

RESERVE BANK OF FIJI CHILLED & CONDENSATE WATER TREATMENT SCOPE OF WORK

Our Reference:

Your Reference:

29 November 2023

Chilled and Condensate Water Treatment

Reserve Bank of Fiji Building

1. The Reserve Bank of Fiji invites tenders for the above services.
2. Brief company profile to include compliance FNPF and FRCS documents, VAT and company registration with certificate of exemptions from FRCS.
3. Summary of clientele and their contact to be included.
4. The tender is to be in Fiji currency on a monthly basis with payment payable at the end of each month from the term of the contract.
5. The contract period is for three [3] years from 1st March 2024 to 28 February 2027 for a fixed sum based on performance and no rise/fall clause except for minimum wage or Tax change approved by the Government of Fiji.
6. To provide and carry out chilled and condensate water chemical servicing aspects as per attached scope of work.
7. All chemical has to be environmentally friendly and approved by the Bank upon the correct recommendation of the chemical manufacturer.
8. You will be responsible that the workers are covered as stated under the Workmen's Compensation Act.
9. All workers attending to contractual work must have police clearance and licensed to work on refrigeration systems.
10. As stipulated in section 2.2.2 of the Bank's Health & Safety Policy, "all contractors and sub-contractors engaged to perform work on all Bank premises are required, as part of their contract, to comply with the Bank's Health & Safety Policy, Procedures and Programs of the organization and to observe directions on health and safety aspects of the organization.

RESERVE BANK OF FIJI CHILLED & CONDENSATE WATER TREATMENT SCOPE OF WORK

The Bank in complying with the above policy has outlined the following procedures for all contractors and sub-contractors to comply with at all times.

Chemical Treatment Specification

The following maintenance scope of work is to be performed for the Chilled and Condensate water chemical treatment on a monthly & annual basis:

SCOPE OF WORK

1. The water treatment contractor shall provide both the required chemical products and necessary services to apply the chemicals, monitor their performance, and report the results.
2. The water treatment service contract shall preserve the interior waterside of current piping, HVAC equipment and establish a cost effective water treatment program to control water related problems such as corrosion, scaling, general deposits, and microbiological fouling.
3. The water treatment contractor shall provide a “support service water treatment” contract. The support service water treatment contract shall involve joint responsibilities between the RBF properties staff and the water treatment vendor.
4. The support service water treatment program shall consist of the RBF staff conducting monthly water treatment tests of the HVAC water systems and emailing the results to the water treatment contractor on a monthly basis. The contractor will then be responsible for conducting a technical analysis of the monthly water treatment test results for RBF.
5. The contractor will then respond to RBF within 24 hours to make any changes to the chemical dosage if necessary.
6. The water treatment contractor shall visit the premises on a monthly basis.
7. The contractor shall be responsible for all chemical and dosing equipment logistics.
8. The contractor shall provide good chemicals and have a storage life expectancy of at least 1 year.
9. The contractor shall determine the dosage levels of chemicals and stay within the specified operating parameters under point 5.
10. The contractor shall establish minimum and maximum control ranges for each treatment chemical and avoid unnecessary high levels of chemicals to mitigate cost and adverse chemical reactions from improper high level chemical dosage.
11. Supply and install water filtration units for the chilled and condensate water circuits.
12. The contractor shall do the following on their monthly visit:
 - Inspect chemicals and shelf life (replace expired chemicals)
 - Inspect chemical feeders
 - Inspect and verify water condition
 - Inspect and verify the control bleed offs
 - Ensure chemicals are stored in the proper locations based on the MSDS and manufacture guidelines.

RESERVE BANK OF FIJI

CHILLED & CONDENSATE

WATER TREATMENT

SCOPE OF WORK

- Ensure knowledge is shared to RBF staffs of any major changes to the water quality
 - Maintain water treatment records and test results.
 - Ensure proper dosage of chemicals.
 - Test system for proper pH, total amount of dissolved solids, conductivity, scale and corrosion inhibitors.
 - Test WAF supply water for base conditions.
 - Have all water systems tested by a certified laboratory for a complete analysis of water such as pH, aluminum, calcium, copper, bromide, fluoride, molybdenum, nitrite, nitrate, orthophosphate, silica, strontium, iron, lead, magnesium, sodium, chloride, and total suspended solids etc.
 - Monitor and test corrosion coupons as applicable.
 - Check inventory of the chemicals and replenish if necessary.
13. The contractor shall provide on an annual basis 1 day of training in performing the necessary water treatment tests, the control ranges for each treatment chemical, safe handling of equipment and chemicals, and new water treatment procedures or technologies.
14. The contractor on the monthly visit review the facility water treatment logs and the operating logs again to verify the chemicals are with design parameters.
15. The contractor shall discuss the water treatment conditions with the Manager and Technical Officers of the conditions of the water and follow up with a written service report within 10 business days after the monthly visit. The report shall contain the results of the contractor's on-site tests, comment on the status of each system, and specific recommendations for action if necessary.
16. The contractor should also provide recommendations if it is necessary to carry out flushing or replacement of water on an annual basis or based on the monthly visit reports.