current science bulletin

SRI LANKA SCIENTIFIC & TECHNICAL INFORMATION CENTRE

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NATIONAL SCIENCE COUNCIL OF SRI LANKA
47/5, MAITLAND PLACE, COLOMBO 7, SRI LANKA

CURRENT SCIENCE BULLETIN

As an attempt at meeting the information requirements of Scientists, Research Workers and Libraries, SLSTIC with the co-operation of a group of libraries, has drawn up a scheme for compiling a Union Catalogue of Scientific and Technical Publications. The libraries which participate in this scheme send catalogue cards of their new acquisitions for the Union Catalogue which is housed at the SLSTIC.

This issue records, under broad subject headings, the information received by the SLSTIC during January/March 1978 for the Union Catalogue which is arranged alphabetically by Author; the subject headings related to Natural and Applied Sciences are arranged by UDC and those related to Science Policy by the SPIMES Classification Scheme. (Science and Technology Policies Information Exchange System) Hence, this would serve as a subject guide to the Union Catalogue. Based on the current information received we intend to publish this bulletin quarterly. A list of Overseas Standards received by the Bureau of Ceylon Standards during the period January/March 1978 is given in the Bulletin as an appendix.

It is expected that the Current Science Bulletin would help a library to develop awareness of current holdings of other libraries so that it would modify, if necessary, its acquisition policy. Further it would facilitate promotion of inter-library loan schemes.

PARTICIPATING LIBRARIES

BC(C)	British Council (Colombo), 154, Galle Rd., Colombo 3. Tel. 23381, 23382
BC(K)	British Council (Kandy) Dalada Veediya, Kandy Tel. 08/3140
BCS	Bureau of Ceylon Standards, 53, Dharmapala Mawatha, Colombo 3. Tel. 26051
CEB	Ceylon Electricity Board, 50, Sir Chittampalam A. Gardinar Mawatha, Colombo 2. Tel. 24471
CISIR	Ceylon Institute of Scientific & Industrial Research, 363, Bauddhaloka Mawatha, Colombo 7. Tel. 93807
CRI	Coconut Research Institute, Bandirippu Estate, Lunuwila. Tel. 95 Dankotuwa
CSC	Ceylon Steel Corporation, Aturugiriya. Tel. 079/211-213 (29447-8)
FRS	Fisheries Research Station, Galle Face, Colombo 3. Tel. 26972, 27431
IDB	Industrial Development Board, 615, Galle Road, Katubedde, Moratuwa. Teol.072/323
NML	Dept. of National Museums, Albert Crescent, Colombo 7. Tel. 93314
NSC	National Science Council of Sri Lanka, 47/5, Maitland Place, Colombo 7. Tel. 96771-3
RRI	Rubber Research Institute, Dartonfield, Agalawatte. Tel. 26 Agalawatte.
SEC	State Engineering Corporation, 130, WAD Ramanayake Mawatha, Colombo 2. Tel. 21261, 20211
SLML	Sri Lanka Medical Library, 6 Wijerama Mawatha Colombo 7. Tel. 91420
UC	University of Sri Lanka, Colombo Campus, Reid Avenue, Colombo 3 Tel. 86432
UCM	University of Sri Lanka, Medical Library Faculty of Medicine, Kynsey Rd., Colombo 8. Tel. 92068
UJ	University of Sri Lanka, Jaffna Campus, Thirunelvely, Jaffna. Tel. 481, 7592-4 Jaffna.
UK	University of Sri Lanka, Katubedde Campus, Katubedde. Teol. 072/301,534
UP	University of Sri Lanka, Peradeniya Campus, Peradeniya. Tel. 08-8301-03045
WSDB	Water Supply & Drainage Board, Ratmalana. Tel. 071/367, 316, 528

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Appendix - I

B C S

LIST
OF
OVERSEA STANDARDS

/LIST OF OVERSEA STANDARDS RECEIVED BY THE BUREAU OF CEYLON STANDARDS DURING THE PERIOD JAN./MARCH. 1978/

KEY TO COUNTRY OF ORIGIN

ANSI	-	USA
AS	-	Australia
ASTM	-	USA
BS	-	UK
CAS	-	Central Africa
CGSB	-	Canadian Govt. Specification Board
CKS	-	South Africa
CNS	-	China
CSA	-	Canada
DIN	-	Germany
FED.	-	USA
FAO	-	Food & Agricultural Organization
GNSB	-	Republic of Ghana
IEC	-	International Electrotechnical Commission
IS	-	India
ISO	-	International standards organisation
JIS	-	Japan
KBS	-	South Korea
MS	-	Malaysia
NZS	-	New Zealand
SABS	-	South Africa
SAO	-	Philippines
SI	-	Isreal
SIRU	-	Singapore
TMAI	-	Thailand

KEY TO UDC CLASSIFICATION

665	Oils, Fats, Waxes
665.5	Petroleum, mineral oil processing
666	Glass and ceramic industries
666.1	Glass industry, technology.
666.3/.7	Ceramic and Clay industries
666.9	Lime. Cement
667	Colour industries, Dyes. Paints
667.2	Dyestuffs and dyeing
667.5	Printing inks
667.6	Paint and Varnish Industry
669	Metallurgy
669.14	Steel
669.15	Alloy steels
669.2/-8	Non-ferrous metals
669.3	Copper and copper alloys
669.5	Zinc and zinc alloys
669.715	Aluminium and alloys
669.721	Magnesium
674	Timber and wood work industry
675	Leather industry
676	Paper and pulp industries
677	Textile and cordage industries
677.01	Properties and defects
677.05	Textile machinery and equipment
678	Macrocolecular materials. Rubber and plastics
681	Precision mechanisms. Instruments
684	Furniture. Upholstery
685	Saddlery. Footwear, Gloves, Travel, sport and other equipment
687	Clothing industry. Toilet articles, Brushes etc.
69	Building industry, materials, trades, construction

665 Oils. Fats. Waxes.

BS 3919-76 Technical tallow and grease

IS 8021-75 Dental sticky wax

SI 930-75 White mineral oil for technical use

SI 929-75 White mineral oil - food technology grade

AS 2008-77 Residual bitumen for pavements

AS 1160-76 Bitumen emulsions for constructionand maintenance of pavements

665.5 Petroleum. Mineral oil processing

SABS 089/3-76 Petroleum industry pt. 3- The installation of underground storage tanks, pumps/dispensers etc.

ISC 3675-76 Crude petroleum and liquid petroleum products

(IS 1448/25-76 Methods of test for petroleum and its products - viscosity

ISO 3771-77 Petroleum products - total base number

IS 1448/40-76 Methods of test for petroleum - water by distillation
IS 1448/15-76 -do- - Copper corrosion

ISO 3734-76 - Crude petroleum and fuel oils of water and sodiment

AS 2018-77 SAA Liquid petroleum pipeline code

ISO 1998/11-76 Petroleum industry - vocabulary - part 2

ISO 3840-76 Petroleum distillates - determination of olefinic plus aromatic hydrocarbons content

ISO 5024-76 Petroleum liquids and gases - measurement - standard reference conditions

ISO 3924-77 Petroleum products - determination of boiling range distribution

BS 5379-76 Determination of the sulphur content of petroleum products by the Wickbold combustion method

JIS K 2609-75 Testing method for nitrogen in petroleum products

ISO 5163 & 5164-77 Motor and aviation type fuels - determination of knock characteristics

BS 5290-76 Determination of lead content of gasoline by volumetric chromate method

ISO 5165-77 Diesel fuels determination of ignition quality

DIN 51803, 51533-74 Testing of lubricants

BS 5362-76 Rolling bearing greases

BS PAS Part 2,3-75 Heavy duty engine oils

BS PAS Part 1,2,3-75 Exterme pressure gear oils

BS PAS 2-75 Straight mineral lubricating oils

PAS 5-75 Mineral turbine oils

SABS 555-76 Insulating oil for transformers

IS 1758-75 Jute batching oil

666 Glass and Ceramic Industries

666.1 Glass industry, technology

ISO 4704-7 Glass plant, pipeline and fittings - glass plant components

BS 4602-77 The use of metric units in specifications for glass containers and finishes

ISO 3344-77 Textile glass products - determination of moisture content

IS 8183-76 Bonded mineral wool

AS 2009-77 Glass beads for traffic markings

666.3/.7 Ceramic and clay industries

IS 7983-76 Cleaning solution, porcelain

AS 1976-76 Vitreous china used in sanitary appliances

SABS 48-76 Refractory bricks

JIS R 2304-76 Fire clay bricks

JIS R 2303-76 Silica brick

JIS R 2306-76 Chrome-magnesia brick

666.9 Lime, Cement

IS 1849/part 1 Sec. 1-76 Guide for design and installation of vertical mixed feed lime kiln Part 1. Limestone

IS 5513-76 Vicat apparatus

IS 8125-76 Dimensions and materials of cement rotary kilns components and auxilliaries

IS 269-76 Ordinary and low heat portland cement

IS 455-76 Portland slag cement

IS 1489-76 Portland pozzolana cement

IS 8229 Oil-well cement

JIS A 1108-76 Methods of test for compressive strength of concrete

IS 4926-76 Ready-mixed concrete

SI 896-76 Chemical admixtures for concrete

IS 8142-76 Method of test for determining setting time of concrete by penetration resistance

JIS A 1106-76 Method of test for flexural strenght of concrete (:

JIS A 5308-75 Ready mixed concrete

JIS A 1111-76 Method of test for surface moisture in fine aggregate

JIS A 1105-76 Method of test for organic impurities in fine aggregate

JIS A 5343-75 Spun concrete curbs

JIS A 5325-75 Reinforced concrete sheet piles

JIS A 5342-75 Spun reinforced concrete curb gutters

JIS A 5302-75 Reinforced concrete pipes

JIS A 5303-76 Centrifugal reinforced concrete pipes

667 Colour Industries. Dyes. Paints

667.2 Dyestuffs and dyeing

IS 8196-76 2,4-dinitrotoluene

IS 8223-76 phenyl peri acid

IS 4526-76 2,5 dichloroaniline

IS 8232-76 2,6 - diaminoanthraquinone

667.5 Printing inks

IS 8277-76 Water based recorder inks

SABS 869-76 Mine crayons

667.6 Paint and varnish industry

IS 38-76 Antimony oxide for paints

DIN 55947-73 Paints and plastics - common definitions

Methods of test for paints

MS 1.38 F3-76 Part F 3- Resistance to artificial weathering

MS 1.38 F5-75 part F 5 - Determination of light fastness

MS 1.38 G 5-75 part G 5 - Resistance to liquids

DIN 53160-74 Testing of colored toys for resistance to saliva and perspiration

MS 1.69-75 primary paint: zinc chromate for metal surfaces

MS 1.68-75 -do-: red oxide for iron and steel

ISO 510-77 Red lead forpaints

ISO 591-77 Titanium dioxide pigments for paints

IS 33-76 Methods of sampling and test for inorganic pigments and extenders for paints

MS 1.80-75 Paint, dry, cementtitions

SI935-76 Road markings - Paints for road markings

IS 342-76 Varnish, acid resisting

MS 1.83-75 Paint remover, solvent type, non-flammable

669 Metallurgy

669.1 Ferrous metals. Iron. Steel

IS 1956 part 6 - 76 Glossary of terms relating to iron and steel. part VI - forging

JIS H 2601-76 Iron powder

669.13 Cast iron

JIS G 1253-76 Method for photoelectric emission spectrochemical analysis of iron and steel

BS 1452-77 Grey iron casstings

AS 2027-77 Abrasion - resistant white iron castings

669.14 Steel genrally. Carbon Steels

DIN 1541-75 Flat steel products - cold rolled wide mild strip and sheet for unalloyed steels

DIN 1544-75 -do- cold rolled steem strip dimensions

AS 1397-77 Hot-dipped zinc coated or aluminium/zn coated steel sheet in coil and cut lengths.

DIN 6935-75 Cold bending of flat folled steel products

IS 6240-76 Hot rolled steel plate (up to 6 mm) sheet and strip for gas cylinders

DIN 59200-75 Flat steel products - hot rolled wide flats-dimensions permissible variations on dimensions

DIN 25512-78 Corrugated sheet profiles for railway

DIN 59413-76 Cold rolled steel sections

DIN 17118-76 -do- Technical conditions for delivery

AS 1302-77 Steel reinforcing bars for concrete

IS 1835-76 Round steel wire for ropes

ISO 559-77 Welded or seamless steel tubes for water, sewage and gas

AS 2052-77 Metallic conduits and fittings

DIN 7526-71 Steel forgings

JIS B 6913-75 Quenching and tempering of steel

IS 2898-76 Steel balls for rolling bearings

ISO 4998-77 Continuous hot-dip zinc-coated carbon steel sheet of structural quality

AS 1980-77 Methods for the measurement of case depth in steels

BS 2S 131-77 High thermal expansion steel billets, bars, forgings and parts

JIS G 3525-77 Wire rope

KS 06-02:75 Glavanised pain steel sheets

669.15 Alloy steels

AS 2038-77 Methods for detecting the susceptibility of sustentic stainless steels to intergranular corrosion

IS 4260-76 Recommended paractice for ultrasonic testing of welds in ferrite steels

BS 2S 142-77 1%Chromium-molybdenum steel billets, bars, forgings and parts

BS 2S 135-77 1% carbon-chromium steel billets, bars, forgings

BS 2S 136-77 1% carbon-chromium steel vacuum arc remelted billets, bars, forgings

669.2/.8 Non-ferrous metals

669.2 Non-ferrous metallurgy generally

AS 1901-76 Electroplated coatings of gold and gold alloys for engineering application

AS 1902-76 Electroplated coatings of gold and gold alloys for decorative application

IS 8080-76 Silver coated copper wire

BS 375-77 Refined nickel

IS 7970-76 Tantalum powder for capacitors

669.3 Copper and copper alloys

IS 8080-76 Silver coated copper wire

AS 1585-76 Capillary and brazing fittings of copper and copper alloy.

JIS H 3102-76 Copper sheets for printing

ISO 1338-77 Cast copper alloys

DIN 48201 part 1-65 Copper stranded conductors

JIS H 3207-76 Brass sheets for musical reed

DIN 48201-65 Bronze stranded conductors

IS 8119-76 Copper brazed steel tubing

669.5 Zinc and zinc alloys

AS 1881-77 Zinc alloy ingots

AS 1397-77 Hot-dipped zinc-coated or aluminium/zinc coated steel sheet in coil and cut lengths

AS 1445-77 76 mm pitch corrugated hot-dipped zinc - coated or aluminium/zinc coated steel sheet

ISO 4998-77 Continuous hot dip zinc-coated carbon steel sheet of structural quality

669.715 Aluminium and alloys

anodizing of aluminium and its alloys

DIN 59604-73 Slugs of aluminium for impact extrusion

DIN 1770-74 Rectangular bars of aluminium

ISO 3256-77 Aluminium and aluminium alloys - determination of magnesium

ISO 3980-77 -do- - determination of copper.

ISO 3974-77 Aluminium and aluminium alloys- determination of nickel

AS 1892-77 Portable metal ladders

IS 7092/2 - 76 Aluminium alloy test tube for irrigation purposes. part 2. Extruded tube

JIS H 8681-76 Test methods for corrosion resistance of anodic oxidation coatings on aluminium and aluminium alloys

AS 1956-76 Anodic oxidation coatings on aluminium for decorative automotive applications

669.721 Magnesium

JIS H 4201 - 76 Magnesium alloy sheet and plate

JIS H 4203-76 Magnesium alloy bar

JIS H 4204-76 Magnesium alloy extruded shape

JIS H 4202-76 Magnesium alloy seamless tubes

JIS H 2221-76 Magnesium alloy ingots for castings

674 Timber and woodwork industry

IS 8001-76 Packaging of plywood, blackboards and flush doors for export

IS 10-76 Plywood tochests

IS 710-76 Machine plywood

IS 707-76 Glossary of terms applicable to timber technology and utilization

SABS 1099-76 Hardwood furniture timber

674.5 Tools, machinery, equipment

SABS 091-74 The safe working of power-driven woodworking machinery

IS 8099-76 Sizes of collars for circular saw blades for woodworking machines

IS 8202-76 Carpenters' wooden bodied nose planes without Ramshorn handle

IS 8203-76 Carpenters' wooden bodied nose planes

IS 8204-76 Carpenter's wooden bodied jack planes

IS 8205-76 Crapenters' wooden bodied try planes

IS 8206-76 Carpenters' wooden bodied smoothing planes

IS 8107-77 Test chart for woodworking routing machines

IS 8209-76 Cut irons and cap irons for carpenters' wooden bodied bench planes

IS 8210-76. Technical supply conditions for carpenters' wooden bodied bench planes

IS 3694-75 Test chart for wood turning latches

675 Leather industry

ISO 4045-77 Leather - determination or pH

ISO 4044-77 -do- Preparation of chemical test samples

IS 2241-76 Round leather belting for small machines

IS 2240-76 Vegetable tanned leather belting for power transmission

IS 581-76 Vegetable tenned hydraulic leather

IS 8121-76 Chromed buff calf skin in wet-blue condition

IS 8170-76 Guidelines for identification of finished leathers for export

IS 3020-76 Leather for oil seals

676 Paper and pulp industries

676.017 Testing. Properties and defects. strenght

KS 03-03-76 Trimmed sizes of paper for writing and printing

IS 7063-/4-76 Test methods for corrugated fibreboard, Determination of substances of the component papers after separation.

ISO 3688-77 Pulp - measurement of diffuse blue reflectance factor

676.2 Paper and board manufacture

ISO 187-77 Paper and board - conditioning of samples

KS 03-03-76 Trimmed sizes of paper for writing and printing

IS 3413-77 Base paper for carbon paper

IS 8279-76 Hectographic carbon paper

676.8 Paper and (card)board wares

AS 2059-77 Pressure sensitive adhesives adge-binding tapes

AS 2060-77 Pressure senstitive adhesive masking tapes

AS 2058-77 Pressure sensitive adhesive double-faced tapes

677 Textile and cordage industries

677.01 Generalities. Properties and defects

IS 7877 Parts 1-4-76 Method of sampling and tests for hand-made carpets

IS 1889/1-76 Method for quentitative chemical analysis of binary mixtures of regenerated cellulose fibres and cotton

MS 2.20/17-75 Methods of test for colourfastness of textiles part 17. to organic solvents

MS 2.20/18-75 -do- part 18. to chlorinated water

MS 2.20/19-75 -do- part 19. to hot pressing

MS 2.20/20-75 -do- part 20. Bleaching with hypochlorite

AS 1980-76 Core sampling of raw wool in bales

ISO 3801-77 Textiles - woven fabrics - determination of mass per unit length

ISO 1421-77 Coated fabrics - breaking strength

ISO 4674-77 -do- - tear resistance

ISO 5081-77 Textiles - woven fabrics - determination of breaking strength

ISO 3998-77 Textiles - Determination of resistance to certain insect pests

678.05 Textiles machinery and equipment

ISO 3464-77 Bearings for bottom rollers and allied dimensions

ISO 98-77 Spining preparatory and spinning machinery

ISO 143-77 Weft prins for automatic looms

ISO 5235-77 Ring spinning frames and speed frames

IS 3078-76 Rings for spinning and doubling frames

IS 838-76 Tin rollers for cotton ring spinning frames

IS 2510-76 Bottom rollers for drafting systems

ISO 1809-77 Types of formers for yarn packages

ISO 481-77 Warper's beams - terminology

ISO 5243-77 Numbering of heald frames in a loom

IS 1737-76 Spring buffers for cotton looms

IS 8138-76 Picking nose

IS 8139-76 Picking cone and bolt for looms

IS 4775-76 Picking sticks for automatic and under-pick looms

IS 8304-77 Wooden winding rollers for textile finishing machines

ISO 1586-77 Shuttles

IS 1619-76 Buffer band for cop-changing automatic looms

677.06 Textile products. Fabrics. Cloths

ISO 3801 - 77 Textiles -woven fabrics - determination of mass/unit length

IS 7940-76 Method for determining resistance to penetration by water of fabrics by static pressure head test

AS 1176/76 Methods of test for combustion characteristics of textile materials

AS 1248-76 Fabrics for domestic apparel of the low fire hazard type

BS 3408 - 77 Tarpaulins

677.1 Plant or vegetable fibres

IS 8117 - 76 DW tarpaulin laminated jute bags for pesticides

BS 2052-77 Ropes made from manila, sisal, hemp, cotton and coir

IS 8115-76 Double hessain jute bags for pesticides

BS 1214-77 Hessain sandbags and root-proofed hessain sand bags

677.4 Man-made fibres

ISO 5079-77 Determination of breaking strength

JIS L 1013-69 Testing method for rayon filament yarn

JIS L 1015-69 Testing method for rayon staple fibre

IS 8302-77 Braided tape for berets

JIS L 2704 - 69 Nylon ropes

BS 5455-77 Polyurethane coated nylon fabric for mattress covers

IS 8303-77 Twines made from fibrillated high density polyurethane tapes

IS 7610-76 Machinery fabrics, wool

677.7 Cordage. Trimmings

JIS L 2704 - 69 Nylon ropes

ISO Tech. Report 3818-77. Ropes and cordages - rope assemblies

IS 8216-76 Guide for inspection of lift wire ropes

IS 8156-76 Fastener, hook and loop tape, synthetic

678 Macromolecular materials. Rubbers and plastics

678.01 Properties. Testing

BS 1673/10-1977 Methods of test for raw rubber and unvulcanized compounded rubber. part 10. Measurement of prevulcanizing and curing characteristics

BS 903/A 32-77 Vulcanized rubber. Part A 32. General directions for achieving elevated or sub-normal temperatures.

BS 4470-77 Evaluation procedures for raw isobutene isoprene rubbers

BS 5474-77 Test recipe and evaluation of vulcanization characteristics of isoprene rubbers

678.03 Raw and semi-processed materials

ISO 4655-77 Rubber - reinforced styrene butadiene latex - determination of total bound styrene content

ISO 4660-77 Rubber, raw natural - colour index test

678.4 Rubbers

ISO 37-77 Rubber, vulcanized - tensile stress

IS 8164-76 Hospital rubber sheeting without reinforcing fabric

IS 917-76 Activated calcium carbonate for rubber industry

IS 8135-76 Fast extrusion furnace carbon black

AS 1693/2-77 Rubber ring joints for vitrified clay pipes

678.5 Plastics

DIN 55947-73 Paints and plastics - common definitions

BS 2782/part 3-77 Plastics - mechanical properties

DIN 53468- 74 Testing of plastics - apparent density

BS 5452-77 Hospital hollowware made of plastic material

678.6 Synthetic polycondensates

ISO 120-77 Plastics - phenol formaldehyde mouldings - determination of free ammonia

ISO 119-77 Plastics - phenol formaldehyde mouldings - free phenols

SABS 1100-77 Industrial laminated sheets based on phenolic resin

ISO 2112-77 Plastics - Aminoplastic moulding materials

ISO 4614-77 Plastics - Melanine - formaldehyde mouldings

SABS 642-76 Reconstituted flexible poly-urethane foams

IS 8255-76 Flexible load bearing polyurethane foam components

ISO 307-77 Plastics - determination of viscosity number of polyamides in dilute solution

678.7 Synthetic polymerizates ; rubbers, resins etc.

SABS 0129 - 77 plastic tape wrapping of steel pipelines

ISO 4659-77 Rubber, (SBR) - master batches with carbon black or carbon black oil

BS 5468 - 77 Cross-linked polyethylene insulation of electric cables

ISO 4610 - 77 Plastics - Vinyl chloride homoplymer and copolymer resins

ISO 4434-77 UPVC adaptor fittings for pipes under pressure

ISO 4608-77 PVC resin for general use - determination of plasticizer absorption at room temperature

BS 3837 - 77 Expanded polystyrene boards

681 Precision mechanisms. Instruments

681.6 Printing machines and equipment

JIS H 3102 - 76 Copper sheets for printing

ISO 3866, 2775-77 Office machines and printing machines used for information processing

ISO 1091-77 Typewriters - Layout of printing and function keys

ISO 3883 - 77Office machines - line and character capacity of address masters

681.8 Musical instruments Sound recording, reproduction

JIS H 3207 - 76 Brass sheets for musical reed

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IS 8234-76 Spools for magnetic tapes for sound recording

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BS 5462-77 Lined rubber boots with protective midsoles

BS 5451-77 Electrically conducting and antistatic rubber footwear

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current science bulletin

SRI LANKA SCIENTIFIC & TECHNICAL INFORMATION CENTRE

VOLUME II NO. 2
APRIL/JUNE 1978

NATIONAL SCIENCE COUNCIL OF SRI LANKA
47/5, MAITLAND PLACE, COLOMBO 7, SRI LANKA

CURRENT SCIENCE BULLETIN

As an attempt at meeting the information requirements of Scientists, Research Workers and Libraries, SLSTIC with the co-operation of a group of libraries, has drawn up a scheme for compiling a Union Catalogue of Scientific and Technical Publications. The libraries which participate in this scheme send catalogue cards of their new acquisitions for the Union Catalogue which is housed at the SLSTIC.

This issue records, under broad subject headings, the information received by the SLSTIC during April/June 1978 for the Union Catalogue which is arranged alphabetically by Author; the subject headings related to Natural and Applied Sciences are arranged by UDC and those related to Science Policy by the SPINES Classification Scheme. (Science and Technology Policies Information Exchange System) Hence, this would serve as a subject guide to the Union Catalogue. Based on the current information received we intend to publish this bulletin quarterly. A list of Overseas Standards received by the Bureau of Ceylon Standards during the period April/June 1978 is given in the Bulletin as an appendix.

It is expected that the Current Science Bulletin would help a library to develop awareness of current holdings of other libraries so that it would modify, if necessary, its acquisition policy. Further it would facilitate promotion of inter-library loan schemes.

PARTICIPATING LIBRARIES

BC(C)	British Council (Colombo), 154, Galle Rd., Colombo 3. Tel. 23381, 23382
BC(K)	British Council(Kandy), Dalada Veediya, Kandy. Tel. 08/3140
BCS	Bureau of Ceylon Standards, 53, Dharmapala Mawatha Colombo 3. Tel. 26051
CEB	Ceylon Electricity Board, 50, Sir Chittampalam A. Gardiner Mawatha, Colombo 2. Tel. 24471
CISIR	Ceylon Institute of Scientific & Industrial Research 363, Bauddhaloka Mawatha, Colombo 7. Tel. 93807
CPC	Colombo Port Commission Technical Library, Port Commission, Colombo 1. Tel. 21201
CRI	Coconut Research Institute, Bandirippu Estate, Lunuwila, Tel. 95 Dankotuwa
CSC	Ceylon Steel Corporation, Aturugiriya Tel. 079/211-213 (29447-8)
CTB	Ceylon Transport Board, Engineering Div. Werahera, Borelasgamuwa Tel. 81121
CTC	Ceylon Technical College, Colombo 10 Tel. 24176
FRS	Fisheries Research Station, Galle Face, Colombo 3. Tel. 26972, 27431
IDB	Industrial Development Board, 615, Galle Rd., Katubedde, Moratuwa. Tel. 072/323
NML	Dept. of National Museums, Albert Crescent, Colombo 7. Tel. 93314
NSC	National Science Council of Sri Lanka, 47/5, Maitland Place, Colombo 7. Tel. 96771-3
RRI	Rubber Research Institute, Dartonfield, Agalawatte. Tel. 26 Agalawatte
SEC	State Engineering Corporation, 130, WAD Ramanayake Mawatha, Colombo 2. Tel. 21261, 20211
SLML	Sri Lanka Medical Library, 6, Wijerama Mawatha, Colombo 7 Tel. 91420
UC	University of Sri Lanka, Colombo Campus, Reid Avenue, Colombo 3. Tel. 86432
UCM	University of Sri Lanka, Medical Library, Faculty of Medicine, Kynsey Rd., Colombo 8. Tel. 92068
UJ	University of Sri Lanka, Jaffna Campus, Thirunelvelly, Jaffna. Tel. 481, 7592-4 Jaffna
UK	University of Sri Lanka, Katubedde Campus, Katubedde, Moratuwa. Tel. 072/301,534
UP	University of Sri Lanka, Peradeniya Campus, Peradeniya. Tel. 08-8301-03045
WSDB	Water Supply & Drainage Board, Ratmalana. Tel. 071/367, 316, 528

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Appendix II

B C S

LIST
OF
OVERSEA STANDARDS

/LIST OF OVERSEA STANDARDS RECEIVED BY THE BUREAU OF CEYLON STANDARDS DURING THE PERIOD APRIL/JUNE 1978/

KEY TO COUNTRY OF ORIGIN

ANSI	USA
AS	Australia
ASTM	USA
BS	UK
CAS	Central Africa
CGSB	Canadian Govt. Specification Board
CKS	South Africa
CNS	China
CAS	Canada
DIN	Germany
FED	USA
FAO	Food & Agricultural Organisation
GNSB	Republic of Ghana
IEC	International Electrotechnical Commission
IS	India
ISO	International standards organisation
JIS	Japan
KBS	South Korea
MS	Malaysia
NZS	New Zealand
SABS	South Africa
SAO	Philippines
SI	Israel
SIRU	Singapore
TEMI	Thailand

KEY TO UDC CLASSIFICATION

001	The sciences and knowledge in general
001.4	Scientific nomenclature, Terminology
003	Writing. Scripts. Notations.
003.62	Signs, notations and symbols
02	Libraries
31	Statistics
37	Education
389.1	Weights and measures
53	Physics and mechanics
534	Vibrations. Acoustics. Sound
536	Heat. Thermodynamics
54	Chemistry
542	Experimental and preparative chemistry
543	Analytical chemistry
547	Organic Chemistry
57	Anthropological and biological science
576.8	Microbiology. Bacteriology and parasitology
614	Public health and safety
614.3	Food, drugs, health and sanitary inspection
614.8	Accidents. prevention, protection and safety
615	Pharmacy. Pharmacology and therapeutics
616	Disease, pathology and medicine

001 The Sciences and knowledge in general

001.4 Scientific nomenclature. Terminology

ISO 3534 - 77 Statistics

ISO 4006-77 Measurement of fluid flow in closed conduits

ISO 1942-77 Dental vocabulary

ISO 4007-77 Personal eye-protectors

ISO 3974-77 Definitions of living animals for slaughter - ovines

DIN 254-74 Conical tapers

AS 1929-77 Non-destructive testing

IS 8270 part 1-76 Guide for preparation of diagrams, charts and tables for electrotechnology

ISO 3857/2-77 Compressors

IS 1956/part 8-76 Steel tubes and pipes

DIN 2402-76 Pipelines - nominal widths

DIN 1910 Pt. 1-74 Welding definitions - classification of welding processes

IS 3971-76 Pallets

ISO 3002/1-77 Geometry of the active part of cutting tools

ISO 3855-77 Milling cutters

ISO 3833-77 Road vehicle types

IS 8214 part 6-76 Glossary of ships' hydrodynamic terms Part VI - Strength and vibration

IS 8215-76 Ships' propellers

ISO 1151/6-77 Terms and symbols for flight dynamics part 6 - aircraft geometry

ISO 3918-77 Milking machine installation

IS 8122/1-76 Test code for combine harvester-thresher part 1.

ISO 3971-77 Rice milling - symbols and equivalent terms

ISO 5492/1-77 Sensory analysis

ISO 4481-77 Cutlery and flatware

ISO 2424-77 Textile floor coverings - Classification and terminology

DIN 8580-74 Manufacturing methods classification

BS 5456-77 Coffee and its products

IS 4287-76 Starch

IS 1956/part 1-76 Iron and steel part 1- General metallurgy, heat treatment and testing

ISO3134/2-77(Technical Report) Light metals and their alloys - unwrought products

ISO 1295-70 Paper vocabulary

ISO 1809-77 Textile machinery and accessories - types of formers for yarn packages

ISO 1865-77 Textile machinery and accessories - serrated bars for mechanical warp stop motions

ISO 1586-77 Textile machinery and accessories - serrated bars for mechanical warp stop motions shuttles

BS 3527/part 7-77 Digital computer programming

IS 8260/part 2-76 Opthalmic lenses and spectacle frames

ISO 3880/1-77 Building construction - Stairs

003 Writing. Scripts. Notations. Signs and symbols

ISO 2384-77 Documentation - presentation of translations

BS 5477-77 Visual assessment, by grid assay, of dirt in paper for character recognition

003.62 Signs notations and symbols

ISO 3511/1-77 Process measurement control functions and instrumentation - symbolic representation part 1 - Basic requirements

IS 7974/3-76 Graphical symbols for use on detailed maps, plans and geological cross sections part 3 - representation of magnatic rocks

BS 1533 part 1-77 Graphical symbols for general engineering part 1. piping systems and plant

BS 2917-77 Graphical symbols used on diagrams for fluid power systems and components

AS 1102 part 12-77 Graphical symbols for electrotechnology - electric traction

BS 3939 sec. 21 Graphical symbols of electrical power telecommunication and electronic diagrams

BS 5478/2-77 Calculators and adding machines. part 2. Layout of functions keys on adding machines.

ISO 4062-77 Dictation equipment - symbols

BS DD 52-77 Recommendations for the presentation of tables, graphs and charts.

02 Libraries. Librarianship

BS 5454-77 The storage and exhibition of archival documents

BS 5195 part 2-77 Bibliographic reference to maps and charts part 2. Reference in books and articles

ISO 8-77 Documentation - presentation of periodicals.

31 Statistics

BS 2846/5-77 Guide to statistical interpretation of data part 5. power of tests relating to means and variances

ISO 3534-77 Statistics - vocabulary and symbols

37 Education

SI 873 - 76 School bag

SABS 1147-77 Leather school bags and school briefcases.

NZS 8131-77 Rulers and mdtric rules primarily for schools

389.1 Weights and measures

DIN 4890-75 Inch-millimetre - fundamentals forconversion

DIN 4892-75 -do- - Conversion tables

SABS/17/1396H-76 The international system of units (SI) part 2. Rules for the use of basic, supplementary and derived units of the international system and their decimal multiples and submultiples

SABS 18/1396H-76 Conversion of toleranced dimensions form inches into millimetres and vice versa

BS 4602-77 The use of metric units in specifications for glass containers and finishes.

JIS Z 8413-76 Pounds/square inch-kilograms per square centrimetre conversion tables

SABS 16/1396H-76 The international system of units (SI) part 1. Base, supplementary and derived quantitites and units

53 Physics and mechanics

531 Mechanics

IS 3179-76 Feeler gauges (0.03 to 1.00 mm)

AS 1984-77 Vernier calipers

BS 5204/2-77 Straight edges part 2. steel or granite straight edges of rectangular section

AS 2026-77 Density hydrometers

BS 5471-77 Thermometer for use with alcohol hydrometers

ISO 650-77 Relative density $60^{\circ}/60^{\circ}F$ hydrometer for general purposes

ISO 387-77 Hydrometers - principle of construction and adjustment

BS 5470-77 Glass alcohol hydrometers not incorporating a thermometer

IS 8244-76 Methods of calibration of vacuum gauges by direct comparison with reference gauges.

IS 8280-76 Method of calibration of ionization vacuum gauges

532 Fluid mechanics. Hydromechanics

ISO 4402-77 Hydraulic fluid power - calibration of liquid automatic particle count instrument

AS 1978-77 SAA codes for field pressure testing of pipelines

ISO 4399-77 Fluid power systems and components - connectors and associated components

SAS 21/1396H-76 Measuring of viscosity by Saytoll universal viscometer

AS 2054-77 Spirit levels for use in precision engineering

AS 1983-77 Spirit level vials

ISO 3716-77 Liquid flow measurement in open channels-functional requirements

ISO 4364-77 Liquid flow measurement in open channels-BED MATERIAL SAMPLING .

ISO 3966-77 Measurement of fluid flow in closed conduits-velosity area method using pilot static tubes

ISO 4053/1-77 Measurement of gas flow in conduits - tracer methods part 1 - General

534 Vibrations. Acoustics. Sound

ISO 3822/1-77 Laboratory tests on noise emission by appliances and equipment used in water supply measurement.

AS 2012-77 Method for measurement of airborne noise from agricultural tractors and earthmoving machinery

IS 8225-76 Method of measurement of absorption coefficient in a reverberation room

IS 8225-76 Code of measurement of absorption coefficient in a reverberation room

IS 8146-76 Method of measurement of reverberation time in auditorium

IS 8152-76 Method of measurement of speed fluctuations in sound recording and reproducing equipment

536 Heat. Thermodynamics

DIN 1343-75 Standard condition, standard volume

BS 2011 part 2. Ca-77 Basic environmental testing procedures. Test Ca. Damp heat, steady state.

ISO 4786-77 Enclosed-scale adjustable - range thermometers.

ISO 3999-77 Apparatus for gamma radiography- specification

542 Experimental and preparative chemistry

542.2 Laboratory apparatus

ISO 4796-77 Laboratory glassware - bottles

SABS 1108-77 Glass test tubes

IS 1381/1-76 Boiling flasks part 1. Flasks with plain neck

JIS H 6201-76 platinum crucibles
JIS H 6203-76 Platinum basins

AS 1952-76 Dosensing measures for pharmaceutical purposes

ISO 650-77 Relative density $60/60^{\circ}F$ hydrometers for general purposes

ISO 387-77 Hydrometers- principles of construction and adjustment

SABS 1106-77 Measuring cylinders graduated

SABS 1105-77 Pipolets - graduated

SABS 1104-77 Pipettes (one-mark)

543 Analytical chemistry

543.3 Water sampling and analysis

AS 2051-77 Recommendations for the sampling and analysis of waters for heavy metals with special reference to mercury

AS 2031 part 1-77 Recommendations for the selection of containers and preservation of water samples for chemical and microbiological analysis Part I - Chemical

-do- Part 2. Microbiological (AS 2031 part 2 -77

DIN 38404 part 1-77 Methods for analysing of water, waste water and sludge. part I: determination of colour

DIN 38404 part 2-76 -do- part 2. Determination of turbidity.

DIN 38404 part 3-76 -do- part 3. Determination of absorption in the field of UV radiation

547 Organic chemistry

547.5 Cyclic (ring compounds)

IS 8267-76 Dalapon - sodium, technical

BS 458, 805-1977 Benzenes, xylenes and toluenes

IS 8196-76 2,4 dinitrotoluene

IS 8195-76 4-nitro chlorobenzene

IS 8194-76 3-nitrobenzene

IS 8193-76 2-nitrobenzene

IS 4526-76 2,5- dichloroaniline.

IS 8120-76 Schaeffers acid, technical

547.6 Polycyclic (multi-ring)isocyclic compounds

IS 5042-76 1- aminoanthroquinone.

IS 5043-76 2-aminoanthroquinone

IS 8252-76 2,6 diaminoanthroquinone

547.8 Heterocyclic compounds with 6 or more membered rings

IS 8058-76 Pyridine .

IS 8050-76 Alpha picoline

547.9 Natural substances

BS 5475/2-77 Detection of foreign fats in dairy products

ISO 2881-77 Tobacco and tobacco products - determination of alkaloids

ISO 3401-77 -do- determination of alkaloid retention by filter of cigrettes

IS 8184-76 Method for determination of ergot in food grains

IS 8162-76 Method for determination of wet gluten in wheat flour

57 Anthropological and biological science

576.8 Microbiology. Bacteriology and parasitology

SI 956-76 Microbiological tests for milk and milk products

IS 885 part 7-76 Microbiological test methods for foodstuffs: detection and identificationof salmonellae

BS 5349-77 Microbiological examination of clostridium perfringens

BS 5349 - 77 part 8- detection of salmonellae

614 Public health and safety

614.3 Food, drugs, health, sanitary inspection

IS 8124-76 Code of hygienic conditions for sale of sugarcane juice

IS 8182-76 Code of hygienic conditions for processed meat products

IS 8123-76 Code of hygienic conditions for sale of cut fruit juice and fruit salad

614.8 Accidents: prevention, protection and safety

SI 179-76 Stretchers

AS 1876-76 Child barriers for domestic premises

AS 1894-76 Safe handling of cryogenic fluids

IS 8095-76 Accidents prevention tags

BS 5378-76 Safety colours and safety signs

BS M 76-76 Safety features of cranes

IS 8089-76 Code of safe practice for layout of outside facilities in an industrial plant

AS 8091-76 Code of safe practice for industrial plant layout

AS 2020-77 Safety covers for private swimming pools and wading pools

AS 1891-76 Industrial safety belts and harnesses

AS 2017-77 Safety procedures affecting the operation, maintenance, and repairs of road tank vehicles for flammable liquids

SI 317/4-77 Extinguishing powder

BS 5445-77 Components of automatic fire detection systems

AS 2036-77 Manually operated fire alarm call points

IS 8096-76 Fire beaters

ISO 3500-76 Seamless steel CO_2 cylinders for fixed fire-fighting installations on ships

SABS 1128-77 Fire fighting equipment

BS 3251-76 Indicator plates for fire hydrants and emergency water supplies

BS 750-77 Underground fire hydrants and surface box frames and covers

BS 5274-76 Fire hose reels for fixed installation

SI 570-75 Portable fire extinguishers, dry powder stored pressure type

IS 2171-76 Portable fire extinguishers, dry type

AS 1846-76 Portable fire extinguishers, dry chemical type

AS 1840-1842/76 & IS 940-76 Portable fire extinguishers, water type

IS 8149-76 Functional requirements for twin CO_2 fire extinguishers

IS 2878-76 & As 1847-76 Portable fire extinguishers, CO_2 type

AS 1848-76 -do- halogenated hydrocarbon type

IS 933-76, BS 5361-76 & AS 1843/45 -76 - do- foam type

JIS T 8133-75 and AS 2063-77 Protective helmets for vehicular use

NZS 5401-76 and IS 941-76 Seat belt assemblies for motor vehicles

JIS D 4608-75 -do- Test methods

BS 5453-77 and ISO 3776-76 Anchorage for seat belts in protective cabs and frames on agricultural tractors

NZS 5804-77 Safety requirements for baby carriages

IS 4151-76 AS 2063-77 Protective helmets for scooter and motor cycle riders

ISO 4007-77 Eye protectors vocabulary

JIS T 8147-75 - do- with plastic lenses

JIS T 8152-75 Gas masks

615 Pharmacy, Pharmacology and therapeutics

IS 1108-75 Pharmaceutical glass containers

AS 1928-76 Method for testing child-resistance closures for use with therapeutic substances

SABS 1081-76 Detergent disinfectants based on iodophores.

SABS 1082-76 -do- based on phenolics

SABS 1032-75 -do- based on stabilized inorganic chlorine compound

MB 1.70-75 Paraquat solutions

615.38 Haemotherapy. Blood transfusion

BS 3619-76 Mobile infusion stands

ISO 1135-77 Transfusion equipment for medical use

ISO 3825-77 Glass transfusion bottles for medical use

615.471 Medical and surgical instruments

IS 7980-76 Handle of skin grafting blade

IS 7885-75 Spary, Macintosh's pattern

IS 7869-75 Spray, De Nilbiss' Pattern

IS 7817-75 Injector for hip prosthesis

615.472 Therapeutic instruments

IS 8340-77 Needle, aneurism, Syme's pattern

IS 7981-76 Instruments, Tuboplasty

IS 7912-75 Scoop, stanley Boyd's pattern

IS 8345-77 Clamps, bulldog

IS 8317-77 Clamps, vascular, angled at 45°C

IS 8287-76 Pliers, parrot beak, dental

IS 8094-76 Hook, cerumen, cawthorne's

IS 7994-76 Needle holder, barron's pattern

IS8031-76 Dissector, Watsons, cheyne's pattern

IS 8176-76 Dissector, Penfield's pattern

IS 8043-76 Curette, ballance's pattern

IS 8284- 76 Pusher, band, dental

IS 8163-76 Knife, keratome, eye

Repositor, Iris (IS 8181-76)

IS 8532-77 Handle, saw gigli

IS 8312-77 Forceps, endotraceal, Magill's pattern

IS 7893-75 Forceps, towel, Backhauss's pattern

IS 8315-77 Forceps, redressing, Ash's pattern

IS 8040-76 Forceps, artery, Kocher's pattern

IS 8327-77 Forceps, nodule, vocal

615.473 Injection and drainage instruments

AS 1946-76 Single-use hypodermic needles

ISO 1135-77 Transfusion equipment for medical use

BS 3619-76 Mobile infusion stands

SABS 1124-77 Production of injection needle and plastic syringes

BS 5081-76 Sterile hypodermic syringes and needles for single use

IS 8312-77 Forceps, introducing, endotracheal tube

615.477 Orthopaedic appliances

IS 7924-76 Thigh blocks, wooden

BS 5473-77 Spinal and abdominal fabric supports

BS 1882-76 Flexible polymeric tubing

615.478 Furniture. Bedding etc.

IS 8346-77 Stool, operating, dental

BS 2483-77 Overbed tables

BS 5223-76 Hospital bedding

IS 3164-76 Hospital rubber sheeting

BS 5402-76 Patient trolleys

IS 8088-76 Tricycle, hand propelled

IS 8086-76 Wheel chair, folding type

IS 8087-76 Table, operating, paediatric

IS 8079-76 Table, operating, arological

BS 5452-77 Hospital hollow-ware

616 Disease. Pathology and medicine

616.314 Dentistry

IS 8284-76 Pusher, band, dental

BS 3507-76 and AS 1964-77 Orthodontic wires and tapes

ISO 3851-77 Capsulated dental silicate and silica phosphate.

ISO 3824-77 Dental silicophosphate cement

IS 7966-76 Dental modelling wax

IS 8019-76 Dental artificial stone

IS 8020-76 Baseplate, dental

BS 3366-76 Dental base metal casting alloys

IS 8022-76 and ISO 3336-77 Acrylic resin teeth

IS 8021-75 Dental stick wax

AS 1963 - 77 and ISO 1564-76 Dental impression paste

AS 1373-77 Dental excavating burs

ISO 3246-77 Working space for the dentist - definitions and principles

ISO 1562-76 and AS 1625-76 AS 1620-76 Dental casting gold alloys

AS 1183-77 Cold processing resins for denture repairs.

AS 1623-76 Dental gold solder

AS 1622-76 Dental silver solder

current science bulletin

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NATIONAL SCIENCE COUNCIL OF SRI LANKA
47/5, MAITLAND PLACE, COLOMBO 7, SRI LANKA

CURRENT SCIENCE BULLETIN

As an attempt at meeting the information requirements of Scientists, Research Workers and Libraries, SLSTIC with the co-operation of a group of libraries, has drawn up a scheme for compiling a Union Catalogue of Scientific and Technical Publications. The libraries which participate in this scheme send catalogue cards of their new acquisitions for the Union Catalogue which is housed at the SLSTIC.

This issue records, under broad subject headings, the information received by the SLSTIC during July/September 1978 for the Union Catalogue which is arranged alphabetically by Author; the subject headings related to Natural and Applied Sciences are arranged by UDC and those related to Science Policy by the SPINES Classification Scheme. (Science and Technology Policies Information Exchange System) Hence, this would serve as a subject guide to the Union Catalogue. Based on the current information received we intend to publish this bulletin quarterly. A list of Overseas Standards received by the Bureau of Ceylon Standards during the period July/September 1978 is given in the Bulletin as an appendix.

It is expected that the Current Science Bulletin would help a library to develop awareness of current holdings of other libraries so that it would modify, if necessary, acquisition policy. Further it would facilitate promotion of inter-library loan schemes.

PARTICIPATING LIBRARIES

BC(C)	British Council(Colombo), I54, Galle Road, Colombo 3. Tel. 2338I, 23382
BC(K)	British Council(Kandy), Dalada Veediya, Kandy. Tel. 08/3I40
BCS	Bureau of Ceylon Standards, 53, Dharamapala Mawatha, Colombo 3. Tel. 2605I
CEB	Ceylon Electricity Board, 50, Sir Chittampalam A. Gardinar Mawatha, Colombo 2. Tel. 2447I
CISIR	Ceylon Institute of Scientific & Industrial Research 363, Bauddhaloka Mawatha, Colombo 7. Tel. 93807
CPC	Colombo Port Commission Technical Library, Port Commission, Colombo I. Tel. 2I20I
CRI	Coconut Research Institute, Bandirippu Estate, Lunuwila. Tel. 95 Dankotuwa
CSC	Ceylon Steel Corporation, Aturugiriya. Tel. 079/2II-2I3(29447-8)
CTB	Ceylon Transport Board, Engi. Div., Werahera Tel. 8II2I
CTC	Ceylon Technical College, Colombo IO. Tel. 24I76
FRS	Fisheries Research Station, Galle Face, Colombo 3. Tel. 26972, 2743I
IDB	Industrial Development Board, 6I5, Galle Road, Katubedde, Moratuwa. Tel. 072/323
NML	Dept. of National Museums, Albert Crescent, Colombo 7. Tel. 933I4
NSC	National Science Council of Sri Lanka 47/5, Maitland Place, Colombo 7. Tel. 9677I-3
RRI	Rubber Research Institute, Dartonfield, Agalawatte. Tel. 26 Agalawatte
SEC	State Engineering Corporation, I30, WAD Ramanayake Mawatha, Colombo2. Tel. 2I26I, 202II
SLML	Sri Lanka Medical Library, 6, Wijerama Mawatha, Colombo 7. Tel. 9I420
UC	University of Sri Lanka, Colombo Campus, Reid Avenue, Colombo 3. Tel. 86432
UCM	University of Sri Lanka, Medical Library, Faculty of Medicine, Kynsey Rd., Colombo 8.. Tel.92068
UJ	University of Sri Lanka, Jaffna Campus, Thirunelvelly, Jaffna. Tel. 48I, 7592-4 Jaffna
UK	University of Sri Lanka, Katubedde Campus, Katubedde, Moratuwa. Tel. 072/30I, 534
UP	University of Sri Lanka, Peradeniya Campus, Peradeniya. Tel. 08-830I
WSDB	Water Supply & Drainage Board, Ratmalana.. Tel. 07I/367, 3I6, 528

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Appendix I

B C S

LIST
OF
OVERSEA STANDARDS

/LIST OF OVERSEA STANDARDS RECEIVED BY THE BUREAU OF CEYLON STANDARDS DURING THE PERIOD JULY/AUGUST 1979/

KEY TO COUNTRY OF ORIGIN

AHCI	USA
AS	Australia
ASTM	USA
BS	UK
CAS	Central Africa
CGSB	Canadian Govt. Specification Board
CKS	South Africa
CNS	China
CSA	Canada
DIN	Germany
FED	USA
FAO	Food and Agricultural Organization
GNSB	Republic of Ghana
IEC	International Electrotechnical Commission
IS	India
ISO	International Standards Organization
JIS	Japan
KBS	South Korea
MS	Malaysia
MZS	New Zealand
SABS	South Africa
SAO	Philippines
SI	Israel
SIRU	Singapore
THAI	Thailand

KEY TO UDC CLASSIFICATION

62I.3	Electrical Engineering
62i.3i4	Transformers
62I.3I5	Transmission. Lines. Cables. Wiring etc.
62I.3I6	Distribution and control. Switchgear etc.
62I.3I7	Measurements. Instruments and indication
62I.32	Electric Lighting equipment. Lamps.
62I.35	Applied electrochemistry
62I.36	Thermo-electricity
62I.39	Telecommunication
62I.43	Internal combustion engines
62I.5	Pneumatic energy. Machines. Refrigeration. Heat pumps.
62I.6	Fluid distribution. Storage containers. Pipes. Pumps
62I.7	Workshop practice
62I.798	Packaging
62I.8	Power transmission. Materials handling. Mechanical fixing, attachments.
62I.9	Tools. Machine tools. Machinery

621.3 Electrical engineering

AS I076/2-77 Selection, installation and maintenance of electrical apparatus Part 2 - Classification of hazardous areas

AS II02/I2-77 Graphical symbols for electrotechnology - electric traction

IS 2032/I5-76 -do - aircraft electrical symbols

SI 949-76 Handheld electric gas lighter with a vibrator for household use and similar uses

621.3.03 Details, parts etc. for special branches

621.3.032 Lamp, discharge tube and value details

JIS A 4460-76 JIS A4460-76 General rules for test of tungsten and molybdenum for lighting and electronic equipment

JIS H 4462-76 Tungsten rods for lighting and electronic equipments

JIS H 447I-76 Tungsten-molybdenum alloy wires for lighting and electronic equipments

JIS H 4463-76 Thoriated tungesten wires and rods for lighting and electronic equipments

JIS H 446I-76 Tungsten wires for lighting and electronic equipments

JIS H 4482-76 Molybdenum rods for lighting and electronic equipments

JIS H 4482 - 76 Molybdenum sheets for lighting and electronic equipment

JIS H 448I- 76 Molybdenum wires for lighting and electronic equipment

621.3I4 Transformers etc.

BS 4999/33-77 General requirements for rotating electrical machines Part 33- losses and efficiency from tests

DIN 748/3-75 Cylindrical shaft ends for electrical machines

IS 8034-76 Submersible pumpsets for clear, cold fresh water

621.3I5 Transmission. Lines. Cables. Wiring etc.

621.3I5.I Overhead lines

IS 398I/I-76 Aluminium conductors for overhead transmission purpooses

IS 5613 Oart 2/Sec. 2-76 Code of practice for design, installation and maintenance of overhead power lines - installation and maintenance

IS 5613(Part 2/Sec. I-76 -do- design

621.315.2 Cables

AS 1995-77 Welding cables

AS 3116-76 Approval and lists specifications for elastomer insulated electric cables and flexible cables

BS 5468-77 Cross-linked polyethylene insulation of electric cables

BS 5469.-77 Hard ethylene propylene rubber insulation of electric cables

1100 V IS 1554/I-76 PVC insulated electric cables for working voltages upto and including 1100 V

BS 5425/I-77 Coaxial cables for wired distribution systems Part I airspaced and demi-airspaced cables

BS 5467-77 Armoured cables with yjrt,pdryyomh insulation for electricity supply

621.315.3 Insulated wires, interior wiring

AS 3003-76 SAA code for electrical installations in electromedical treatment areas

BS 4737 Part 3/3.I-77 Intruder alarm systems in buildings. Part 3. Requirements for detection devices

DIN 47600 Part I-74 Cast metal joint boxes for power cables up to KV Part I Protective Joint boxes

-do- Part 2 - Internal joint boxes

-do- Part 3 Correlation of joint boxes with paper insulated cables

-do- Part 4 Internal design for paper insulated cables

-do- Part 5 Instalation instructions for paper-insulated cables

-do- Part 6 Correlation of joint boxes with plastic insulated cables

-do- Part 7 Internal design for plastic insulated cables

JIS C 3004-75 Testing methods for rubber insulated wires and cables

IS 5608/3-76 Low frequency wires and cables with PVC insulation and PVC sheath

621.315.5 Conductors

IS 8130-76 Conductors for insulated cables and flexible cords

IS 398/I-76 Aluminium conductors for overhead transmission purposes

JIS C 2532-76 Copper-nickel low resistance wires, ribbons and sheets

JIS C 2523-76 Oxidised copper-nickel resistance wires

JIS C 2522-76 Manggese resistance wires, bars and sheets

621.315.6 Insulation and insulation materials

JIS C 2130-75 Testing method of woven tapes for electrical insulation

SABS 555-76 Insulating oil for transformers and switchgear

BS 5468-77 Cross-linked polyethylene insulation of electric cables

JIS C 2338-75 Presure sensitive polyester adhesive tapes for electrical insulation

SABS 625-76 Bitumen-based filling compounds for electrical purposes

AS 2053-77 Non-metalic conduits and fittings

IS 2667-76 and IS 3419-76 Fittings for rigid steel conduits for electrical wiring

DIN 46288-74 Connecting washers for conductors

621.316 Distribution and control. Switchgear etc.

621.316.5 Switches. Contactors. Circuit breakers

BS 5472-77 Low voltage switchgear and controlgear for industrial use

AS 1431 Parts 2-6/77 Control switching devices for voltage upto 650 V a.c. and250 V d.c.

AS 1306-77 High voltage isolators and earthing switches

AS XXXX 2024 - 77 High voltage fuse/switch combinations and fuse/circuit breaker combinations

SABS 156-77 Moulded-case circuit breakers

621.316.8 Resistors. Rheostats

AS 2065-77 Preferred number series for resistors and capacitors

AS 2066-77 Marking codes for resistors and capacitors

IS 5786/8-76 Fixed resistors Part 8. Resistors type FR 7

IS 5786/7-76 -do- Part 7. Resistor type FR 6

IS 5786/5-76 -do- Part 5. Resistor type FR 4

IS 5786/2-76 -do- Part 2. Resistor type FR 1

621.316.9 Protection (over-current, over-voltage)

AS 2033 - 77 Determination of short-circuit currents in marine alternating current installations

AS 2005-77 Fuses with enclosed fuse-links (up and including 1000 V a.c. and 1500 V d.c.)

AS 2024-77 High voltage fuse/switch combinations and fuse/circuit-breaker combinations

IS 8842/II-76 Application guide for electric relays for d.c. systems

621.317 Measurements. Instruments and indicators

IS 2071/3-76 Methods of high voltage testing Part 3. measuring devices

IS 5173/4-77 Methods of test for hoses part 4. electrical tests

IS 8204-76 Methods for switching impulse tests on high voltage insulators

IS 7962-75 Methods of measurement for piezoelectric vibrators

IS 8011-76 Methods of measurement of freqhency and equivalent resistance of unwanted resonances of filter crystal units

IS 7431/2-76 Tests for magnetic properties of ferrite aerial rods

BS 89-77 Direct acting indicating electrical measuring instruments and their accessories

IS 8197-76 Terminal markings for electrical measuring instruments and their accessories

621.32 Electric lighting equipment. Lamps

AS 2034-77 Electrical equipment for explosive atmospheres flamefproof electric lighting fittings

IS 2206/2-76 Flameproof electric lighting fittings Part 2. Fittings using glass tubes

AS 300I-77 SAA Code for electrical installating of caravans and caravan parks

IS 8224-76 Electric lighting fittings for division 2 areas

62I.35 Applied electrochemistry. Cells. Batteries etc.

SAS 27/I39 6II-76 Lead acid batteries

AS 28/i396 H76 Methods of test for lead acid batteries

IS 208I/I-76 Brass type connectors for automobile batteries

AS I98I-77 Stationary batteries for the lead-acid pasted plate type

AS I902-76 Electroplated coatings of gold and alloys

62I.36 Thermo-electricity. Electric heating

AS I496-77 Special requirements for electrically operated cooking and heating appliances for marine use

SAS I2/I396II-76 Electric fires for household use

SAS I3/I396H-76 -do- Methods of test

SABS 537-76 Oven thermostat for electric stoves

SAS II/I396H-76 Electric water heaters for household use

SI I49-76 Radiating electric fires

SI 69.I-76 Electric water heaters, thermostatically controlled thermally insulated

62I.38 Electronics

BS CECC 90000-77 Harmonized system of quality assessment for electronic components monolithic integrated circuits

BS CECC 25000-77 -do- Inductor and transformer cores for telecommunications

BS CECC 50000-77 -do- Discrete semiconductors devices

BS CECC 45000-77 -do- Space charge controlled tubes

BS 20II Part 2.I N-77 Basic environmental testing procedure. Test M-low air pressure

BS 2011 Part 2. I4-77 -do- Test U. Robustness of terminations and integral mounting devices

BS 2011 Part 2.7 N-77 -do- Test N. Change of temperature

AS 1211/3-77 Reliability of electronic equipment and components

IS 8161/1-76 Guide for equipment reliability testing Part I. Principles and procedures.

IS 6659-76 Electronic grade ceramic materials

AS 1955/1-77 Semi conductor convertors Part I. General

AS 1967-77 Essential ratings and characteristics for integrated circuits

621.39 Telecommunications

BS 5394/1-76 Radio interference limits and measurements for lighting equipment Part I. Luminaires to tubular fluorescent lamps

AS 1127/5-77 Sound system equipment Part 5. Loudspeakers

BS 613-77 Components and filter units for electromagnetic interference suppression

BS 800-77 Radio interference limits for equipment embodying small motors, contacts etc.

BS 5373-77 Electrical safety requirements for room aerials

IS 7416/10-76 Dimensions for TV components Part 10. Conner correction magnet

621.43 Internal combustion engines

ISO 3046/2-77 Reciprocating internal combustion engines : test methods

ISO 4010-77 Road vehicles calibrating nozzle

ISO 4008-77 -do- Fuel injection pumps

ISO 4024-77 -do- Low tension cable connections for ignitions coils

BS 5341/2-77 Piston rings up to 200 mm diameter for reciprocating internal combustion engines

IS 8118-76 Smoke emission levels for diesel vehicles

621.5 Pneumatic energy. machines. Refrigeration. Heat Pumps

ISO 3857/77 Compressors, pneumatic tools and machines

ISO 5390-77 Compressors - classification

IS 8243/I-76 Methods of measurement of performance characteristics of vapour vacum pumps

ISO 32-77 Gas cylinders for medical use

62I.6 Fluid distribution. Storage containers. Pipes. Pumps

ISO 402I-77 Hydraulic fluid power-particulate contamination analysis

SABS 087/2-77 Code of practice for the handling, storage and distribution of LPG Part 2- Installations in mobile units and small non- permanent buildings

SABS 087/3-75 -do- Part 3- Bulk LPG storage and allied facilities at consumers premises

SABS 087/8-76 -do- Part 8 - The fuelling of fork lift trucks and other LPG operated vehicles

SABS 0I3I/I-77 The storage and handling of liquid fuel Part I. Small consumer installations

62I.642 Containers. Receivers. Tanks, Cylinders

BS 5276/4-77 Pressure vessel details. Part 4. Standardized pressure vessels

AS I2IO-77 SAA unfired pressure vessel code

AS 2030-77 SAA gas culinders code

IS 8I98/3-76 Code of practice for steel cylinders, Part 3. high presure liquefiable gas

IS 8I98/I-76 -do- Part I. Atmospheric gases
IS 8I98/2-76 -do- Part 2. Hydrogen gaas

IS 8I98/4-76 -do- Part 4. Dissolved acetylene gas

IS 8I98/5-76 -do- Part 5. LPG

BS 344I-77 Tanks for the transport of milk and milk products

IS 2827-76 Methods for calibration of pressurized storage tanks

62I.643 Conduits, Pipes, Joints, fittings

BS 4I23-77 Ah identification scheme for pipelines

AS 204I-2042-77 Corrugated steel pipes, pipe-arches and arches
BS 548I-77 Unplasticized PVC pipe and fittings for gravity sewers

ISO 3995 -77 Plastic products - hose of polymer reinforced thermoplastics for suction and discharge

SAS I5/I396 H-76 Methods of testing of pipes for potable water of unplasticised plastics

SAS I4/I396 H-76 Pipes for potable water of unplasticized plastic

SAS 5/I396H-76 Asbestos cement pressure pipes and their joints

SAS 6/I396 H-76 Methods of testing asbestos cement pipes

AS 20I8-77 SAA Liquid petroleum pipeline code

62I.643.2 Closed conduits. Pipes

IS 8329-77 Centrifugally cast ductile iron pressure pipes for water, gas and sewage

IS 7092/I-76 Aluminium alloy tube for irrigation purposes part I. Welded tube

BS 5480/I-77 Glass fibre reinforced pipes and fittings for use for water supply or drainage

IS 578-76 Rubber water hoses

SABS 746-76 Glass fibre reinforced pipes and fittings for use for water supply or drainage

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ISO II29-77 Boiler tubes - dimensions, tolerances

ISO 5252-77 Steel tubes - tolerances systems

ISO II27-77 Stainless steel tubes - dimensions, tolerances

ISO 3607-77 Polyethylene (PE) pipes - tolerance on outside diameters and wall thicknesses

ISO 3473-77 UPVC Pipes - effect of sulphuric acid

62I,643.3 Flexible pipes. Hose pipes

ISO 382I-77 Welding - flexible hoses for gas welding

BS 3I58-77 Aircraft ground fuelling hose and hose assemblies

II4I-77 Aircraft fuelling hose (SABS II4I-77)

ISO 4023-77 Rubber products - hoses for steam- methods of test

BS 5I73/4-77 Methods of test for hoses part 4. Electrical

BS 5I73/6-77 -do- Part 6. Environmental tests

BS 5I73/5-77 - do- Part 5 Chemical resistence tests

62I.643.4 Connections, joints, fittings, flanges

ISO 50-77 Metal pipes ; steel sockets

AS I590-77 Copper alloy threaded pipe fittings for use with rubber tubes

DIN 3202/3-75 Overall lengths of armatures- wafer type

ISO 4484-77 UPVC Adaptors fittings for pipes under pressure

JIS B 22I7-76 Basic dimensions of 6$ kg p/cm^2 steel flanges

JIS B 22QI-76 2IO kg p/cm^2 slip-on welding pipe flanges for hydraulic use

DIN 2532, 2533-76 Cast iron flanges-nominal pressure IO

JIS B 2225-76 30kgf/cm^2 slip-on welding steel pipe flanges

62I.646 Closures, regulating and safety valves

ISO 52II/I-77 Part-turn actuater attachments
ISO 52IO/I-77 Multi-turn valve actuator attachment.

DIN 3202/3-75 Overall lengths of armatures

ISO 5204-77 General purpose industrial valves-marking

BS 5I5O-77 Flanged steel globe valves. globe stop and check valves

AS I628-77 Copper alloy gate valve and non-return valves

BS MA 68/8-77 General purpose and petroleum industry valves

IS 7326/3-76 Penstock and turbine inlet butterlly valves

SABS I98-76 Functional control and safety valves for pressurized hot and cold water supply systems

SABS 226-76 Water taps

JIS B 83I9-76 Small size multi-stage centtifugal pumps

62I.7 Workshop practice

62I.74 Foundries. Foundry work

SABS 25/26-77 Zinc alloy ingots for die-castings and zinc alloy die- castings

IS 8246-76 Liquid resins for use in shell process in foundrics

621.791 Welding and allied techniques

BS DD 54/I-77 Methods for the sampling and analysis of fume from welding and allied processes

ISO 3879-77 Welded joints - recommended practice for liquid penetrent testing

DIN I9I0/I-74 Welding definitions

AS I966-76 Electric are welding machines

JIS B 590I-76 Torch lamps

ISO 382I-77 Welding flexible hoses for gas welding and allied processes

ISO 3690-77 Welding determination of hydrogen in deposited weld metal airising from the use of covered electrodes

JIS G 43I6-75 Stainless steel wire rods for welding

JIS Z 32I2-76 Covered electrodes for high tensile strength steel

IS 4260-76 Recommended practice for ultrasonic testing of welds in ferritic steel

JIS Z 3I5I-76 Method of tension test for front fillet welded joint

JIS Z 3I32-76 Method of shear test for side fillet selded joint

JIS Z 3I36-76 Method fo tension shear test for spot welded joint

JIS Z 3I93-76 Method of tension test for brazed joint

HUS Z 3283-76 Rosin flux cored solders

BS I845-77 Filler materials for brazing

JIS Z 320I-76 Gas welding rods for wild steel

621.798 Packing and dispatch. Packaging

621.798.I2 Cases, boxes, crates, pallets

SI 955-76 Polyolefin crates for repeated use

AS 2068-77 Flat pallets for material handling

NZS 54I3-77 Stock crates

IS I0/I-76 Plywood tea-chests

SABS 984-76 Corrugated board containers for the export of applies

SABS 933-76 Corrugated board containers for the export of citrus fuits

621.798.I4 Drums, cans, tubes, jars etc.

IS 8II3-76 Primary cartons for packaging butter

ISO 90-77 Hermetically sealed metal cans for food and drinks

BS 4602-77 The use of metric units in specifications for glass containers and finishes

62I.798.I5 Sacks, bags, envelopes, wrappers

IS 8II5-76 Double hessain jute bags for pesticides

BS I3I4-77 Hessian sand bags and rot-proof hessain bags

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62I.8 Power transmission. materials handling. mechanical fixing attachments

62I.822 Bearings. axle boxes. bushings

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USI 228-77 -do- bearings with sperical cutside surface and extended inner ring with
NS 55I2/I-77 -do- Dynamic load ratings and rating life calculation methods

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DIN 748/3-76 Cylindrical shaft ends for electrical machines
IS 8I73-76 Propeller shafts for small craft

DIN 5480 -74 Involute splines

62I.83 Gears. Cams. Links, Ratchets. Clutches

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BS 25I8/2-77 Rotary form relieved gear cutters
DIN 867-74 Basic rack of cylindrical gears with involute teeth for general and heavy engineering

ISO 54-77 Cylindrical gears

JIS B I40I-76 Mechanical multiple disc clutches

621.85 Flexible transmissions and drives

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IS 529-76 Solid woven impregnated cotton belting for power transmission

IS 530-76 Solid woven impregnated hair belting

IS 2241-76 Round leather belting for small machines.

ISO 3410-76 Endless variable-speed V belts for agricultural machinery

IS 1370-76 Friction surface rubber transmission belting

DIN 2218-76), (DIN 2215-76) Endless V-belts for mechanical engineering

AS 1916-77 Endless wedge belt drives

ISO 5287-78 Narrow V-belt drives

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IS 8005-76 Classification of unit loads

JIS F 2020-76 Small size steel plate deck-end rollers

JIS F 2019-76 Small size cast iron deck-end rollers

JIS F 2019-76 Small size cast iron deck-end rollers

IS 4164-76 Lifting 'C' hooks with eye

DIN 689-75 Eye hooks

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AS 2089-77 Sheave blocks of maximum lift 60 tons

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ISO 5041-77 Crate carrying chain conveyors

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DIN 536/2-74 Crane rails - Type F (Flat)

AS 1418/1-77 SAA Crane code - Part I. General requirements

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AS 1418/7-77 -do- Part 7. Builders hoists

BS 2573/1-77 Permissible stresses in cranes and design rules

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JIS B 8806-76 Cast steel travelling wheels for electric travelling cranes

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AS 1979-76 Flexible travelling cables for electric lifts

BS PAS 20-74 General purpose passenger lifts

621.879 Bovels. Excavators. Dredgers

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BS 3673/4-77 Carbon steel circlips

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IS 8235-76 Hand tools-guide for safety

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current science bulletin

SRI LANKA SCIENTIFIC & TECHNICAL INFORMATION CENTRE

VOL. II NO. 4

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NATIONAL SCIENCE COUNCIL OF SRI LANKA
47/5, MAITLAND PLACE, COLOMBO 7, SRI LANKA

CURRENT SCIENCE BULLETIN

As an attempt at meeting the information requirements of Scientists, Research Workers and Libraries, SLSTIC with the cooperation of a group of libraries, has drawn up a scheme for compiling a Union Catalogue of Scientific and Technical Publications. The libraries which participate in this scheme send catalogue cards of their new acquisitions for the Union Catalogue which is housed at the SLSTIC.

This issue records, under broad subject headings, the information received buy the SLSTIC during October/December I978 for the Union Catalogue which is arranged alphabetically by Author; the subject headings related to Natural and Applied Sciences are arranged by UDC and those related to Science Policy by the SPINES Classification Scheme. (Science and Technology Policies Information Exchange System) Hence, this would serve as a subject guide to the Union Catalogue. Based on the current information received we intend to publish this bulletin quarterly. A list of Overseas Standards received by the Bureau of Ceylon Standards during the period October/December I978 is given in the Bulletin as an appendix.

It is expected that the Current Scdience Bulletin would help a library to develop awareness of current holdings of other libraries so that it would modify, if necessary, acquisition policy. Further it would facilitate promotion of inter-library loan schemes.

PARTICIPATING LIBRARIES

ARTI	Agricultural Research & Training Institute, II4? Wijerama Mawatha, Colombo 7.
BC(C)	British Council (Colombo), I54, Galle Road, Colombo 3 Tel. 2338I, 23382
BC(K)	British Council (Kandy), Dalada Veediya, Kandy Tel. 08/3I40
BCS	Bureau of Ceylon Standards, 53, Dharmapala Mawatha, Colombo 3. Tel.2605I
CEB	Ceylon Electricity Board, 50, Sir Chittampalam A Gardinar Mawatha, Colombo 2. Tel. 2447I
CISIR	Ceylon Institute of Scientific & Industrial Research 363, Bauddhaloka Mawatha, Colombo 7. Tel. 93807
CPC	Colombo Port Commission Technical Library, Port Commission, Colombo I. Tel. 2I20I
CRI	Coconut Research Institute, Bandirippuwa Estate, Lunuwila. Tel. 95 Dankotuwa.
CSC	Ceylon Steel Corporation, Aturugiriya Tel. 079/2II-2I3(29447-8)
CTB	Ceylon Transport Board, Engi. Div., Werahera. Tel. 8II2I
CTC	Ceylon Technical College, Colombo IO. Tel.24I76
IDB	Industrial Development Board, 6I5, Galle Road, Katubedde, Moratuwa. Tel. 072/232
NIM	National Institute of Management, I20/5, Wijerama Mawatha, Colombo 7.
NML	Dept. of National Museums, Albert Crescent, Colombo 7 Tel. 933I4
NSC	National Science Council of Sri Lanka, 47/5, Maitland Place, Colombo 7. Tel. 9677I-3
RRI	Rubber Research Institute, Dartonfield, Agalawatte. Tel. 26 Agalawatte.
SEC	State Engineering Corporation, I30, WAD Ramanayake Mawatha, Colombo 2. Tel. 2I26I, 202II
SLML	Sri Lanka Medical Library, 6, Wijerama Mawatha, Colombo 7. Tel. 9I420
SLTyC	Sri Lanka Tyre Corporation, Dalugama, Kelaniya
UC	University of Colombo, Colombo 3. Tel. 86432
UCM	University of Colombo, Medical Library, Faculty of Medicine, Kynsey Rd., Colombo 8. Tel. 92068
UJ	University of Jaffna, Thirunelwely. Tel.48I, 7592-4 Jaffna.
UM	University of Moratuwa, Katubedde Moratuwa. Tel.072/301, 534
UP	University of Peradeniya, Peradeniya. Tel.08/8301
TTC	Telecommunication Training Centre, Horetuduwa, Moratuwa.
WSDB	Water Supply & Drainage Board, Ratmalana. Tel. 07I/367, 3I6, 528

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