

**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  
ASSISTANT OF GRADE III OF MANAGEMENT ASSISTANT TECHNICAL SEGMENT 03 IN THE  
DEPARTMENT OF AGRARIAN DEVELOPMENT - 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 Assistant 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 Assistant of Grade III in Department of Agrarian Development - 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, unclear and incomplete will be rejected without 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 :

Assist the tasks as reconstruction of all minor irrigations coming under the Department of Agrarian Development, new constructions under the water management and abounded paddy cultivation, inspect the work on developments & repairs and design plans related to construction, prepare estimates, supervise maintenance

(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 be 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 not more than two sittings.

or

Should have completed and obtained certificate for Technical Course of Level (03) of National Vocational Qualification (NVQ) recognized by the Tertiary and Vocational Education Commission relevant to the field of concerned.

(5) Professional Qualifications:

Obtain National Technical Certificate(Civil Engineering) offered by the National Apprentice and Industrial Training Authority related to Level (05) of National Vocational Qualification (NVQ) recognized by the Tertiary and Vocational Education Commission.

(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 :

A written examination of two (02) question papers including the following subjects shall be held.

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 requirement 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 vernier 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 to the post of Technical Assistant.

### (10) Salary Scale (Monthly Basis) :

The monthly salary scale for this post is Rs. 29,840-10x300-11x350-10x560-10x660-48,890/= as per the salary code MT-1-2016 under the schedule I of the Public Administration Circular No. 03/2016.

### (11) Grade Promotions :

According to the scheme of recruitment for Technical Assistant of Grade III of Management Assistant Technical Segment 03 Category in the Department of Agrarian Development

### (12) Examination Fees :

The fee of Rs. 1,000/= could only 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

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