

3. Minutes of Discussions

3-1. The Basic Design Study (February 27, 1989 Signed)

3-2. The Draft Final Report of the Basic Design Study
(July 17, 1989 Signed)

3-1. The Basic Design Study

MINUTES OF DISCUSSIONS
ON
THE PROJECT
FOR
ESTABLISHING THE NATIONAL INSTITUTE OF EDUCATION
IN
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

In response to the request of the Government of the Democratic Socialist Republic of Sri Lanka, the Government of Japan decided to conduct a basic design study on the Project for the development of the National Institute of Education and entrusted the study to the Japan International Cooperation Agency (JICA). JICA sent to the Democratic Socialist Republic of Sri Lanka the Study Team headed by Mr. Noriaki Sagara, Deputy Director of Overall Planning and Co-ordination, National Institute for Educational Research, Ministry of Education, Science and Culture from February 18 to March 9, 1989.

The Team had a series of discussions on the Project with the officials concerned of the Government of the Democratic Socialist Republic of Sri Lanka headed by Mr. Walter Laduwahetty, Secretary, Ministry of Education, Cultural Affairs and Information, and conducted field surveys.

As a result of the study, both parties agreed to recommend to their respective Governments that the major points of understanding reached between them, as attached herewith, should be examined towards the realization of the Project.

Colombo, February 27, 1989.



NORIAKI SAGARA
Leader,
Basic Design Study Team,
Japan International Cooperation
Agency.
JAPAN.



WALTER LADUWAHETTY
Secretary,
Ministry of Education,
Cultural Affairs and
Information,
SRI LANKA.

A T T A C H M E N T

1. Objective of the Project:

The objective of the Project is to construct the facilities and to supply the educational equipment for the activities of the National Institute of Education (NIE) of Sri Lanka.

2. Organisations:

Responsible Organisation :
Ministry of Education, Cultural Affairs and Information.

Executing Organisation :
National Institute of Education.

3. Project Site:

The Government of Sri Lanka will provide with the necessary land area for the Project on the Maharagama Campus of NIE, which is shown in the Annex I.

4. The Requested Items for the Project:

The outline of facilities and equipment to be provided under this Project is as follows :

(1) Facilities:

A building complex for the NIE, of which details are shown in the Annex II. A total volume of the space of those facilities will be determined in due course.

In addition, the Government of Sri Lanka expressed its desire that the Project would also include the training facilities for the Programme 2. (Curriculum Design and Development).

(2) Equipment:

Such equipment related to research and training activities of NIE.

5. Japan's Grant Aid System:

The Government of Sri Lanka has understood the system of Japan's Grant Aid explained by the Team, which includes a principle of the use of a Japanese consultant and Japanese firms for the execution of the Project.

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6. Measures to be taken by the Government of Sri Lanka:

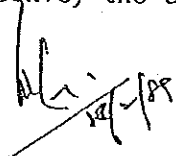
The Government of Sri Lanka will take the necessary measures as listed in Annex III, on condition that the Grant Aid by the Government of Japan is extended to the Project.

7. Budget and Personnel:

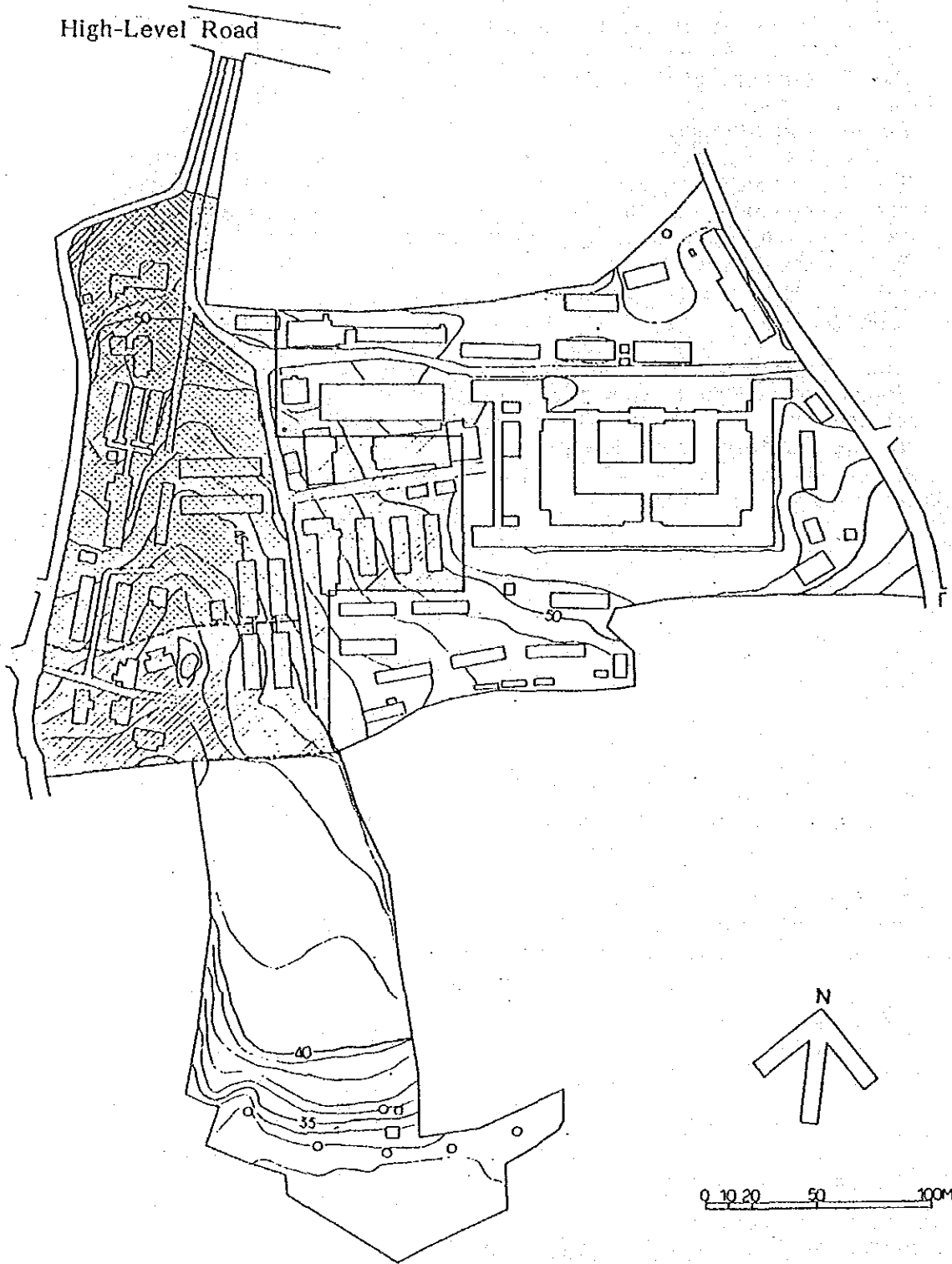
The Government of Sri Lanka will assure the necessary budget and personnel for the operation and maintenance of the facilities and equipment provided, on condition that the Grant Aid by the Government of Japan is extended to the Project.

8. Others:

The Government of Sri Lanka requests the Government of Japan to conduct technical co-operation for the activities of the NIE. The Team will convey the above mentioned request to the Government of Japan.



ANNEX I



Project site



Additional site proposed
by the Government of Sri Lanka,
in case of necessity

NATIONAL INSTITUTE OF EDUCATION, MAHARAGAMA

ANNEX II

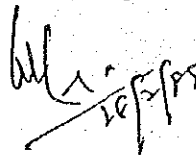
The facilities to be constructed under this Project will accommodate all or a part of the following NIE institutions :

1. Programme 1. (Professional Development of Educational Personnel)
 - (a) Staff College for Educational Administration.
 - (b) Institute of Distance Education.
 - (c) Institute of Teacher Education (including Special Education Resource Centre).
2. Programme 3. (Educational Technology)
 - (a) Library and Documentation.
 - (b) Computer Education.
 - (c) Audio-Visual Media Centre.
 - (d) Publications.
3. NIE Headquarters (Management and Co-ordination)
 - (a) Offices of the Director-General and the Deputy Director-General.
 - (b) Secretarial and General Services.
 - (c) Planning.
 - (d) Research.
4. Other Related Facilities including :
 - (a) Training rooms.
 - (b) Seminar rooms.
 - (c) Multi-purpose lecture hall, etc.

A N N E X III

Necessary measures to be taken by the Government of Sri Lanka.

1. * To clear level and reclaim the site.
2. * To construct retaining walls and fences around the site.
3. * To improve access road to the site.
4. * To divert the existing in-site ditch and to improve the existing drainage system around the site.
5. * To provide facilities for the distribution of electricity, water supply and other incidental facilities.
 - (a) Power distribution line to the site.
 - (b) Water supply (deep wells).
 - (c) Telephone trunk line.
6. * To secure building permit and to bear its fees.
7. To provide the following upon completion of the facilities:
 - (a) Landscaping.
 - (b) Exterior lightening.
 - (c) General furniture (carpets, curtains, tables, chairs and others).
8. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the B/A.
 - (a) Advising commission of A/P.
 - (b) Payment commission.
9. To ensure tax exemption and customs clearance of the products at the port of disembarkation.
10. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contracts such facilities as may be necessary for their entry into Sri Lanka and stay therein for the performance of their work.
11. To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in Sri Lanka with respect to the supply of the products and services under the verified contracts.



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12. To maintain and use properly and effectively the facilities constructed and equipment under the verified contracts.
13. To bear all the expenses other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment.
14. To bear all the expenses necessary for relocation of the existing equipment to be used in the new facilities.

Note : Items marked with (*) should be completed before the start of construction of the facilities.

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3-2. The Draft Final Report of the Basic Design Study

MINUTES OF DISCUSSIONS
ON
THE PROJECT
FOR
EXPANDING THE NATIONAL INSTITUTE OF EDUCATION
IN
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

In response to the request of the Government of the Democratic Socialist Republic of Sri Lanka, the Government of Japan decided to conduct a basic design study on the Project for expanding the National Institute of Education (hereinafter referred to as "the Project") and the Japan International Cooperation Agency (JICA) sent to the Democratic Socialist Republic of Sri Lanka a Basic Design Study Team headed by Mr. Noriaki Sagara, Deputy Director of Overall Planning and Co-ordination, National Institute for Educational Research, Ministry of Education, Science and Culture from February 18 to March 9, 1989.

As a result of the study, JICA prepared a Draft Final Report and dispatched a team headed by Mr. Shigeo Miyamoto, Director, Dept. of Overall Planning and Co-ordination, National Institute for Educational Research, Ministry of Education, Science and Culture to explain and discuss the report with relevant officials of the Government of Sri Lanka from June 9th to 13th, 1989.

Both parties had a series of discussions on the Draft Final Report and agreed to recommend to their respective Governments that the major points of understanding reached between them, attached herewith, should be examined towards the realization of the Project.

Colombo, July 17th, 1989

Hideo Yasuki

H. Yasuki - Resident Representative
Japan International Cooperation Agency
Sri Lanka Office

for Shigeo Miyamoto
Leader, Basic Design Study Team,
Japan International Cooperation Agency
Japan

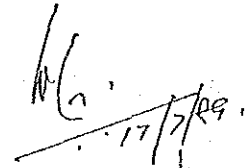
Walter Laduwahetty

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Walter Laduwahetty
Secretary,
Ministry of Education,
Cultural Affairs and Information,
Sri Lanka

ATTACHMENT

1. The Sri Lanka side agreed in principle on the basic design proposed in the Draft Final Report.
2. Taking the actual conditions into account, both parties agreed that the Project title be as follows: Project for Expanding the National Institute of Education in the Democratic Socialist Republic of Sri Lanka.
3. The Sri Lanka side has understood Japan's grant aid system and reconfirmed that necessary measures which are listed in Annex 111 of the Minutes of Discussions on the Project signed on February 27, 1989, will be taken by the Sri Lanka side on condition that the grant aid by the Government of Japan is extended to the project.
4. The Sri Lanka side ensured that the necessary budget and the adequate number of personnel for the proper and effective operation and maintenance of the NIE facilities and equipment provided under the Project would be secured.
5. The Final Report(10 copies in English) will be submitted to the Sri Lanka side at the beginning of August, 1989.



17/7/89

4. Proposed Equipment List for Basic Design

[Phase 1]

- I . Institute of Teacher Education
- II . Library and Documentation
- III . Publication
- IV . Others

[Phase 2]

- I . Computer Educaiton
- II . Audio Visual Media Centre
- III . Scientific Experimental Apparatus
- IV . Technical & Homemaking Apparatus
- V . Others

[Phase 1]

I . Institute of Teacher Education

Item	Q'ty
[Infant Audiometry Apparatus]	
1. Infant Audiometry Apparatus	1
2. Audiotory Trainer	1
3. Group Hearing Aid	1
4. Hearing Aid (OSPL)	10
5. Hearing Aid (SSPL)	10
6. Audiometer w/Speaker	1
7. Audiometer	1
8. Impedance Audiometer	1
9. Precision Sound Level Meter System	1
10. Desk for Test	2
11. Chair for Test	3
12. Video Tape Recorder	1
13. Monitor TV	1
14. Stand for Monitor TV	1

Item	Q"ty
[Eye Sight Testing Apparatus]	
1. Eye Examination Lens Sets	1
2. Eye-Test Chart	1
3. Perimeter	1
4. Lens Meter (Automatic)	1
5. Weak Sight Trial Set Ceprer Type	1
6. Weak Sight Lens Trial Set Garireo Type	1
7. Weak Sight Lens Trial Set Long Focus Type	1
8. Weak Sight Ocellus Trial Set	1
9. Vision Scanner with Monitor	1
10. Single Eye-Test Chart	1
11. Magnifier Ocellus Glass and Opera Glass	1
12. Automatic Refractometer	1
13. Braille Copier	1
14. Perkins Brailier (Manual Type)	3
15. Perkins Brailier (Electric Type)	2
16. Video Tape Recorder	1
17. Monitor TV	1
18. Stand for Monitor TV	1

Item	Q"ty
[Observing Video System]	
1. Observation Camera	1
2. Control Unit for Camera	1
3. Zoom Lens	1

Item	Q"ty
4. Swivel Bracket for Camera	1
5. Remote Controller	1
6. Color TV Camera	1
7. Portable Video Tape Recorder	1
8. AC Adaptor	1
9. Battery Pack	5
10. Carrying Case	1
11. Remote Controller	1
12. Camera Cable	2
13. Tripod w/Dolly	1
14. Tripod w/Dolly for Low Position	1
15. VTR Cable	1
16. Control Desk	1
17. B/W Monitor TV	2
18. Color Monitor TV	2
19. Video Tape Recorder	1
20. Remote Controller	1
21. Control Panel	2
22. Video Effect Generator	1

II. Library and Documentation

Item	Q"ty
1. Video Tape Recorder	6
2. Monitor TV	6
3. Portable Slide Projector	6
4. Photo Copier Machine with Spare Parts and Accessories	1

III. Publication

Item	Q'ty
[Printing Room]	
1. Collating + Wire-stitching Machine	1
2. Paper Folding Machine	1
3. Adhesive Bookbinding Machine	1
4. Paper Guillotine Cutter	1
5. Hand Cart	2
6. Consumable Materials for One Year Operation	1
7. Printing Tools	1

Item	Q'ty
[Process & Copy Room]	
1. Printing Frame	1
2. Plate Processor	1
3. Blue Print Copier	1
4. Photo Copier	2
5. Stencil Scanner	2
6. Stencil Duplicator	3
7. Consumable Materials for One Year Operation	1

Item	Q'ty
[Dark Room]	
1. Process Camera	1
2. Auto Film Processor	1
3. Consumable Materials for One Year Operation	1
4. Sink (Stainless Steel)	1
5. Work Table (Stainless Steel)	1

Item	Q'ty
[Layout Room]	
1. Word Processor	3
2. Laser Printer	1
3. Layout Table	2
4. Drafting Machine	2
5. Desk for Computer	4
6. Chair for Computer	3
7. Chair for Layout Table	2
8. Consumable Materials for Word Processor	1

IV. Others

Item	Q'ty
1. Installation Material and Tools	1

[Phase 2]

I. Computer Education

Item	Q'ty
[Computer Training Room]	
1. Computer Unit for Teacher	1
2. Computer Unit	16
3. Wire Collection System	2
4. Interface for Image Signal	1
5. Scanning Video Projector (Ceiling Type)	1
6. Controller for Video Projector	1
7. Overhead Projector with Std. Stage Size	1
8. Screen	2
9. Computer Desk	17
10. Computer Chair	33

Item	Q'ty
[Software Development Room]	
1. Computer	4
2. Computer Desk	4
3. Chair	4
4. Operation Soft	4
5. Printer Selector	2
6. Software for CAI Development	4
7. Printer with Desk	2

II. Audio Visual Media Centre

Item	Q'ty
[Studio Equipment]	
A. Studio Control Room	
1. 3-CCD Colour Camera	2
2. X15 Zoom Lens	2
3. Lens Cable Kit	2
4. 4.5" Viewfinder	2
5. Tripod Adapter	2
6. Remote Control Box	2
7. Remote Operation Unit	3
8. Camera Cable, 15m	3
9. Pedestal Dolly	2
10. Cam Head	2
11. Headset	3
12. 10" Colour Monitor	8
13. 20" Colour Monitor	2
14. 21" Colour Monitor	1
15. 15" Colour Monitor	4
16. Vectorscope	1
17. Waveform Monitor	1
18. 9" B/W Monitor	1
19. 3/4" U-VCR/W. TCGR	2
20. 3/4" U-VCR/W. TCGR	1
21. Editing Controller	1
22. VTR Interface Unit	1
23. 45-pin Control Cable	1
24. 9-pin Control Cable	3
25. Time Base Collector	2

Item	Q'ty
26. Video Switcher	1
27. RGB Chroma Keyer	1
28. Delay Unit	1
29. B/W Camera	1
30. Manual Zoom Lens	1
31. Close-up Lens	1
32. Telop Stand	1
33. Telop Table	1
34. Video Typewriter	1
35. 9" B/W Monitor	1
36. 15" Colour Monitor	1
37. Sync Generator Main Unit	1
38. Module Extender	1
39. Video Distribution Amp. Unit	4
40. Pluse Distribution Amp. Unit	1
41. 16-ch Audio Mixer	1
42. Cassette Recorder	1
43. Open Reel Tape Recorder	2
44. Synchronizer	1
45. Synchronizer Control Unit	1
46. Turn Table	1
47. Studio Speaker	4
48. Power Amp. (stereo)	2
49. Condenser Microphone	2
50. Condenser Microphone	2
51. Dynamic Microphone	2
52. Tie-pin Type Microphone	2
53. Table Top Microphone Stand	2
54. Floor Microphone Stand	2

Item	Q'ty
55. Boom Stand	1
56. Head Phone	2
57. Video Jack Panel	2
58. Video Patch Cord	5
59. Audio Jack Panel	2
60. Audio Patch Cord	5
61. Termination Plug	5
62. Open Load Plug	5
63. Studio Wall Connector Panel (camera)	1
64. Studio Wall Connector Panel (Microphone)	1
65. Tally Relay Unit	1
66. Intercom Unit	1
67. On-Air Tally Lamp for Monitor	10
68. Delay Unit	1
69. Studio Monitor Stand	1
70. Caught Key Box	1
71. Control Console	1
72. Monitor Rack	1
73. Equipment Rack	2
74. Que Lamp System	1
75. Master VCR 3/4" U-VCR for Dubbing	1
76. 1/2" VHS Slave VCR	10
77. Dubbing Controller	1
78. Time Base Collector	1
79. Audio/Video Distributor	1
80. 10" Colour Monitor	2
81. Auto Code Switcher	1

Item	Q'ty
82. Equipment Rack	2
83. 1/2" S-VHS VCR for Editing	1
84. 1/2" S-VHS Editing VCR for Source	1
85. Editing Controller	1
86. 15" Colour Monitor	2
87. Time Base Collector	1
88. Editing Console	1
89. ENG Camera, Camera Head	1
90. 1.5" Viewfinder	2
91. ×15 Zoom Lens	2
92. Tripod Adapter	1
93. Battery Pack	2
94. Battery Adapter	2
95. Battery Charger	2
96. Microphone with Holder	2
97. VTR Cable	2
98. Tripod with Dolly	2
99. Carrying Case	2
100. 3/4" Portable U-VCR	2
101. Time Code Generator	2
102. Battery Pack	8
103. Battery Charger	2
104. Portable Lighting Kit	2
105. S-VHS Movie	3
106. Portable Lighting Kit	3
107. VTR Tape	1
108. Chair for Studio Room	5

Item	Q'ty
B. Studio Lighting Equipment	
1. Wall Mounted Dimmer	1
2. Controller	1
3. Fixed Rail	4
4. Transfer Rail	4
5. Fixing Metal for Rail	16
6. Transfer Roller	12
7. Roller Hanger 5/8"	30
8. Roller Hanger 1-1/8"	2
9. Cable Roller	32
10. Pipe Baton	1
11. Horizont Curtain	1
12. Curtain Rail, runner	1
13. Fixed Metal for Curtain Rail	1
14. Suspension for Paper Horizont	1
15. Paper Horizont 2.7×11m Color	3
16. Paper Horizont 2.7×45m White	1
17. Spot Light 650W	6
18. Upper Horizon Light	8
19. Spot Light 1 KW	4
20. Quarts BARNED Light	8
21. Sky Light	2
22. Skypan Light	2
23. Scoop Light	2
24. Spring Hanger	4
25. Stand with Caster	2
26. Lamp	1
27. Outlet Box	20
28. Plug in Box	4

Item	Q'ty
29. Extension Cable 3m	5
30. Extension Cable 5m	5
31. Spare Parts for Dimmer	1
32. Spare Parts for Lighting	1

Item	Q'ty
[Teaching Aid Production Room]	
1. T.P. Maker	2
2. T.P. Aid Production Equipment	1
3. Overhead Projector	1
4. Screen with Tripod	1
5. Photo Copier Machine	1
6. Drawing Machine with Chair	2
7. Camera	2
8. Accessories for Camera	2
9. DPE Equipment for Darkroom	1

III. Scientific Experimental Apparatus

Item	Q'ty
[Physics Experimental Apparatus]	
1. Tape Measure	1
2. Tape Measure	1
3. Rule	6
4. Venier Calipers	3
5. Micrometer Screw Gauge	2
6. Traveling Microscope	1
7. Spherometer	2
8. Single Pan Balance	1
9. Spring Balance 200g (5g scale)	3
10. Spring Balance 200g (2g scale)	3
11. Hydrometer	1
12. Jolly's Spring Balance	1
13. Stop Watch	3
14. Stroboscope	1
15. Electronic Stop Clock	1
16. DC Voltmeter 3~300V	3
17. DC Voltmeter 250mV~2.5V	3
18. DC Ammeter	3
19. AC Voltmeter	3
20. AC Ammeter	3
21. Micro Ammeter	3
22. Galvanometer	3
23. Demonstration Galvanometer	1
24. Circuit Tester	4
25. Meter - Stick Bridge	2
26. DC Potentiometer	1
27. Resistance Box	3
28. Test Oscillator	1

Item	Q'ty
29. Low Frequency Oscillator	1
30. Oscilloscope	1
31. Dual Trace Synchroscope	1
32. Electronic Digital Counter	1
33. X-Y Recorder	1
34. Photo-Electric Switch	1
35. Astronomical Telescope	1
36. Horizontal & Vertical Phenomena Projector	1
37. Accessories Set for Science Photography	1
38. Lever Experimental	1
39. Set of Pulleys	3
40. Table Clamp Pulley	4
41. Wheel and Axle	1
42. Inclined Plane	1
43. Weight Set	3
44. Assorted Weights for Dynamics	3
45. Recording Timer	3
46. Pair of Dynamics Cart	6
47. Gas Bearing Runway for Dynamics	1
48. Air Table for Dynamics	1
49. Fall Tube	1
50. Two Kinds Free Fall Balls	1
51. Monkey-Hunter Experimental Kit	1
52. Ballistics Cart	1
53. Rotating Platform	1
54. Whirling Device	1
55. Bohnenberger's Gyroscope	1

Item	Q'ty
56. Young's Modulus Apparatus	1
57. Demonstrator for Conversion of Energy	1
58. Work Integrator	1
59. Apparatus for Determination	1
60. Portable Seismograph	1
61. Ripple Tank	1
62. Shive's Wave Machine	1
63. Wave Motion Demonstrator	1
64. Flat Wire Coil	2
65. String Vibrator	1
66. Simple Pendulum	4
67. Helical Steel Spring	1
68. Level	1
69. Hare's Specific Gravity Tube	2
70. Pascal's Principle Apparatus	1
71. Model of Bramah's Hydraulic Press	1
72. Metal Cubes and Cylinders Set	1
73. Buoyancy Experimental Kit	1
74. Torricelli's Law Experimental Kit	1
75. Magdeburg Hemisphere	1
76. Vacuum Pump	1
77. Evacuation Plate	1
78. Crooke's Radiometer	1
79. Ingenhousz's Heat Conductivity Demonstrator	1
80. Linear Expansion Tester	1
81. Heat Expansion Demonstrator	1
82. Steam Generator	3

Item	Q'ty
83. Water Calorimeter	6
84. Water Calorimeter w/ 2 Resistance Wire	1
85. Apparatus to Demonstrate	1
86. Gas Laser	1
87. Laser Optical Bench	1
88. Light Source	1
89. Spectro Lamp	1
90. Optical Bench	1
91. Optical Slit	1
92. Optical Trough	1
93. Plain Mirror	3
94. Convex Mirror	3
95. Concave Mirror	1
96. Convex Lens	3
97. Convex Lens	3
98. Concave Lens	3
99. Lens and Prism Kit	1
100. Index of Refraction Plate	6
101. Equilateral Prism	6
102. Right-Angle Prism	6
103. Spectrometer	1
104. Direct Vision Spectroscope	1
105. Newton's ring Apparatus	1
106. Biprism	1
107. Diffracting Grating	1
108. Solar Battery Demonstrator	1
109. Accessory Set	1
110. Standard Tuning Fork	6
111. Sympathetic Tuning Fork	2
112. Organ Pipe	1

Item	Q'ty
113. Sonometer	1
114. Air Column Resonance Apparatus	1
115. Kundt's Apparatus	1
116. Bar Magnets Mks	12
117. Bar Magnets Alunico	6
118. U-Shaped Magnet	2
119. Electromagnet	1
120. Magnet Needle	1
121. Magnet Compass	3
122. Dip Needle	1
123. Gauss Meter	1
124. Oscillation Magnet Meter	1
125. Friction Rods	3
126. Leaf Electro Scope	1
127. Electrophorus	1
128. Van de Graaff Electrostatic Generator	1
129. Leyden Jar	1
130. Condenser Energy Experiment Apparatus	1
131. Insulating Platform	1
132. Slide Rheostat	2
133. Primary & Secondary Coil	3
134. Dissectible Transformer	1
135. Auto-Transformer	2
136. Induction Coil	1
137. High Voltage Supply	1
138. Electromagnetic Force Demonstrator	1
139. Measurement of Magnetic Field	3

Item	Q'ty
140. Electromagnetic Induction Experiment Apparatus	1
141. Copper Voltameter	3
142. Fleming's Law Demonstrator	1
143. Small Series Motor	1
144. Induction Motor Demonstrator	1
145. Generator Model for AC & DC	1
146. Small Dynamo	1
147. Spectrum Tube	1
148. Spectrum Tube Stand	1
149. Cross Vacuum Scale	1
150. Vacuum Discharge Tube	1
151. Crookes' Tube	1
152. Electron Diffraction Demonstrator	1
153. E/M Measuring Apparatus	1
154. Demonstration Super-Soft X-Ray Apparatus	1
155. Laue Spot Photographing Kit	1
156. Photo Electric Tube	1
157. Photoelectric Effect Demonstrator	1
158. Microwave Demonstrator	1
159. Amplifier	1
160. Milikan's Elementary Charge Apparatus	1
161. Planck's Constant Apparatus	1
162. Franck-Hertz Apparatus	1
163. Absorption Sodium Flame Tube	1
164. Diffusion Cloud Chamber	1
165. Radiation Detector	1

Item	Q'ty
166. Closed Radiation Source for Experiment	1
167. Storage Case for above	1
168. Demonstration Volta Cell	1
169. Daniel Cell	1
170. Cell Assembly Set	1
171. Dry Cell Holder	2
172. Lead Wire Set	1
173. Alkali Storage Battery	1
174. Power House	2
175. Power House for Charge	1
176. Power Source for Electronic Tube	1
177. Rain Gauge	1
178. Aneroid Altimeter	1
179. Wet & Dry Thermometer	1

Item	Q'ty
[Chemistry Experimental Apparatus]	
1. Table Balance	2
2. Automatic Table Balance	1
3. Direct Reading Analytical Balance	1
4. Alarm Stop Clock	2
5. Thermometer -5~105°C	6
6. Thermometer 0~360°C	3
7. Automatic Water Distillation Apparatus	1
8. Soil Sieve Set	1

Item	Q'ty
9. Cork Borer	1
10. Cork Squeezer	1
11. Steel Mortar	1
12. Iron Stand	4
13. Funnel Stand	4
14. Burette Stand	4
15. Pipette Stand	4
16. Retort Stand	4
17. Jacky Table	1
18. Iron Tripod	4
19. Test Tube Stand	6
20. Gas Burner	3
21. Gas Blast Burner	1
22. "C" Clamp	2
23. Alcohol Lamp	4
24. Foot Bellows	1
25. Kipp's Gas Generator	1
26. Soxhlet's Fat Extracter w/Water Bath	1
27. Electric Water Bath	1
28. Hofmann Electrolysis Apparatus	1
29. Eudiometer	1
30. Heumann's Ozonizer	1
31. Glass Electrode pH Meter	1
32. Beckman's Molecular Weight Apparatus	1
33. Photoelectric Colorimeter	1
34. Laurent System Polari-Sacchari Meter	1
35. Pipette Washer	1

Item	Q'ty
36. Automatic Test Tube Washer	1
37. Test tube Drier	1
38. Electric Drying Oven	1
39. Electric Crucible Furnace	1
40. Magnetic Stirrer	1
41. Mini Magnetic Stirrer	1
42. Electric Centrifuge	1
43. Electric Water Bath	1
44. Electric Mantle Heater	1
45. Immersion Heater	1
46. Laboratory Cart	1
47. Auto Desiccator	1
48. Probe Cabinet	2
49. Crystal Model Kit	1
50. Blow Pipe	6
51. Glass Wares	1
52. Chemicals	1

Item	Q'ty
[Biology Experimental Apparatus]	
1. Tape Measure 2m	1
2. Tape Measure 50m	2
3. Rule 1m	6
4. Objective Micrometer	1
5. Eyepiece Micrometer 50mm	1
6. Eyepiece Micrometer 100mm	1
7. Single Balance	1
8. Direct Reading Analytical Balance	2

Item	Q'ty
9. Table Balance	2
10. Alarm Stop Clock	1
11. Thermometer	6
12. Thermometer	2
13. Cork Borer	1
14. Hand Centrifuge	1
15. Iron Stand	12
16. Funnel Stand	12
17. Burette Stand	12
18. Pipette Stand	12
19. Iron Tripod	12
20. Test Tube Stand	10
21. "C" Cramps	2
22. Gas Burner	6
23. Gas Blast Burner	1
24. Microscope, for Teacher	1
25. Microscope, for Student	12
26. Dissecting Microscope	8
27. Stereo Microscope	4
28. Microscope Color TV System	2
29. Binoculars	1
30. Spotting Scope	1
31. Dissecting Set, for Teacher	1
32. Dissecting Set, for Student	15
33. Dissecting Pan	9
34. Plastic Tray	9
35. Kymograph	1
36. Recording Magnet	1
37. Apparatus for Heat Perfusion	1
38. Osmotic Pressure Demonstrator	1

Item	Q'ty
39. Thoma's Hemacytometer	1
40. Ukena's Colorimeter	1
41. Manometer	1
42. Photo synthesis Experiment Apparatus	1
43. Transpiration Experimenting Apparatus	1
44. Plant Growth Measuring Apparatus	3
45. Plant Turning Apparatus	1
46. Satchel	1
47. Portable Plant Holder	1
48. Collection Spade	1
49. Selection Scissors	1
50. Scissors for Branch	1
51. Flower Shear	1
52. Insect Collecting Net	1
53. Water Dip Net	1
54. Insect Killing Glass Jar	1
55. Triangular Case	1
56. Insect Collecting Case	1
57. Beach Collection Set	1
58. Plankton Collection Net	1
59. Plankton Collection Net	1
60. Pressed Leaves Making Set	2
61. Insect Spreading Board	3
62. DNA Model	2
63. Cylinder Microtome	1
64. Aquarium	1
65. Temperature Regulator	5
66. Air Pump for Aquarium	5

Item	Q'ty
67. Animal Cage	3
68. Insect Case	3
69. Bird Cage	1
70. Sprayer	1
71. Gardening Tools	2
72. Microscope Slides, Botanical	1
73. Microscope Slides, Zoological Organization	1
74. Microscope Slides, Moud & Mushroom	1
75. Microscope Slides, Mitosis in Plant Cell	1
76. Microscope Slides, Plankton	1
77. Electric Drying Oven	1
78. Electric Incubator	1
79. Hot Air Sterilizer	1
80. High Pressure Steam Sterilizer	1
81. Refrigerator	1
82. Germicidal Vivarium	1
83. Multizone Electrophoresis Apparatus	1
84. Paper Electrophresis Outfit	1
85. Paper Chromatograph Jar	1
86. Culture Tubes Stand	1
87. Electric Low Temperature Incubator	1
88. Microbial Experiment	1
89. Lux Meter	1
90. Rain Gauge	1
91. Glass Electrode pH Meter	1
92. Glass Wares	1

Item	Q'ty
93. Chemicals	1
94. Collection of Animal Fossile	1
95. Collection of Plant Fossile	1
96. Classified Collection of Invertebrate Animal	1
97. Classified Collection of Vertebrate	1
98. Anatomy of Vertebrate Animals	1
99. Anatomy of Invertebrate Animal	1
100. Comparative Anatomy of Brains of Vertebrate Animal	1
101. Comparative Anatomy of Hearts of Vertebrate Animal	1
102. Specimonto Show Nervons System of Vertebrate Animal	1
103. Anatomy of Heart	1
104. Anatomy of Lungs	1
105. Anatomy of Eye of Mannal	1
106. Anatomy of Digestive Organs of Vertebrate Animal	1
107. Anatomy of Muscle and Joint	1
108. Developmental Stage of Vertebrate Animal	1
109. Specimen of Parasite	1
110. Developmental Stage of Rana Negromaculete Hallowell	1
111. Herbarium Specimen	1
112. Specimen of Seaweeds	1
113. Mitosis in Plant Cell	1
114. Meiasis in Plant Cell	1
115. Developmental Stage of Sea Urchin	1

Item	Q'ty
[Others]	
1. Laboratory Center Table	6
2. Laboratory Side Table	2
3. Laboratory Sink	6
4. Black Board (Movable)	2
5. Overhead Projector w/Stand	2
6. Screen for OHP	2
7. Laboratory Table for Preparation Rm.	1
8. Chemical Cabinet	4
9. Storage Cabinet	16

IV. Technical & Homemaking Apparatus

Item	Q'ty
[Home Making Practice Room]	
1. Work Table	4
2. Desk for Teacher w/Chair	1
3. Unit Sink	4
4. Gas Range w/Burner 2 pcs. and Grill	4
5. Gas Table for Gas Range	4
6. Refrigerator 1,080ℓ	1
7. Cupboard	1
8. Dressing Rack	1
9. Stainless Steel Work Table	6
10. Juicer/ Mixer	5
11. Cooking Pan Set	5
12. Cooking Ware Set	5
13. Cooking Instrument Set	5
14. Dinner Set	30

Item	Q'ty
15. Table Ware Set	30
16. Chopping Board and Knife Set	5
17. Tray	5
18. Cooking Measure Set	5
19. Tea Pot	5
20. Stone	2
21. Toaster Oven	2
22. Electric Sewing Machine	5
23. Zigzag Sewing Machine	2
24. Button Hole Mending Tools	5
25. Dressmaking Tools for Teacher	1
26. Dressmaking Tools for Student	5
27. Scissor for Wll	10
28. Skirt Marker	2
29. Model Stand	2
30. Steam Iron	5
31. Iron Stand	5
32. Finishing Stand for Shoulder	2
33. Finishing Stand for Sleeve	2
34. Spray	5
35. Rule	5
36. Pinking Scissor	10
37. Curtain	1
38. Mirror	1
39. Overhead Projector w/Stand and Accessories	1
40. Screen for OHP (Ceiling type)	1

Item	Q'ty
[Wood Processing Practice Room]	
1. Automatic Planer	1
2. Hand Planer	1
3. Circular Saw	1
4. Band Sawing Machine	1
5. Wooden Lathe	1
6. Dust Collector	1
7. Air Compressor	1
8. Bench Grinder w/Dust Collector	1
9. Fret Sawing Machine	1
10. Electric Hand Planer	2
11. Electric Jig Saw	2
12. Electric Power Cutter	1
13. Bench Type Drill Press	1
14. Disc Sander	2
15. Disc Grinder	2
16. Portable Electric Drill	2
17. Bench Type Electric Motiser	2
18. Electric Carpenter Set	1
19. Hand Grinder	5
20. Hand Drill	5
21. Ratchet Brace	5
22. Hole Saw	2
23. Wood Vice	5
24. Hand Plane Set	5
25. Hand Saw Set	5
26. Wood Chisel Set	5
27. Gimlet Set	5
28. Marking Gauge Set	5

Item	Q'ty
29. Hammer Set	5
30. Wood Surface Finishing Tool	2
31. Saw Setting File	5
32. Wood Working File	5
33. Stone Set	5
34. Level	5
35. Carpenter's Square	5
36. Measuring Rule and Tape	5
37. Clamp	5
38. Wooden Anger	3
39. Dressor for Plain	2
40. Dressor for Curved Surface	2
41. Tool Set	2
42. Cutter Knives	5
43. Engraving Knives Set	5
44. India Ink Pot with Ink	5
45. Vernier Caliper	3
46. Glass Cutter	5
47. Work Bench	2
48. Drafting Machine w/Chair	1

Item	Q'ty
[Metal Processing Practice Room]	
1. Precision Lathe	1
2. Universal Milling Machine	1
3. Bench Grinder with Dust Collector	1
4. Hack Sawing Machine Cutting Dia	1
5. Arc Welding Machine	1
6. Gas Welding Set	1
7. Air Compressor	1
8. Press	1
9. Treadle Shearing Machine	1
10. Folding Machine	1
11. Roll Forming Machine	1
12. Bench Drilling Machine	1
13. Parts Washing Stand	1
14. High-speed Cutter	1
15. Portable Electric Drill	2
16. Disc Sander	2
17. Hot Ject	1
18. Dryer for Electrode	1
19. Portable Electric Grinder	2
20. Vise	4
21. Hack Saw Frame	5
22. Tap and Dies Set	2
23. Figure and Letter Punches	2
24. Vernier Caliper Set	5
25. Micrometer Set	2
26. Dial Gauge Set	2

Item	Q'ty
27. Thickness Gauge	2
28. Level	5
29. Convex Rule and Steel Rule	5
30. Firm-Joint Caliper	5
31. File Set	5
32. Gasoline Torch	2
33. Torque Wrench	2
34. Hand Rivetter	2
35. Surface Plate w/Stand	1
36. C-Clamp	3
37. V-Block	3
38. Combination Plier	5
39. Water Pump Plier	5
40. Adjustable Wrench Set	5
41. Pipe Wrench Set	3
42. Double Offset Wrench Set	5
43. Socket Wrench Set	5
44. Open End Wrench Set	5
45. Chisel Set	5
46. Cutting Plier	10
47. Screw Driver Set	10
48. Hexagonbar Spanner Set	5
49. T-Type Wrench Set	3
50. Soldering Iron	5
51. Squar	5
52. Tool Set	2
53. Tool Stand	2
54. Hand Truck	2
55. Hydraulic Pipe Bender	1

Item	Q'ty
56. Threading Machine	1
57. Pipe Cutter	2
58. Pipe Vise	2
59. Glass Cutter	2
60. Scraper	10
61. Hand Vise	10
62. Tinner's Scissors Set	5
63. Cast Iron Anvil	2
64. Hammer Set	5
65. Forging Tools	1
66. Engine Generator	1
67. Working Bench	2
68. Drafting Machine w/Chair	1

V. Others

Item	Q'ty
1. Screen (Ceiling Mounted)	11
2. Overhead Projector	6
3. 16mm Film Projector	2
4. Slide Projector	2
5. Projection Table for (Item 2, 3, 4)	10

5. NIE Activities (1986~1988)

Staff College for Educational Administration
Training Activities (1987 ~ 1988)

(Ma : Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants X times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Post Grad. Diploma in Edu. Management	Theory and Practice of Edu. Mgt.	Degree Dip. in Edu. 5 Yrs. Exp. in teaching	NIE, MOE, University British Council (36)	NIE (Ma)	37 X 1 22 X 1 (59)	1 year	1,100,000
2. Induction Course for SLEAS III Recruits	ditto + Administrative Practice	Degree SLEAS Class III	NIE, MOE, SLIDA, University (55)	National Youth Centre	111 X 1 (111)	4 months	2,595,310
3. Training Course in Educational Administration	Practice of Edu. Admin. Problems issues and Innovation	SLEAS Class II & III	ditto (20)	NIE (Ma)	24 ~ 36 X 12 (366)	1 month	73,000
4. Training Course in Educational Management	Roles, Pract. of Headship Plan Implementation	Heads of Senior Secondary Schools	ditto (76)	NIE (Ma)	19 ~ 40 X 7 (102)	1 month	260,000
5. Distance Training Course in Edu. Management	Principles, Concepts, issues in Small Schools	Heads of Primary and Junior Secondary Schools	ditto (13)	NIE (Ma)	100 X 1 (100)	1 year	225,000
6. Study Attachment Course in Training Methodology	Need based training Methods	School Management Advisers	ditto (17)	NIE (Ma)	4 ~ 10 X 3 (21)	3 weeks	50,000
7. Seminar/ Workshops	Themes Selected from Current Issues	Senior Administrators SLEAS I	ditto (20)	NIE (Ma)	20 X 1 (20)	1 month	45,000
8. Training Course in Edu. Management for Deputy Principals	Principals Roles and Practices	Deputy Principals and Sec. Heads	ditto (10)	NIE (Ma)	52 X 1 (52)	1 month	25,000

Staff College for Educational Administration
Research Activities (1987 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
1. U.N.D.P Research Project	Inquiry in to the operational aspects of Management practices since 1981	8 months	6	75,000
2. Impact study on 1984 reforms in 3 districts	Level of performance improvement after 1984 Decentralization	12 months	3	115,000
3. Case studies of good school practice	Case studies of 3 well performing schools	3 months	2	200,000
4. Bridges project collaborative research	Impact on management reforms	6 months	2	Cost born by the research unit
5. Case study on Kegalle Edu. District	Performance indicators & effectiveness	3 months	1	ditto
6. Quality Improvement through curriculum management	Determination of achivement levels. Developing techniques Experimentation	12 months	3	72,000
7. 20×3000 Preparation & production of 20 self learning modules	Concepts principles skills & practice	6 months	2	1,200,000
8. Preparation of supplimentary reading materials 300×15 booklets	Principles concepts skills & modalities	3 months	9	112,500
9. Preparation 2 dijests	readings or management	3 months	3	150,000

Institute of Distance Education
Training Activities (1986 ~ 1988)

(Ma : Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants X times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Elementary Teacher Education Course for Teachers of Primary Grades (Year 1 to 6) in service	Professional Education-ist theory and practice, and Primary School curricular inclusive of its teaching methodology	G.C.E. (O.L) teachers in service	Distance Education Branch of MOE, NIE (~'87 : 150) ('88 ~ : 135)	35 Regional Centres district wise	3,093 ('84~'86) 3,183 ('85~'87) 893 ('88~'90)	3 years	-26,282,624
2. Mathematics & Science combined Teacher Education Course for teachers of secondary grades (Year 7 to 11) in service	Professional Education-ist theory and practice, Mathematics and Science and their teaching methodology in relation to secondary school grades	G.C.E. (O.L) and A.L teachers in service	ditto (~'87 : 150) ('88 ~ : 135)	35 Regional Centres	1,573 ('84~'86) 1,112 ('85~'87) 944 ('87~'89) 862 ('88~'90)	3 years	
3. Distance Education Post-graduate Correspondence Course for untrained graduates	Professional Education-ist theory and practice, and teaching methodology in select subject areas of the secondary school grades	Graduate teachers in service	Distance Education Branch of MOE (20)	Colombo, Kandy, Galle & Jaffna	600 X 1	1 year	1,502,065
4. Seminars/workshops for Distance Education Professional national training workshops and local training sessions and foreign training	Course writing, Editing and Lay-out, Research, Tutoring & Correspondence Teaching	Trained graduates and secondary trained teachers	Distance Education Branch of MOE, NIE, SIDA (6)	NIE (Ma), Colombo, Kandy	30~75 X 9 (75)	1 year	1,220,654 +SIDA Funds

Institute of Distance Education
Research Activities (1986 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
1. Aspects of the Distance Education Programme for teachers in Sri Lanka	An opinion survey on the aspects of distance education programme (from 84~86 batch)	85 Oct. ~ 86 Apr.	10	80,000
2. Ideas of teacher-students regarding the revision of modules-step 1	An opinion survey from DE students on module revision. A samples study	86 Sep. ~ 87 July	10	60,000
3. Aspects of the Distance Education Programme for teachers in Sri Lanka	An opinion survey on the aspects of distance education programme further continuation of first project (from 85~87 batch)	87 Apr. ~ 87 Aug.	5	45,000
4. Survey on classroom teaching of Science Maths teachers of 84~86 batch	The survey to verify whether those teachers teach relevant subjects (ie. Science & Maths) in their classrooms	87 Oct. ~ 87 Dec.	4	20,000
5. Learning English through Distance Education. A survey conducted to ascertain the needs of non-English teachers	A survey to ascertain the English learning needs of non-English teachers	87 July ~ 87 Dec.	8	35,000
6. Analysis of bio-data of 87~89 batch	Collection and analysis of bio-data of 87~89 batch	87 June ~ 87 Dec.	5	25,000
7. Statistical analysis of final examination	Analysis of final examination results	87 Oct. ~ 87 Dec.	8	45,000

Institute of Teacher Education
Training Activities (1986 ~ 1988)

(Ma : Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants X times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Post Graduate Certificate in Education	Professional Training	BA/BSc	NIE (48)	10 Regional Centres	1986 ~ 88 (445)	2 years	2,087,675
2. Training workshop for PGCE Lecturers	Teaching Methodology	BA/BSc. Dip. in Ed. MA in Ed.	1986 NIE (4) 1987 NIE (6)	Sarvodaya, Moratuwa NIE (Ma)	1986 (40 X 1) 1987 (48 X 1)	1 month 1 month	40,000 30,000
	Preparation of Teaching Aids	ditto	1988 NIE (5)	NIE (Ma)	1988 (45 X 1)	1 month	33,000
3. Course for Teacher Educators	Activities Science Maths, Physical Education.	BA/BSc. Dip. in Ed. MA in Ed.	NIE (8)	NIE (Ma)	68 X 1	2 months	106,000
4. Course for Teacher Education Evaluation	Teaching Practice Evaluation Project Ev.	BA/BSc. Dip. in Ed. MA in Ed.	NIE (6)	NIE (Ma)	48 X 1	1 month	60,000
5. Training in Planning of Management for ITE staff	Planning Management Evaluation	BA/BSc. Dip. in Ed. MA in Ed.	NIE (5)	NIE (Ma)	20 X 1	1 month	30,000

Institute of Teacher Education : Research Activities (1986 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
Teacher Needs analysis	Needs of the Teacher Institution	1 year & 3 months	3	100,000

Special Education Resource Centre
Training Activities (1986 ~ 1988)

(Ma: Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants × times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Education of Visually Impaired	Braille, Low vision Mobility training	Un-Trained Teachers	NIE, MOE (3)	NIE (Ma)	25 × 1 (25)	2 years	- 600,000
2. Education of hearing impaired	Audiology Sign Language Mobility training	ditto	NIE, MOE (3)	NIE (Ma)	30 × 1 (30)	2 years	
3. Education of Mentally Retarded	Identification DLA skills aesthetic therapy	ditto	NIE, MOE (3)	NIE (Ma)	30 × 1 (30)	2 years	
4. Training of Master Teachers for Provinces	Teaching of the Mildly disabled	Trained Teachers	NIE, MOE (4)	Regional Centre	25 × 1 (25)	15 days	20,000
5. Training of teachers of Low Vision	Low vision training	ditto	NIE, MOE (4)	Regional Centre	25 × 1 (25)	15 days	20,000

Special Education Resource Centre
Research Activities (1986 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
1. Sinhala Sign Language	Video recording of Signs compilation of Sigh Dictionary	8 years	12	2,000,000
2. Audiology and Speech Audiometry	Sinhala speech Audiometry Development, Clinical work	1 year	3	1,500,000

Computer Education
Training Activities (1986 ~ 1988)

(Ma: Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants X times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Computer Education for Teachers (Orientation)	Computer Education : Introduction to computers and educational software development	BSc Graduates, AVL Teachers	NIE & Trainee teachers from schools (32)	NIE (Colombo)	155 X 1 50 X 1 (205)	2 weeks	300,000
2. Computer Education for teachers (Higher level)	Varies on the requirements of computer education programme time to time	ditto	Invited foreign experts (5)	NIE (Colombo)	30 X 1 (30)	1 month	150,000

Audio Visual Media Centre
Training Activities (1986 ~ 1988)

(Ma: Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants X times (Total Participants)	Duration	Operational Cost (Rs.)
1. Workshop on production of low cost teaching aids	Material for teaching human biology	Secondary trained science teacher educators	Expert from W. Germany (1)	Haliela Science Centre	20 X 1 (20)	10 days	20,000
2. UNESCO National Workshop	Production of self instructional media packages	Graduates and secondary trained teachers	2 Experts from UNESCO (2)	NIE Colombo	20 X 1 (20)	1 month	64,000
3. Workshop on production of low cost aids	Material for 6~11 science	Secondary trained science teachers	NIE (5)	Kandy Science Centre	22 X 1 (22)	10 days	20,000
4. 5 training courses on production of low cost materials	Material for 6~11 science	Secondary trained science teachers	NIE (5)	Colombo, Kandy, Anuradapura, Haliela	20 X 5 (100)	5 days	65,867
5. Training workshop on production of low cost material	Material for 6~11 social studies	Graduates and secondary trained teachers	NIE (5)	NIE Colombo	20 X 1 (20)	3 days	4,500
6. Training session on use of AV material and eqpt.	Use of material and equipment	Graduates	NIE (5)	NIE Colombo	20 X 1 (20)	2 weeks	25,000
7. Workshop on production of teaching aids	Material for primary education	Trained primary teachers	NIE (5)	NIE Colombo	20 X 1 (20)	1 week	16,000
8. Training workshop on script writing	Scripts for radio programme	Graduates	NIE, External experts (5)	NIE Colombo	20 X 1 (20)	2 weeks	28,000
9. Workshop on communication	Effective Communication and use of equipment	ditto	ditto (5)	NIE Colombo	20 X 1 (20)	2 weeks	24,000

Audio Visual Media Centre
Research Activities (1986 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
Evaluation of present ETV programmes	Questionnaires discussion with teachers, pupils and parents	1986	20	12,000
Need survey	School visits and discussions with teachers	1988	4	4,000

Planning
Training Activities (1988)

(Ma : Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants × times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Workshop on Project/ activity costing for NIE	To identify the cost of each activity or project & preparing cost estimates. To enhance the cost assessment & control capabilities.	All Directors of NIE	National Institute of Business Management (3)	National Institute of Business Management	19×1 (19)	2 weeks	11,200
2. ditto	ditto	Directors and chief Project Officers of NIE	ditto, NIE (3)	NIE (Ma)	48×1 (48)	1 month	-

Research
Training Activities (1986 ~ 1988)

(Ma : Maharagama)

Name of Training Course	Major Training Items	Qualification of Participants	Instructor (Nos.)	Place to be held	Participants × times/year (Total Participants)	Duration	Operational Cost (Rs.)
1. Research Methods	Case Studies Instrument Designs Data Collection	Degree Dip. in Ed. Post. Gr. De.	MOE, NIE University (40)	MOE, NIE, SLFI, ARTI	190 × 1	1 year	325,000
2. Data Processing	Data Reduction, Data Coding	ditto	ditto (20)	ditto	120 × 1	1 year	
3. Data Analysis	Qualitative Statistical	ditto	ditto (18)	ditto	125 × 1	1 year	
4. Preparation of Research Reports	Research Digest Research Rep. Papers	ditto	ditto (40)	ditto	190 × 1	1 year	
5. Computer Use	Introducing Computer	ditto	ditto (3)	ditto	9 × 1	1 year	
6. Training of Principals of rural Primary small schools & Education Officers Master Teachers	Community relations resources management methods of evaluation Teaching aids	Trained Degree	School Regional Dept. (3)	Kurumegala Polonnaruwa Kandy Ratnapura Chilaw	475 × 1	1 year	

SLFI : Sri Lanka Foundation Institute

ARTI : Agriculture Research & Training Institute

Research

Research Activities (1987 ~ 1988)

Name of Research Project	Contents of Project	Duration of Project	Number of Researchers	Project Cost (Rs)
1. Bridges Project	Principals Effectiveness Teacher Behaviour	1987~89	15	872,000
2. State of the Art Reviews (UNDP)	School Comm. Rela. Internal Efficacy External Efficacy Resource Motivation Management Curriculum & Exam. Clustering & Zoning	1987 1989	25	300,000
3. Case Studies of Successful Scholls Practices (UNDP)	Principals Leadership Teaching of Arts School Community Rel. Curriculum Implementation School Social Climage Management of Discipline Co-Curricular Activities	1988 1989	28	180,000
4. National Studies on Secondary Education (UNESCO)	Secondary Education in Sri Lanka	1989	6	30,000
5. NIE Research Institutes/ Grants	Teacher Ed. Teaching Methods Graduate Teacher Bd. Absenteeism Teacher Effectiveness Role of the Principals Achievement in Maths Special Education Curriculum Relevance	1988 1989	22	360,000
6. Joint Innovative Project (NIE/ UNESCO)	Raising Achievement Level of Primary School Children	1988 1989	4	30,000
7. NIE/ UIE Collaborative Project	Life Long Education	1988 1989	1	
8. NIE Priority Studies	Primary Texts	1988 1989	2	30,000
9. Future Studies	Education Policy Participation in School Life Long Education, Learning and Community Higher Education	1987 1988	9	50,000

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