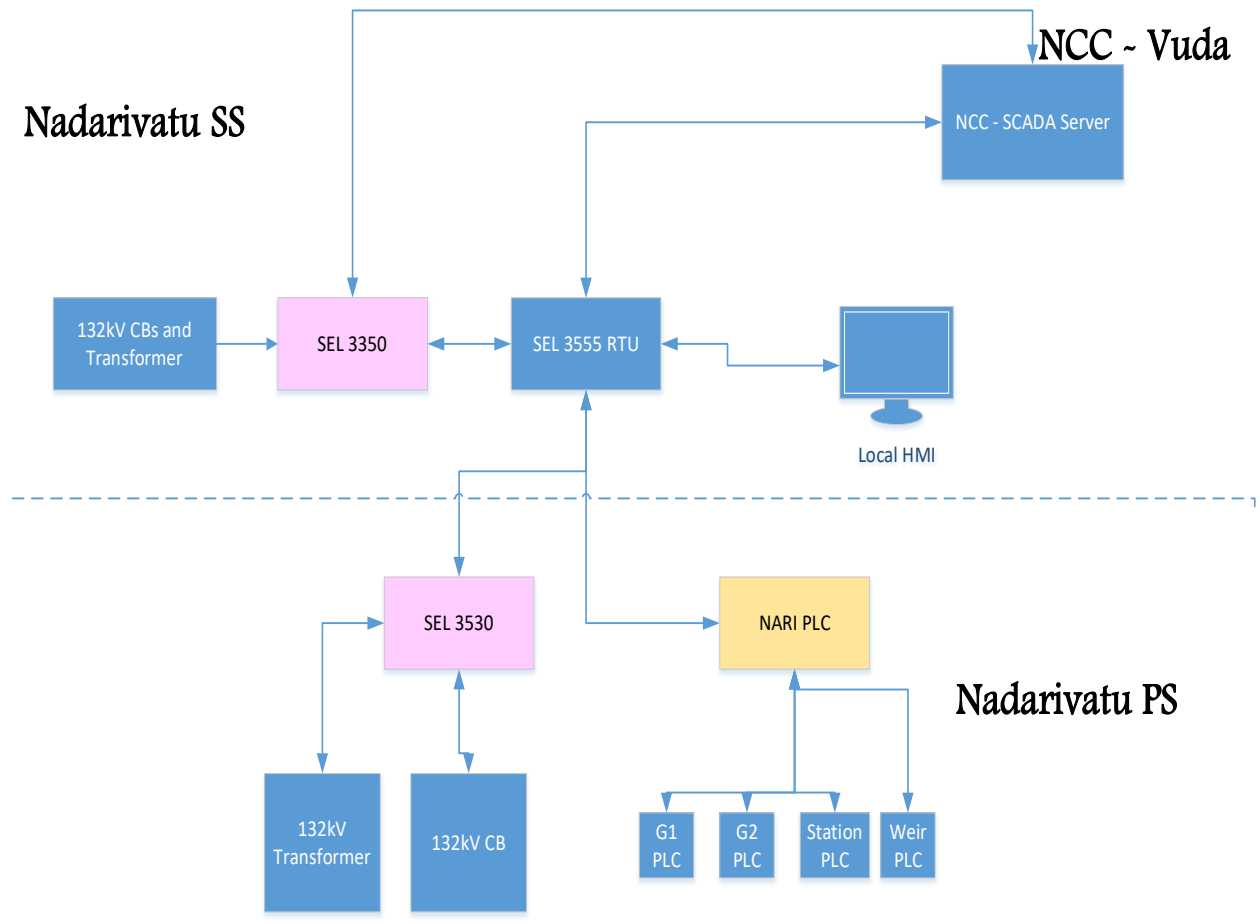
13. CURRENT NADARIVATU 132kV SUBSTATION SCADA LAYOUT



The above depicts the existing SCADA setup at Nadarivatu SS. The 3332 RTU installed at Nadarivatu SS collects data from the SEL 3530 and the PC from Nadarivatu Power house and sends it to the SCADA server at NCC.

14. Proposed setup

Below is the proposed setup that is proposed to be implement. The only changes from the existing setup is the addition of a new RTU at Nadarivatu 132kV Switchyard is to connect the 132kV relays to SEL3350.



15. TENDER EVALUATION

After the Bids are received, it will go through the normal Tender Evaluation Process as per EFL's Tender Policy and Procedures. The successful and unsuccessful Bidders will be advised of the outcome after completion of the Tender Evaluation Process.

The evaluation of the Tender submissions will be weighted as such:

	Mandatory Requirement	Weight (%)
1	TECHNICAL Capability, experience and know how	55%
2	Price	30%
3	Delivery Time	5%
4	Warranty Certificate Proposal – 3 Years	5%
10	Accepting EFL Payment Terms & Condition (30 days of the issue of Invoice)	5%

16. SUBMISSION OF TENDER

16.1 Overseas Bidders

Electronic copies of the Tender Bid must be uploaded in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 03rd July 2024**.

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

For further information contact The Secretary Tender Committee, by e-mail JReddy@efl.com.fj

16.2 Local Bidders

Electronic copies of the Tender Bid must be uploaded in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 3rd July 2024**.

Tenders received **after 4:00pm** on the closing date of **3rd July 2024** will not be considered.

Lowest Bid will not necessarily be accepted as successful Bid.

For further information and/or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9991587.

c) Alternatively, Bidders can upload their Bid on the EFL tender link provided. Details of which is provided below.

Tender documents pertaining to this tender is available to download from our tender website www.efl.com.fj and <https://www.tenderlink.com/efl>

Please refer below for the *Instruction to bidders on how to view current tender, download tender documents and how to submit a bidding document for tender published in EFL's e-Tender Portal – Tender Link*

To view all current tender and to download the tender documents please visit our e-Tender portal – <https://www.tenderlink.com/efl>

Also attached are the videos that shows how to register in the portal, download the documents and send a bid submission.

<http://www2.tenderlink.com/resources/help.php>

Should you require any further information or clarification, please email on Tenders@efl.com.fj or Phone – 679 3224320 / 679 9992400.



17. Appendix

17.1 Submission Forms

The following Information has to be filled by the Bidder and submitted with Tender Documents:

1. Company Name: _____
2. Director/Owner(s): _____
3. Postal Address: _____
4. Email Address: _____
5. Phone Number: _____
6. Fax Number: _____
7. Office Location: _____
8. Facsimile & Skype: _____
9. Web Address: _____
10. After Sales Contact Details: _____
11. TIN Number (Local bidders only): _____
12. Company Registration Number (Local bidders only): _____
13. FNPf Employer Registration Number (Local bidders only): _____
14. FIRCA Compliance Certificate: _____
15. FNU (Safety) Compliance Certificate: _____
16. Number of Branches & Locations: _____
17. Years of Experience & Reputation in the Market: _____
18. Area of Business Specialization:

<input type="checkbox"/>	Manufacturer & Supplier
<input type="checkbox"/>	Retailer
<input type="checkbox"/>	Licensed Agent
<input type="checkbox"/>	Others, Please Specify _____

[Please tick where applicable]
19. Business Structure: _____
20. FRCA Compliance Letter Submitted. (For local bidders only)
21. FNPf Compliance Letter Submitted. (For local bidders only)
22. FNU Compliance Letter Submitted. (For local bidders only)

I hereby, declare that all the above information is correct.

Sign: _____
Name: _____
Position: _____
Date: _____

17.2 General Requirement:

No	General Requirements	Please tick where applicable (✓)	Prescribe in Detail
1.	Local bidder shall submit their valid compliance certificate (FIRCA, FNU, FNPF)		
2.	Installation, Testing & Commissioning		
3	The successful bidder shall 5 years of having similar experience in carrying integration works and shall also be familiar with PLC and RTU programming environment		
4	Detail plan on how he intends to execute the work		
5	Has the ability to conduct training on the 3555 RTU – this shall be stated in the bid		

✓ **Attach pictures and Technical Brochures of the Items offered.**

17.3 Cost Proposal & Summary:

Bidders shall use the Table below to list the item with its associated Cost. Bidders shall add/edit the list to ensure that the Item supplied is complete.

No.	Item	Unit Cost	Quantity	Total Cost
1	Installation, configuration, Testing and Commissioning cost		1	
2	Training for Participant		1	

NOTE:

- 1) Overseas bidders - labor and training cost will attract With Holding Tax of 15%. Please account this cost in your price submission.
- 2) Local bidders are to provide their bid price in VIP FJD.
- 3) EFL will purchase the RTU directly while Installation, configuration, Testing and commissioning cost and training cost are to be quoted by the bidder.

Overseas Bidders may contact the following to obtain various rates:

http://www.frsc.org.fj/contact-us/ Email : info@frsc.org.fj	Duty and Tax Rates
Williams & Gosling Limited Email : info@wgfiji.com.fj or RajneshC@wgfiji.com.fj Website: www.wgfiji.com.fj	Rates for Freight, Customs Clearance, and Delivery.



Telephone: +679 6722855 / Fax: +679 6735730 / Mobile: +679
9977790/ 679 7053008
Office: Nadi Airport / P O Box 9414, Nadi Airport, Fiji

Or any freight forwarder from the list available on the following
website:

<http://www.yellowpages.com.fj/categories/Freight+Forwarders/>



TENDER CHECKLIST

The Bidders must ensure that the details and documentation mention below must be submitted as part of their tender Bid

Tender Number _____

Tender Name _____

1. Full Company / Business Name: _____

(Attach copy of Registration Certificate)

2. Director/Owner(s): _____

3. Postal Address: _____

4. Phone Contact: _____

5. Fax Number: _____

6. Email address: _____

7. Office Location: _____

8. TIN Number: _____

(Attach copy of the VAT/TIN Registration Certificate - Local Bidders Only (Mandatory))

9. FNPF Employer Registration Number: _____ **(For Local Bidders only) (Mandatory)**

10. **Provide a copy of Valid FNPF Compliance Certificate (Mandatory- Local Bidders only)**

11. **Provide a copy of Valid FRCS (Tax) Compliance Certificate (Mandatory Local Bidders only)**

12. **Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bidders only)**

13. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____

Date: _____



Tender submission

Bidders are requested to upload electronic copies via Tender Link by registering their interest at: <https://www.tenderlink.com/efl>

EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva.

This tender closes at 4.00pm (1600hrs) on Wednesday 03rd July, 2024.

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360** or **(+679) 9992400** or email us on tenders@efl.com.fj

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act. Bidders are to clearly state the percentage of VAT that is applicable to the bid prices.

The lowest bid will not necessarily be accepted as the successful bid.

The Tender Bids particularly the “Price” must be typed and not hand written.

Any request for the extension of the closing date must be addressed to EFL in writing three (3) working days prior to the tender closing date.

Tender Submission via email or fax will not be accepted.