

Terms of Reference for Quality Control Lab Technician

Job Title	Quality Control Lab Technician
Employment Type	Contract (2 Years)
Reports to	Gyalsung Project Officers
Location	NS-Project Sites

Background

His Majesty the King announced the institution of the sacred Gyalsung Project on 17th December 2019 during the 112th National Day. The project is currently under construction in the five Gyalsung Academy sites namely, Jamtsholing (Samtse), Tareythang (Sarpang), Pemathang (Samdrup Jongkhar), Khotokha (Wangdue Phodrang) and Bondeyma (Mongar). The objective of Gyalsung is to provide direction and encourage our youth to be strong, independent thinkers, capable of serving the country. The five Gyalsung Academies, once commissioned, will provide basic military training and skill development courses in agriculture sciences, entrepreneurship, computer and coding, and health sciences, etc. The training will make our young people understand what they want to do, and prepare them to achieve their dreams so that they are ultimately able to contribute to the nation-building process. It will bring the youth of Bhutan together in a shared experience and act as a rite of passage- irrespective of their economic or regional backgrounds.

1. General Duties and Responsibilities

- 1.1 Shall coordinate and work closely with the Project Engineers and with the relevant Project Authorities in the overall management of quality control by conducting regular field and lab tests in the Project.
- 1.2 Provide protocols and plan for testing including materials; come up with test formats, procedures of quality control tests required by the Project.
- 1.3 Perform tests in accordance with Standard Quality Control System and generate test reports.
- 1.4 Analysis of test data and suggest corrective action to prevent non-conforming reports and products.
- 1.5 Maintain proper documentation of test reports and data control.
- 1.6 Carry out routine repair and maintenance of laboratory and field equipment.
- 1.7 Uphold workplace safety and maintain cleanliness of the laboratory.

2. Specific Duties and Responsibilities

The Laboratory Technician shall, not limited to, undertake the following tasks and tests that are essential for quality assurance and control in the Construction Project:

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| <ul style="list-style-type: none">2.1 Sieve analysis (fine and course)2.2 Concrete mix design2.3 Prepare concrete cube and compression test2.4 Slump test2.5 Bulk density2.6 CBR2.7 Field and Lab density2.8 Flakiness and elongation2.9 Marshall Mix Design (Job Mix Formula)2.10 Marshall Test2.11 Specific gravity and water absorption |
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3. Eligibility Criteria

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| <ul style="list-style-type: none">3.1 Should have minimum qualification of Diploma in Civil Engineering3.2 Should have minimum work experience of 3 years in relevant field |
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4. Position Level and Remuneration

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| <ul style="list-style-type: none">4.1 The position level and remuneration shall be calculated on the basis of relevant qualification, experience and other skills. |
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