

State Ministry of Paddy and Grain, Organic Food, Vegetables, Fruits, Chillies, Onion and Potato Cultivation Promotion, Seed Production and Advanced Technology

**Agriculture
Department of Agrarian Development**

OPEN COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POST OF TECHNICAL OFFICER (CIVIL) OF GRADE III OF TECHNOLOGICAL SERVICE CATEGORY - SUPERVISORY MANAGEMENT ASSISTANT OF THE DEPARTMENT OF AGRARIAN DEVELOPMENT – 2019/2020

Applications are hereby invited from the Sri Lankan citizens who are in possession of the qualifications spelled out below to fill the vacancies of Technical Officer of the Department of Agrarian Development.

Applications perfected using both sides of an A4 paper (21cm x 29cm) according to the specimen application appended to this notification and should be filled by the candidate him / herself. The application which is not conform with the given specimen application will be rejected. Application should be sent only by the registered post addressed to "Commissioner General, Department of Agrarian Development, No.42, Sir Marcus Fernando Mawatha, P.O. Box. 537, Colombo 07" on or before 13.11.2020. The top left hand corner of the envelope enclosing the application should be marked as " **Open Competitive Examination for the Recruitment to the Post of Technical Officer of the Department of Agrarian Development – 2019/2020**". The candidates who are already in State Service should forward the application form through the Head of the Department and the applications which are late and incomplete will be rejected without any notice. Applications should be filled by the candidate in the medium of language that the candidate is willing to sit for the Exam.

(1) Job Description :

- 1.1. Planning, preparation of estimates, monitoring and reporting on renovation of the minor irrigation systems which carried out by the Department of Agrarian Development.
- 1.2. Planning, preparation of estimates, monitoring and reporting on construction and renovation of agricultural roads.
- 1.3. Planning, preparation of estimates, monitoring and reporting on construction and renovation of buildings.
- 1.4. Planning, implementing and maintaining water management programmes.

(2) Terms of Engagement :

- 2.1. This post is permanent and pensionable. It is subject to the policy decision to be taken by the Government in the future relating to the pension scheme. Officers must contribute to the "Widows and Orphans" Pension Fund / "Widowers & Orphans" Pension Fund from their salary.
- 2.2. The selected candidates should subject to the rules and regulations of the Establishment Code, Financial Regulations, Procedural Rules of Public Service Commission published in the *Gazette* Extraordinary of the Democratic Socialist Republic of Sri Lanka No. 1589/30 dated 20.02.2009 relating to the appointments of the Government Service, the directions of the department and other regulations and orders that may be issued by the government from time to time.

(3) General Qualifications :

The age must be not less than 18 years and not more than 30 years on the closing date of calling of applications. The age limit would not be applicable to the candidates who are already in State Service or Provincial State Service.

(4) Educational Qualifications :

Should have passed the G. C. E.(O/L) examination in 06 subjects with credits for Sinhala/Tamil /English, Mathematics, Science and any other subject at one sitting;

and

Should have passed the GCE (A/L) examination in three subjects with two subjects of Chemistry, Botany and Combined Mathematics under the Science / Mathematics stream or should have passed in three subjects with two subjects of Engineering Technology, Science for Technology, Information and Communication Technology under the Technology stream.

(5) Professional Qualifications :

In addition to the educational qualifications in above 4, candidate should have completed and obtained certificate for one of the following Diploma related to the subject area, on the last date of calling application.

- I. National Technical Diploma offered by University of Moratuwa or HARDY Industrial Institute, Ampara.

or

- II. Diploma in Engineering offered by the National Apprentice and Industrial Training Authority.

or

- III. National Higher Diploma in Engineering offered by the Ministry of Education and Higher Education.

or

- IV. Technical Diploma offered by the Open University of Sri Lanka.

or

- V. Successful completion of the first part of the Engineering Examination conducted by Sri Lanka Institute of Engineering.

or

- VI. Completion of National Vocational Qualification (NVQ) level 6 relevant to the field of employment concerned.

or

- VII. Any other technical qualifications recognized by the Tertiary and Vocational Education Commission as equivalent to the above mentioned technical qualifications, following the opinions obtained by consulting the Ministry of Higher Education and the institutes issuing above mentioned technical certificates.

(6) Physical Qualifications :

Every candidate should be in good physical and mental fitness to serve in any part of the Sri Lanka in order to perform the duties of the post.

(7) Other Qualifications :

- 7.1 Must be a citizen of Sri Lanka.
- 7.2 Should bear a good character.
- 7.3 Must agree to serve in any part of the island.
- 7.4 Qualifications required to appear for the competitive examination for recruitment should be fulfilled in all respects on or before the closing date of applications.

(8) Method of Selection :

- 8.1 Terms on Written Competitive Examination :
Applicants and referred to the written examination and out of the candidates who have scored a minimum of 40% marks or above in each subject, those who score the highest marks in the aggregate for all the subjects will qualify to appear for the general interview. Marks shall not be allocated at the general interview and the eligibility will only be examined.

- 8.2 Syllabus of the written examination :

The examination will mainly consist of two papers.

1. Intelligence Test	1 hour	100 total marks
2. Common Test (Technical and Subject affiliated Test)	1 hour	100 total marks

Syllabus

1. Intelligence Test

Paper consists with 50 multiple choice, short answer type questions which is expected to assess the level of intelligence of the candidate in language ability and comprehension, logical comprehension and general intelligence

2. Common Test (Technical and Subject affiliated Test)

Paper consists with 50 multiple choice, short answer type questions which is expected to assess the general knowledge related to the basic subject of Irrigation Engineering, Surveying and Leveling Grounds, Mensuration.

I. Irrigation Engineering

a) Preliminary Work

Definition and principles - types of irrigation and irrigation methods
Advantages and disadvantages - efficiency factors

b) Hydrology

Assessment, inflow computation, water equilibrium equation, water level balance of tank, flood study method to be implemented, flood hydrographs.

c) Head Works

Types of dams, computation the capacity of tank and free board
Level
Flood Level
water wastages of tank
designing spills and designing anicuts
designing sluice gates

d) Water Management

Definition of determining specific method on crop water requirements and demonstrating, computation of water requirements and irrigation water requirements, soil water balance, water height and frequency of water supply, water flow measurement, designing canals, Manning's equation, micro water supply system.

e) Maintenance of Irrigation

Types of maintenance
model maintenance rules
maintenance methods
maintenance estimates.

II. Surveying and Leveling Grounds

a) Surveying Grounds

Principles, transit vernire theodolite, optical theodolite, electromagnetic distance measuring equipment, triangulation, coordinate method, scrapbook maintenance and preparation of plans.

b) Leveling Grounds

Principles, leveling equipments, dumpy level, engineering level, automatic level, advantages of leveling, tank bottom survey - longitudinal and cross section, determine the canals, site level measurements, created level measurements, contradictory level measurements.

III. Mensuration

- a) Taking quantities on base line survey method due to Sri Lankan standards
- b) Computation of area
- c) Planimeter and usage of scales
- d) Computation of area on method of coordinates on Simpson rule
- e) Computation of volume
- f) Prismoidal rule
- g) Computation of soil works
- h) 'Mass Haul' diagrams
- i) Cutting and filling system, cross cutting method, computation of the volume using contour

- 8.3 Medium of Examination :

The examination will be held in Sinhala, English and Tamil mediums. The candidate must sit all the papers of the examination in one and the same language.

(9) Recruitment :

Candidates who are qualified educationally and professionally which are mentioned under the paragraph 4 and 5 above, will be recruited under the post of Technical Officer of Class III of Sri Lanka Technological Service.

(10) Salary Scale (Monthly Basis) :

The monthly salary scale for this post is Rs. 31,040 - 10x445 - 11x660 - 10x730 - 10x750 - Rs.57,550/= as per the salary code MN-3-2016 under the schedule I of the Public Administration Circular No. 03/2016.

(11) Grade Promotions :

According to the scheme of recruitment for Supervisory Management Assistant - Technical Service category of Department of Agrarian Development.

(12) Examination Fees :

Candidates have to pay an examination fee of Rs. 1000 / =. The said fee could be paid to any Agrarian Service Center and said Agrarian Service Center will produce A.S.C./2(a) receipt to the candidate. The receipt obtained should be affixed in the relevant cage of the application so as not to be detached. It is advisable to keep a photocopy of this receipt with the candidate. The fee is non refundable and it shall not be paid back, under any circumstances.

(13) Implementation of the Official Languages Policy :

Prescribed official language policy should be obtained within 05 years of joining the service as per Public Administration Circular No. 01/2014 and consequent circulars.

(14) Attestation of the signature :

Candidate's signature in the application form should have been attested by a Principal of a Government School, a justice of Peace, Commissioner of Oaths, Attorney-at-Law, Commissioned Officer in the Armed Forces, an Officer holding a *Gazetted* post in the Police Service or an Officer holding a permanent, staff grade post in Public Service.

W. M. M. B. Weerasekara
Commissioner General of Agrarian Development

16th October 2020.
Department of Agrarian Development,
P.O. Box 537,
Colombo 07.