



## **A comprehensive independent analytical study and report on the decline in sugarcane and primary juice quality for milling, with mitigating strategies for the Fiji Sugar Corporation Ltd**

### **Overview:**

The Fiji Sugar Corporation Limited (FSC) invites proposals from qualified and reputed sugarcane experts/sugar industry experts/sugar industry consulting firms with an impeccable track record in conducting studies and preparing business case reports. The aspect of study will be to conduct an in-depth analysis on the *"decline in sugarcane and primary juice quality for milling and charter a way forward strategy to mitigate such decline in line with international standards and applicable practices/interventions"*.

The study will primarily focus on:

- The status and decline in cane quality parameters over the years at the field based on Brix, Pol, Purity, Pure Obtainable Cane Sugar or Sugar recover and Fibre, besides a study on other contributing factors and parameters as deemed necessary.
- Establish correlations and variances between primary or first-expressed juice quality parameters in milling and field quality parameters, conduct root cause analysis for variance, and develop concrete, practical strategies to minimise variance.

### **Objectives:**

The key objective will be to

1. Identify all the causal factors for decline in sugarcane quality over the past 15 years at the field/farm level and determine respective quantifiable impact on the milling efficiencies, raw sugar production and impacts on the quality of sugar. Determine the reason for variance between the cane in the field and primary mill quality parameters, and estimate quantifiable losses to FSC.
2. Strategic plan as practicable interventions to improve the sugarcane quality in the field and primary / First expressed juice quality at the mill.

### **Scope of Work:**

FSC will provide all necessary laboratory and field-level infrastructure for quality testing and other parameters, as well as all relevant current and historical data necessary for the study.

The scope of work for the consultant includes, but is not limited to, the following.

- Past relevant data mining and analysis.
- Field visits, sample collection and testing across the three mill areas facilitated by FSC.
- Laboratory analysis of Pol, Brix, fibre, POCS and other parameters as possible by FSC.
- Review and data analysis of current field cultural practices, harvest, and transport logistics.

- Engagement with growers, field staff, and mill technical teams as required and facilitated by FSC.
- Delivery of a comprehensive technical and business case report outlining findings, root causes, and practicable recommendations as deliverables of the study.

#### **Eligibility Criteria:**

- Minimum 10-15 years of experience in sugarcane crop husbandry and sugar factory process operations with related field qualification of consultant/consulting firm nominees.
- Thorough knowledge and understanding of sugarcane field and mill operations.
- Demonstrated proof of carrying out studies/projects related to sugarcane quality and sugar industry process management and improvement.
- Effective communication skills and the ability to associate with diverse stakeholders.
- Demonstrated outcome as deliverables with impact on business productivity.

#### **Proposal Requirements:**

Applicants must submit:

1. Methodology and scope of investigation
2. Team profiles and relevant experience
3. Timeline aligned with report deadline
4. Budget estimate
5. References from similar assignments

#### **Submit Applications To:**

##### **Sereima Sokidrau**

Executive Assistant to Chief Executive Officer

##### **The Fiji Sugar Corporation Limited**

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#### **Location: Fiji (Lautoka, Rarawai & Labasa Mill Regions)**

**Application Deadline:** *15<sup>th</sup> August 2025*

**Final Report Due:** *31<sup>st</sup> January 2026*

**FSC invites committed and qualified experts** to support its efforts in sustaining and improving sugarcane quality for milling efficiency.