

GOVERNMENT OF MAURITIUS

**SCHEME OF SERVICE SPECIFIED UNDER REGULATION 15 OF THE
PUBLIC SERVICE COMMISSION REGULATIONS**

Ministry: Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands
(Fisheries Development)

Post: Scientific Officer/Senior Scientific Officer (Fisheries)

Salary: Rs 24,425 x 750 – 29,675 x 900 – 34,175 x 1,200 – 37,775 x 1,500 – 58,775
(19 50 79)

Effective Date: 01 September 2015

Qualifications: By selection from among officers who hold a substantive appointment in the
grades of –

- (a) Principal Technical Officer (Fisheries);
- (b) Senior Technical Officer (Fisheries); and
- (c) Technical Officer (Fisheries)

and who possess –

- (i) **For Fisheries, Research, Development and Management Unit**

a degree in one of the following subjects from a recognised institution –

Aquaculture

Biology

Biological Oceanography

Botany

Chemistry

Fish Technology

Fishing Technology

Fisheries Science

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.....
M. Arab
.....
for Senior Chief Executive
Ministry of Civil Service and
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Marine Biology

Micro-Biology

Natural Resources

Zoology

Marine Science

Marine Bio-Technology

Applied Science (Environmental Science)

or

any fisheries related discipline.

(ii) **For Marine Bacteriology Laboratory**

a degree in Biology or Micro-Biology from a recognised institution.

(iii) **For Fish Toxicity Laboratory**

a degree in Biochemistry or Chemistry from a recognised institution.

(iv) **For Marine Chemistry Laboratory**

a degree in Chemistry from a recognised institution.

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(v) **For Quality Control Unit**

(a) a degree in one of the following subjects from a recognised institution –

Biochemistry

Chemistry

Micro-Biology

(b) at least three years' experience in the following areas –

(i) Chemistry/Micro-Biology, laboratory techniques and working knowledge of principles and practice of laboratory quality assurance and quality control, laboratory safety practices and procedures; and

(ii) standard methods for the analysis of seawater samples, particularly chemical, microbial and fish toxin.

OR

Equivalent qualifications acceptable to the Public Service Commission.

Candidates should produce written evidence of experience claimed.

NOTE

A. In the absence of qualified serving officers, by selection from among candidates who possess the qualifications at (i), (ii), (iii), (iv) and (v) above.

OR

Equivalent qualifications acceptable to the Public Service Commission.

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B. Candidates should be computer literate.

Candidates should produce written evidence of experience/knowledge claimed.

Duties:

I. To be responsible to the Divisional Scientific Officer (Fisheries) for –

(i) **For Fisheries, Research, Development and Management Unit**

- (a) the execution of research, experimental, extension and investigation work for the improvement of fisheries production;
- (b) running any fisheries development project placed under his immediate control;
- (c) performing duties related to fisheries management, fishing technology, training of fishermen, marine ecosystem research, water quality monitoring, oceanographic surveys, management of marine protected areas, aquaculture research and extension, inspection of fish and fish products and awareness programmes; and
- (d) providing guidance and training to officers in the Technical Officer cadre in research techniques and related activities including writing of reports and scientific papers, and other stakeholders in the fishing industry.

(ii) **For Marine Bacteriology Laboratory**

- (a) the smooth running of the Marine Bacteriology Laboratory;

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- (b) performing all analytical and technical procedures for accreditation of the Marine Bacteriology Laboratory according to ISO 17025/EU norms in collaboration with the Scientific Officer/Senior Scientific Officer (Fisheries) in the Quality Control Unit;
- (c) preparing samples and performing routine microbiological analysis of seawater;
- (d) co-ordinating daily tasks of laboratory staff and maintaining a safe and clean laboratory environment;
- (e) using statistical methods and tools in line with the principles of laboratory quality management;
- (f) selecting efficient analytical methods in line with Standard Operating Procedures (SOP);
- (g) preparing Quality Manuals for the Marine Bacteriology Laboratory in collaboration with Scientific Officer/Senior Scientific Officers (Fisheries) in the Quality Control Unit;
- (h) applying Quality Management procedures for validation, uncertainty and traceability in microbial analysis of seawater and to carry out proficiency testing; and
- (i) training of laboratory staff.

(iii) **For Fish Toxicity Laboratory**

- (a) the smooth running of the Fish Toxicity Laboratory;
- (b) performing the screening and monitoring of fishes for the presence of fish toxins and other marine plankton borne fish toxins;

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- (c) performing routine and non routine fish toxicity tests and related quality assurance functions;
- (d) using statistical methods and tools in line with the principles of laboratory quality management;
- (e) developing all Standard Operational Procedures in the Fish Toxicity Laboratory;
- (f) applying Quality Management procedures for validation, uncertainty and traceability in fish toxicity tests and carrying out proficiency testing;
- (g) ensuring continuous improvement in fish toxin extraction and the laboratory quality manual;
- (h) performing routine Quality Assurance and Quality Control tasks of all equipment used in fish toxicity tests;
- (i) keeping the animal house according to European Union standards;
- (j) preparing and improving the Quality Management Laboratory Manual for the Fish Toxicity Laboratory and animal house;
- (k) working in collaboration with the Scientific Officer/Senior Scientific Officer (Fisheries) in the Quality Control Unit to carry out all technical procedures for accreditation of the Fish Toxicity Laboratory according to ISO 17025/EU norms; and
- (l) training of laboratory staff.

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(iv) **For Marine Chemistry Laboratory**

- (a) the smooth running of the Marine Chemistry Laboratory;
- (b) performing all analytical and technical procedures for accreditation of the Marine Chemistry Laboratory according to ISO 17025/EU standards;
- (c) preparing samples and performing routine chemical analysis of seawater for nutrients and trace metals;
- (d) working in collaboration with the Scientific Officer/Senior Scientific Officer (Fisheries) in the Quality Control Unit for accreditation of the Marine Chemistry Laboratory according to ISO 17025/EU standards;
- (e) developing analytical methods in line with Standard Operating Procedures (SOP);
- (f) preparing Quality Manuals for the Marine Chemistry Laboratory in collaboration with the Scientific Officer/Senior Scientific Officer (Fisheries) in the Quality Control Unit;
- (g) applying Quality Management procedures for validation, uncertainty and traceability in chemical analysis of seawater and carrying out proficiency testing;
- (h) performing routine Quality Assurance, Quality Control and Document Control tasks;
- (i) using statistical methods and tools in line with the principles of laboratory quality management;
- (j) ensuring continuous improvement in the Laboratory Quality Manual; and
- (k) training of laboratory staff.

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(v) **For Quality Control Unit**

- (a) the implementation of ISO 17025/EU standards;
 - (b) establishing, co-ordinating and monitoring the laboratories Quality System (Quality Assurance, Quality Control and Quality Management) and maintaining continued accreditation;
 - (c) implementing the Laboratory Quality Manual;
 - (d) developing Standard Operating Procedures (SOP) for laboratory staff;
 - (e) working closely with laboratory staff, planning, scheduling and implementing Quality Assurance related activities;
 - (f) performing audits of the laboratories and reviewing the preparation of calibration standards and ensuring their quality assurance;
 - (g) conducting and developing training programs for laboratory staff; and
 - (h) following and implementing all safety rules associated with a laboratory.
2. To assist the Divisional Scientific Officer (Fisheries) in the execution, supervision and co-ordination of the activities of the division under his responsibility.
3. To use ICT in the performance of his duties.
4. To perform such other duties directly related to the main duties listed above or related to the delivery of the output and results expected from the Scientific Officer/Senior Scientific Officer (Fisheries) in the roles ascribed to him.

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