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IS 7779-1-1 (1975): Schedule for properties and availability of stones for construction purposes, Part I: Gujarat state, Section 1: Availability of stones [CED 6: Stones]



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“Knowledge is such a treasure which cannot be stolen”

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IS : 7779 (Part I/Sec I) - 1975

Indian Standard

SCHEDULE FOR PROPERTIES AND
AVAILABILITY OF STONES FOR
CONSTRUCTION PURPOSES

PART I GUJARAT STATE

Section 1 Availability of Stones

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**SCHEDULE FOR PROPERTIES AND
AVAILABILITY OF STONES FOR
CONSTRUCTION PURPOSES**

PART I GUJARAT STATE

Section 1 Availability of Stones

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Indian Standard

SCHEDULE FOR PROPERTIES AND AVAILABILITY OF STONES FOR CONSTRUCTION PURPOSES

PART I GUJARAT STATE

Section 1 Availability of Stones

0. FOREWORD

0.1 This Indian Standard (Part I/Section 1) was adopted by the Indian Standards Institution on 19 August 1975, after the draft finalized by the Stones Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Stones are available in large quantities in different parts of the country. To choose and utilize them for various uses, it is necessary to know their availability and also the strength properties determined according to the standard procedures. Accordingly, this Indian Standard is being formulated to cover this information for each State in the country. This standard will be published in parts, each part covering a State. For the facility of compiling and use of the standard, each part will be divided into three sections. Part I covers Gujarat State and will be issued in three sections. Section 1 gives information on the availability of stones in the form of map showing geological classification and known quarries; Section 2 covers known quarries and engineering properties of building stones; and Section 3 covers engineering properties of stone aggregates. It is hoped that with the publication of this data it will be convenient for the users of stone to know not only the availability of stones but to select them in a scientific way depending upon the requirement for the particular use.

0.2.1 The information included in this part covers data collected up to the end of 1974. Further information, as and when received, will be added as amendment to this standard.

0.3 In the preparation of this standard considerable assistance has been given by Geological Survey of India, Public Works/Geology and Mining Department of Gujarat State.

1. SCOPE

1.1 This standard (Part I/Section 1) covers the availability of stones in Gujarat State.

2. AVAILABILITY

2.1 The geological classification and known stone quarries are shown in the map.



Based upon Survey of India map with the permission of the Surveyor General of India.

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The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.

INDIAN STANDARDS

ON

STONES

IS :

- 1121(Part I to IV)-1974 Method of test for determination of strength properties of natural building stones (Part I to IV) (*first revision*)
- 1122-1974 Method of test for determination of specific gravity of natural building stones (*first revision*)
- 1123-1975 Method of identification of natural building stones (*first revision*)
- 1124-1974 Method of test for determination of water absorption apparent specific gravity and porosity of natural building stones (*first revision*)
- 1125-1974 Method of test for determination of weathering of natural building stones (*first revision*)
- 1126-1974 Method of test for determination of durability of natural building stones (*first revision*)
- 1127-1970 Recommendations for dimensions and workmanship of natural building stones for masonry work (*first revision*)
- 1128-1974 Limestone (slab and tiles) (*first revision*)
- 1129-1972 Recommendations for dressing of natural building stones (*first revision*)
- 1130-1969 Marble (blocks, slabs and tiles)
- 1706-1972 Method for determination of resistance to wear by abrasion of natural building stones (*first revision*)
- 1805-1973 Glossary of terms relating to building stones: quarrying and dressing (*first revision*)
- 3316-1974 Structural granite (*first revision*)
- 3620-1966 Laterite stone block for masonry
- 3622-1966 Sandstone slabs for use in flooring
- 4121-1967 Method of test for determination of water transmission rate by capillary action through natural building stones
- 4122-1967 Method of test for surface softening of natural building stones by exposure to acidic atmospheres
- 4348-1973 Method of test for determination of permeability of natural building stones (*first revision*)
- 5218-1969 Method of test for toughness of natural building stones
- 5640-1970 Method of test for determining the aggregate impact value of soft coarse aggregates
- 6241-1971 Method of test for determination of stripping value of road aggregates
- 6250-1971 Roofing slate tiles
- 6579-1972 Coarse aggregates for water bound macadam

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