

Circular No. 1993/21.

My No. SC/3/5/Pur
Science Branch,
Ministry of Education & Higher
Education & Cultural Affairs.
'Isurupaya'
Battaramulla.

15.10.1993.

To All Provincial Secretaries of Education

**PROCUREMENT & DISTRIBUTION OF SCIENCE EQUIPMENT
AND CHEMICALS FOR GOVERNMENT SCHOOLS**

According to Item 22 of Appendix III of List 1 (Provincial Councils List) of the Amendment to the Constitution "Procuring and Distribution of Science Equipment, other than certain specified items indicated by the Ministry" is a provincial function.

The procedure to be followed by you in this respect is given below:-

1.0 PROCUREMENT OF SCIENCE EQUIPMENT AND CHEMICALS

- 1.1 Procurement of Science Equipment and Chemicals other than certain specified items indicated by this Ministry, should hence forth be done by. Funds for this purpose should be obtained from the block -allocationsent to you by the Ministry of Provincial Councils and Home Affairs.
- 1.2 The National Institute of Education has specified the Science Equipment and Chemicals to be supplied to Government Schools. These Equipment and Chemicals are given under the following two lists.
 - (a) The Standard List of Science Equipment Requirements for years 6 to 13. (Annexure 1); and
 - (b) The standard list of Science Equipment Requirements for years 4 and 5 (Annexure 2.)
- 1.3 The list of "specified items of science equipment and chemicals indicated by this Ministry" is given under Annexure 3. This list will be revised as and when necessary.
- 1.4 The procurement and distribution of all items of science equipment and chemicals given in Annexure 1 and 2, other than those items of science equipment and chemicals specified by the Ministry is your sole responsibility.
- 1.5 The science equipment and chemicals thus procured by you shall conform to the specifications laid down by the National Institute of Education. These specifications are given in Annexures 2 and 4.
- 1.6 The quantity to be supplied in respect of each equipment given in the lists of Annexures 1 and 2 is the quantity required for a class of 30 students. In the case of demonstration

equipment the quantity indicated to be supplied is the quantity meant for the whole school. The quantity indicated to be supplied in the case of each chemical is the quantity needed for a class of 30 students for a period of 5 years.

- 1.7 You should obtain the recommendation of the co-ordinating secretary of your Provincial Science- Mathematics Steering Committee in respect of items of Science Equipment and Chemicals and the relevant quantities to be procured for each year.

Further, you should obtain a certificate from the co-ordinating Secretary of the Provincial Science-Mathematics Steering Committee to the effect that the items of Science Equipment and chemicals to be thus procured:

- I. are only those listed in the "Standard List of Science Equipment Requirements" (Annexures 1 & 2) approved by the National Institute of Education.
- II. Conform to specification laid down in Annexures 2 and 4 of this circular and
- III. are not included in the "Specified List of Science Equipment and Chemicals" to be procured by this Ministry as given in Annexure 3.

- 1.8 At the end of each year, please submit a list of Science Equipment and Chemicals procured by you for that particular year, along with prices paid per item, to the Science Branch of this Ministry. This information is required for revising the list of specified items to be procured by this Ministry.

- 1.9 If you intend to recommend any amendment in respect of Annexures 1,2&4 please inform such amendments to the Science Branch of this Ministry, addition and deletion of items of Science Equipment and Chemicals to and from Annexures 1 & 2

Changes to be made in specifications given in Annexures 2 & 4 are examples of such amendments. In recommending amendments please give reasons for same.

2.0 DISTRIBUTION OF SCIENCE EQUIPMENTS

Distribution of Science Equipment and Chemicals will henceforth be your responsibility. Science Equipment and Chemicals procured by this Ministry, too, will be sent to you for distribution.

Here after Science equipment and Chemicals will NOT be issued from the Central Science Store of this Ministry, direct to schools.

3.0 SUPPLY OF SCIENCE EQUIPMENT TO NATIONAL SCHOOLS

Separate instructions will be issued, regarding the supply of Science Equipment and Chemicals to National Schools. However, only those items of Science Equipment and Chemicals listed in Annexures 1 & 2 and conforming to specifications given in Annexure 4 shall be supplied to National Schools.

4.0 ESTABLISHMENT OF PROVINCIAL SCIENCE STORES

In order to perform the functions detailed under 1.0 and 2.0 above, you are expected to establish Provincial Science Stores. Instructions to this effect have already been sent to you by my Circular No. 1990/4, bearing No. Sc 1/AP dated 11.01.1990. Please see section 7 therein. Schools shall not be used a provincial Science Stores.

SUPPLY OF MINI-LABS

Science Equipment is supplied to schools through supply of Minilabs too. It is expected that funds for the supply of Minilabs would be obtained from alternative sources such as philanthropists, foreign aid, funds allocated to Hon. Members of Parliament from Decentralized Budget, and funds generated by the provincial councils.

SUPPLY OF SCIENCE EQUIPMENT THROUGH VARIOUS ORGANIZATIONS, PROJECTS, ETC.

Various Government and Non Governmental Organizations, Projects etc. also supply science equipment and chemicals to Government schools. In such instances, please ensure that only Science Equipment and Chemicals conforming to specifications given in Annexure 4 and listed in Annexures 1 & 2 are thus supplied.

The Circulars No. 1990/13 and 1990/10 issued by me previously in respect of procurement and distribution of Science Equipment and Chemicals are hereby cancelled.



N. V. K.K. Weragoda,
Secretary,
Education, Higher Education and
Cultural Affairs.

Copies:

1. Chief Secretaries of Provincial Councils
2. Provincial Directors of Education
3. Co-ordinating Secretaries of Provincial Science Mathematics Steering Committees.
4. Deputy/ Assistant Directors of Education (Science)
5. Chief Accountant, Ministry of Education, Higher Education and Cultural Affairs.
6. Accountant - Internal Audit. -do-
7. Auditor General.

**MINISTRY OF EDUCATION, HIGHER EDUCATION
AND CULTURAL AFFAIRS**

**LIST OF SPECIFIED ITEMS OF SCIENCE EQUIPMENT
AND CHEMICALS TO BE PROCURED BY THE LINE MINISTRY
(effective from 1994)**

(I) PERMANENT EQUIPMENT

01. Accumulator - Lead/ Acid
02. Amplifier - dual range
03. Balance - Four beam
04. Charts - Human Anatomy
05. Current balance
06. DNA model
07. Electro Magnetic Induction App.
08. Geiger Counter
09. Hall's Effect App.
10. House - wiring Demonstration unit
11. Kundt's tube
12. Linear Expansion App.
13. Melde's Apparatus
14. Microphone - multipurpose
15. Microscope - projection
16. Microscope - vernier
17. Optical Bench
18. Oscilloscope
19. Oven - electric
20. PH meter
21. Piezo Electric Apparatus
22. Radio Active Sources
23. Rotating Platform
24. Signal Generator
25. Skeleton - Human (Replica)
26. Spectrometer
27. Telescope/Microscope Mount
28. Thermocouple
29. Thermopile
30. Wave Equipment 2.8 c.m.

(II) GLASSWARE

01. Burette (Rotafloe type)
02. Cathode Ray Tube (maltese cross)
03. Cathode Ray Tube (Fluorescent screen)
04. Cathode Ray Tube (Paddle wheel)

(III) PERISHABLES

NONE

(IV) CHEMICALS

01. Acetone
02. Aluminium Powder
03. Ammonium dichromate
04. Ammonium nitrate
05. Ammonium nitrite
06. Ammonia solution
07. Bromine
08. Chloroform
09. Di-ethyl Ether
10. Ethyl Alcohol (Ethanol)
11. Hydrochloric Acid
12. Mercury - metal
13. Nitric acid
14. Petroleum spirit
15. Potassium chlorate
16. Potassium nitrate
17. Sodium arsenate
18. Sodium metal
19. Sodium nitrate
20. Sulphuric acid