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SPECIFICATION FOR

COMMON BURNT CLAY BUILDING BRICKS

(FIRST REVISION)

SRI LANKA STANDARDS INSTITUTION

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(FIRST REVISION)

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(Attached AMD 37)

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SRI LANKA STANDARD

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FOREWORD

This revised Sri Lanka Standard Specification has been prepared by the Drafting Committee of the Bureau on Common Burnt Clay Building Bricks. It was approved by the Civil Engineering Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the Council of the Bureau on 1978-08-18.

This standard specification is a revision of **CS 39:1968***.

The common burnt clay building brick is still the most extensively used building material in Sri Lanka, but unfortunately considerable variations in the quality and dimensions of the finished bricks continue to exist. This is partly due to considerable variations in the composition of the clays used for brick making, but more frequently the poor standard of bricks is due to the improper preparation of the clay mixture, moulding, drying and firing of the bricks. To guide the small scale manufacturers in overcoming these problems, preparation of a code of practice on the manufacture of hand-made bricks has been undertaken. This code of practice would include simple field tests on bricks which could be carried out without the use of laboratory equipment.

Provision has been made in this revision for two types of bricks, *viz:* machine made wire cut bricks and hand-made bricks. A compressive strength of 10.0 MPa (1450 lbf/in^2) has been specified for machine-made bricks and is recommended for use on load bearing walls of multistorey buildings. Hand-made bricks of compressive strength 4.8 MPa (700 lbf/in^2) is sufficient for two-storey buildings and those having a compressive strength of 2.8 MPa (410 lbf/in^2) may be used for single floor structures (*Note - The designer's attention is drawn to accepted Codes of Practice on Structural recommendations for load bearing walls).* The small scale manufacturers should, with ordinary precautions, be able to achieve this strength under existing conditions of manufacture.

**CS 39:1968 Common burnt clay building bricks.*