

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

- Ministry:** Agro-Industry and Food Security
- Post:** Scientific Officer
- Salary:** Rs 26,300 x 775 – 32,500 x 925 – 37,125 x 1,225 – 40,800 x 1,525 – 49,950 x 1,625 – 56,450 (19 055 081)
- Effective Date:** 16 November 2017
- Qualifications:** A. By selection from among officers of the Ministry holding a substantive appointment in the grades of –
- (i) Agricultural Superintendent; and
 - (ii) Senior Technical Officer
- who possess a degree in one of the following subjects from a recognised institution –
- Agricultural Biology
 - Agricultural Biotechnology
 - Agricultural Botany
 - Agricultural Chemistry
 - Agricultural Economics
 - Agricultural Engineering
 - Agricultural Management
 - Agricultural Science
 - Agricultural Statistics
 - Agricultural Zoology
 - Agriculture
 - Agriculture with Agri-Business/E-Business
 - Agriculture with Business Management
 - Agriculture with Food Science
 - Agronomy
 - Analytical Chemistry

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Animal Husbandry
Animal Production
Animal Science
Biochemistry
Biometry
Biotechnology
Botany
Chemistry
Crop Protection
Crop Science
Dairy Science
Entomology
Food Science
Food Technology
Information Technology
Land and Water Management
Microbiology
Plant Biotechnology
Plant Pathology
Plant Science
Seed Technology
Soil Science
Soil Science/Conservation
Statistics
Zoology

OR

An equivalent qualification acceptable to the Public Service Commission.

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NOTE

In the absence of qualified serving officers, by selection from among candidates who possess a degree from a recognised institution in one of the subjects listed at A above or an equivalent qualification acceptable to the Public Service Commission and who are computer literate.

Candidates should produce written evidence of knowledge claimed.

- B. Candidates should possess –
- (i) effective interpersonal and communication skills; and
 - (ii) good analytical skills.

Duties:

1. To be responsible to the head of Division for –

I. For the Crop Division

- (a) conducting research, development and monitoring –
 - (i) in all aspects of agronomic practices, post harvest technologies including soil-less culture, protected farming, biotechnology, plant breeding, genetic engineering, plant tissue culture and protected cultivation;
 - (ii) in production of organic crops and other crop production systems and plant genetic resources;
 - (iii) in the improvement of seed quality and production;
 - (iv) in the prevention and control of diseases;
 - (v) on pest risk analysis and biosecurity;
 - (vi) on entomological problems in connection with agriculture;
 - (vii) in land use and sustainable development;

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- (viii) on value addition to primary agricultural products for support to Small and Medium Enterprises (SMEs); and
 - (ix) in improving planting material using new technologies for plant breeding and plant propagation such as tissue culture.
- (b) carrying out pest and disease surveillance and identification and formulating recommendations for control in case of disease outbreaks;
 - (c) maintaining an up-to-date Agricultural Land Database;
 - (d) carrying out surveys, basic maintenance, repair and calibration of equipment and apparatus;
 - (e) providing training to subordinate staff;
 - (f) managing Government outstations including laboratories and monitoring production sites;
 - (g) assisting in drafting, implementing and enforcement of relevant legislation; and
 - (h) providing technical advice on all agricultural projects and in developing policies and procedures for the Agricultural Sector.

II. For the National Food and Agricultural Technology Division

- (a) planning and carrying out research work, development and analytical work –
 - (i) on soil, fertilizers, composts, food crops, feeds and fodder, water and plant material, formulated pesticides and formulation of pesticide residue in vegetable and fruit crops;
 - (ii) on food and food ingredients, water fruits, fruit product, milk and dairy products, meat and meat products, fish and fish products;

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- (iii) on novel food products; and
- (iv) on food preservation and quality evaluation of products.
- (b) carrying out analysis of –
 - (i) food and food ingredients including water, meat and fish; and
 - (ii) food and feeds for Genetically Modified Organisms.
- (c) carrying out microbiological assays of food and food ingredients including water, meat and fish;
- (d) assisting in drafting, implementing and enforcement of relevant legislation;
- (e) assisting and participating in accreditation process;
- (f) carrying out basic maintenance, repair and calibration of analytical equipment and apparatus in the laboratory;
- (g) carrying out site surveys and collecting samples, as and when required;
- (h) providing training to subordinate staffs; and
- (i) providing technical advice on all agricultural projects and in developing policies and procedures for the Agricultural Sector.

III. For the Veterinary and Livestock Division

- (a) planning and conducting research, monitoring and publication of analytical, experimental and development work in the laboratory, on Government outstations and at field level on all aspects of livestock production in an environmentally and economically sustainable manner;
- (b) providing technical advice on feed formulation for different types of livestock;
- (c) conducting research and technology transfer on farming systems and livestock waste management and Animal Genetic Resources conservation and sustainable management;

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- (d) carrying out technical and economic evaluation and environmental impact assessment of livestock projects and surveys of livestock and livestock farming activities;
 - (e) collecting and analysing statistics at national level pertaining to animal feeds, livestock and their projects as well as relevant market prices;
 - (f) providing training to subordinate staff;
 - (g) performing basic maintenance, repair and calibration of analytical equipment and apparatus in the laboratory;
 - (h) assisting in the drafting, implementation and enforcement of relevant legislation; and
 - (i) carrying out site visits and collecting samples.
2. To use ICT in the performance of his duties.
3. 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 in the roles ascribed to him.



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