



கிழமை அமைச்சு, தொழில்நுட்ப கல்வி அமைச்சு  
 Ministry of Skills Development, Vocational and Technical Education

தொழில்நுட்ப கல்வி அமைச்சு  
 Department of Technical Education and Training



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உமது இல. }  
 Your No. }

மேலே எழுதின  
 எனது இல. } DTET/6/1/1/18/2001  
 My No. }

நாள் } 2004-07-30  
 திகதி. }  
 Date. }

Secretary,  
 Ministry of Skills Development, Vocational and Technical Education,  
 18, Ward Place,  
 Colombo 07.

**Applications For Japan's Technical Cooperation  
 Reconstruction and Reform of Technical Education in Sri Lanka  
 Management of Technical Education Training**

Two proposals, one for Reconstruction and Reform of Technical Education in Sri Lanka to upgrade the college, Gampaha and two, to strengthen the management capabilities of principals of technical colleges and heads of sections in the department through providing training opportunities in Japanese training organizations, on the specified format for Japan's Technical Corporation are submitted herewith please. (7 copies each)

Proposals were formulated in consultation with Mr. Satoru Tanokura, JICA Technical Education & Training Advisor to the Department. It is much appreciated if priority is given to these proposals by the Ministry in terms of Japan's Technical Corporation proposals for the ensuing year.

Grateful if the proposal is submitted with your recommendation to the External Resources Department with a copy to the National Planning Department as per Policy Development & Implementation Circular No. 02/01/Revision 1 of 3<sup>rd</sup> May 2002.

*SJK* P. Kodituwakku  
 Director General

CC: (1) Resident Representative, JICA - Sri Lanka - f.i.p.  
 (2) Mr. S. Tanokura - Senior Advisor, JICA - f.i.p.

*SJK*

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**Pioneer Organization in providing Technical Education and Training in Sri Lanka.**

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## APPLICATION FOR JAPAN'S TECHNICAL COOPERATION

Project for Reconstruction and Reform of Technical Education in Sri Lanka

(JAPAN-SRI LANKA TECHNICAL COLLEGE)

Old Title :

Center for Network Maintenance Technician Training (CENEMATT) for 2004

31st JULY, 2004

Ministry of Skills Development, Vocational and Technical Education  
Department of Technical Education and Training  
P.O.Box 557,  
Olcott Mawatha,  
Colombo 10.  
Sri Lanka

## APPLICATION FORM FOR JAPAN'S TECHNICAL COOPERATION

1. **Date of Entry:** Day 31 Month July Year 2004
2. **Applicant:** The Government of the Democratic Socialist Republic of Sri Lanka
3. **Project Title:** Modified Title : Project for Reconstruction and Reform of Technical Education in Sri Lanka (Japan-Sri Lanka Technical College)  
  
Old Title : Center for Network Maintenance Technician Training (CENEMATT) for 2004
4. **Implementing Agency:** Ministry of Skills Development, Vocational and Technical Education, Department of Technical Education and Training  
  
Address: P.O.Box557,Olcott Mawatha,Colombo10,Sri Lanka  
Contact Person: Mr.P.Kodituwakku, Director General, Department of Technical Education and Training  
Tel. No.: 94-11-2333477 Fax No.- 94-11-2449136  
E-Mail: tecedu@sri.lanka.net
5. **Background of the Project**

This proposal has been submitted as "Center for Network Maintenance Technician Training(CENEMATT) for 2004" to Japanese government last year.

Department of Technical Education and Training under the Ministry of Skills Development, Vocational and Education Training, submits "Project for Reconstruction and Reform of Technical Education in Sri Lanka (Japan-Sri Lanka Technical College) " as a revised and renewed version instead of "Center for Network Maintenance Technician Training(CENEMATT) for 2004" in this instance.

Human Resource Development is a key component in National Development Plan in Sri Lanka. Accordingly a HRD Policy, has been formulated by the Government, to maintain continuous and sustained economic growth with specific attention on changing needs of industry and also to resolve the social issue of increasing unemployment rate among the un-skilled workers and new school leavers and to promote Human Resource Development to match labour market needs.



In this endeavour, Human Resource Development in the field of Information and Communication Technology, and Computer Control Technology alone cannot contribute to economic development, but also, the development of Human Resource in the other fields of occupations such as mechanical technology, welding technology, electrical and electronics, automobile repairs technology, wood working technology, plumbing technology, refrigeration and air conditioning technologies, so on are also of utmost importance in promoting sustainable economic growth.

The labor demand and extent of labor market also, of these fields are rapidly expanding. Therefore Department of Technical Education and Training being the major organization providing institutionalized training coming under the purview of the Ministry of Skills Development, Vocational and Technical Education, has the highest responsibility to encourage Human Resource Development in these fields. Though the Department of Technical Education and Training has to play the major role in developing human resources in these fields, it does not possess up to date facilities, it has mostly obsolete types of training equipments and it needs trained staff in these fields, and finds it difficult in implementing appropriate programs to match the needs of the employers in industry. As such the Department of Technical Education and Training proposes to obtain Technical Cooperation from the Government of Japan with regard to above-mentioned fields to up grade and improve the quality of trainee's skills and knowledge in par with the levels of international skills standards.

## 6. Outline of the Project

### (1) Overall Goal

Department of Technical Education and Training the largest institutionalized training provider under the Ministry of Skills Development, Vocational and Technical Education carries out Technical Education and Training for the Human Resource Development in Sri Lanka. Especially, Technical Education and Training in the fields of occupations such as mechanical technology, welding technology, electrical and electronics, information and communication technology and computer control technology, automobile repair technology, wood working technology, plumbing technology, refrigeration and air conditioning technologies, are to be carried out by the Department of Technical Education and Training to contribute to industrial and economic growth and employment generation as part of the National Development Plan in Sri Lanka.

Further, Department of Technical Education and Training contributes to resolve the Social issue of increasing unemployment rate among the un-skilled workers and new school leavers and to promote Human Resource Development to match labour market needs by implementation of the reconstruction and reforms of technical education in Sri Lanka

(2) Project Purpose

- To restructure and reform the management of the technical education to up-to date technology in Sri Lanka
- To establish a model modern Technological College.
- To conduct 1 or 2 year duration training courses for different target groups such as school leavers and un-skilled workers.  
Training courses are mechanical technology, welding technology, electrical , electronics, information and communication technology and computer control technology, automobile repair technology, wood working technology, pipe fitting and plumbing technology, refrigeration and air conditioning technologies, etc.:

Total seating capacity : approximately more than 600 trainees

1<sup>st</sup> year 30/Yr/stream

2<sup>nd</sup> year 30/Yr/stream

- To conduct Human Resource Development Up-Grading Seminars or Workshops for target groups of employed persons 1,000/Yr
- To conduct Human Resource Development Up-Grading Training for Technical Education and Training Instructors and Vocational Training Instructors totaling 526 numbers.
- To promote the career guidance and counselling service.

(3) Outputs

- To restructure and reform the management of the technical education to up-to date technology in Sri Lanka
- To restructure and reform the Human Resource Development of new school leavers and un-skilled workers to up-to date technology.
- To make reconstruct and reform the Human Resource Development of employees to up-to date technology.
- To reconstruct and replace the training machines and equipment as renovated or scrap to set-up the state of the art modern equipment.
- To review ,revise and redesign for the curriculum development.

- To reconstruct and reform the instructional resource materials development (text books, AV aids, so on).
- To reconstruct, reform, develop and introduce new training courses, for example: information and communication technology and computer control technology, etc:
- To improve and strengthen the instructor's teaching abilities for the updated technology.
- To reform and strengthen the career guidance services.
- To reconstruct and reform to promote the trainees skill acquisition and improve quality and skills standards.

#### (4) Project Activities

- Conduct high quality and appropriate up-to date Technician Training courses for un-skilled workers and new school leavers who possess O/L certificates, to encourage them to become competent technicians demanded by labor market and meeting enterprise needs etc in the selective fields.
- Conduct seminars and workshops for the employees who are working in new technology fields to up grade their skills and knowledge.
- Carry out instructor training programs in each field for further and retraining.
- Carry out surveys on labor demand and labor market to identify the needs of the industries and develop curricular based on the analysis of the findings of the surveys.
- Develop the instructional resource materials and text books not only to utilize them in this project and 36 Technical Colleges, but also to promote higher quality Technical Education and Training in the country
- Carry out transfer of Technology from Japanese Experts to Sri Lanka counter parts
- Carry out Sri Lanka counterparts training in Japan.
- Promote the management and maintenance of Technical and Training Facilities, training equipments, raw materials, trainees, career guidance etc.

(5) Input from the Recipient Government

- Establishment of joint committee.
- Provide two managers : Director , Deputy Director

Director : Overall management

Deputy Director : Training management

- Provide 32 Instructors : mechanical technology(4), welding technology(4), electrical technology(4), electronics/information and communication technology and computer control technology(4), automobile repair technology(4), wood working technology(4), pipe fitting technology(4), Refrigeration and air conditioning technology(4), so on.
- Provide 3 staff members for teaching development service
- Provide 3 staff members for career guidance service
- Administration : Three persons in staff
- Support : Five persons
- Provide office and workshop space

Location of Existing Building :

1)First site proposed

Gampaha Technical College(see the attached document)  
Werellawatta Gampaha

2)Second site proposed

Homagama Technical College(see the attached document)  
Godagama Homagama

- To be renovated



- Local Costs to maintain the project

Personal salaries

Utility charges(Water, Electricity, Telephone, Fax, e-mail etc)

Transport, Labor Charges.

Telecom and Communication Installation.

Maintenance Charges of equipments, and Buildings, and other repairs

Local cost of requested project will be met by annual budget.

(6) Input from the Japanese Government

(Long term experts : 10 persons)



- Chief advisor(1) 5 years
- Mechanical technology(1) 5 years
- Welding technology(1) 2 years
- Electric technology(1) 2 years
- Electronics/information and communication technology and computer control technology(1) 5 years
- Automobile repair technology(1) 2 years
- Wood working technology(1) 2 years
- Career guidance(1) 2 years
- Hotel service(1) 2 years
- Coordinator(1) 5 years

(Short term experts : 10 persons)

- Mechanical technology(1) 2 months
- Welding technology(1) 2 months
- Electric technology(1) 2 months



- Electronics/information and communication technology  
and computer control technology(1) 2 months
  - Automobile repair technology(1) 2 months
  - Wood working technology(1) 2 months
  - Pipe fitting technology air conditioning repair technology(1), 2 months
  - Teaching development(1) 2months
  - Career guidance(1) 2 months
  - Hotel service(1) 2 months
- (Counterpart Training in Japan : 10 persons)
- Management and Maintenance of training facility (2) 2 weeks
  - Management and Maintenance of training equipment (2) 2 weeks
  - Mechanical technology(3) 2 months
  - Welding technology(3) 2 months
  - Electric technology(3) 2 months
  - Electronics/information and communication technology  
and computer control technology(3) 2 months
  - Automobile repair technology(3) 2 months
  - Wood working technology(3) 2 months
  - Pipe fitting technology air conditioning repair technology(1), 2 months
  - Teaching development(3) 2months
  - Career guidance(3) 2 months
  - Hotel service(3) 2 months
  - Teaching development(1) 2months

• Career guidance(1) 2 months

• Hotel service(1) 2 months

(Equipment of following Categories)

- Mechanical technology
- Welding technology
- Electric technology
- Electronics/information and communication technology and computer control technology
- Automobile repair technology
- Wood working technology
- Pipe fitting technology • air conditioning repair technology
- Teaching materials development
- Career guidance
- Hotel service
- Instructional Resource Materials Development
- Audio Visual Training Equipment
- Books

**7. Implementation Schedule**

Month April Year 2005 ~ Month March Year 2010

**8. Implementing Agency**

Annual Budget 758,719,500JYS(2002) equivalent to Rs. 505,813,000.00

Total Staff 1,812

Instructors 526

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## 9. Related Activities

- JICA Vocational Training Advisor (1) July, 1998 ~ July, 2001 (Expiration)
- JICA Technical Education and Training Advisor (1) April, 2002 ~ March, 2005  
(on going)
- JOCV (Japanese language (1), Computer (1))
- ADB Project : ADB funded Skills Development Project (2000 - 2006) major component on introducing Competency Based Training (CBT).

## 10. Gender Consideration

Equal opportunities for both sexes to acquire employable skills and employment and start better livelihood contributing to the generation of wealth of the country . Reduction of social inequalities and creating environment for genuine and honourable peace in the country

## 11. Environmental Consideration

see the attached document

## 12. Beneficiaries

- Direct technical transfer target person : Implementing Agency staff, Instructors  
(50)  
Deputy Director (1)  
Director (1)
- Participants of Project : 1 or 2 year duration training courses for target persons who are un-skilled workers and new school leavers.

Total seating capacity : approximately more than 600 trainees

1<sup>st</sup> year 30/Yr/stream

2<sup>nd</sup> year 30/Yr/stream

- To conduct Human Resource Development Up-Grading Seminars or workshops as persons who are employed. 1,000/Yr
- To conduct Human Resource Development Up-Grading Training as target persons who are Technical Education and training Instructors and Vocational Training Instructors who are 526 .
- Related employees in this field : 4,000,000

**13. Security Conditions**

Security situation is quite good and safe to implement this project. The expert's life environment will also be very good. and congenial

**14. Others**

• Enclosed as annextures.

- (1) Sample out line of Curriculum (Welding Technology)
- (2) Sample out line of Training Contents. (Welding Technology)
- (3) Sample list of Main Equipments. (Welding Technology)

## Screening Format

Question 1 Address of a project site

1. Gampaha Technical College, Werellawatta , Gampaha
2. or Homagama Technical College Godagama , Homagama

Question 2 Outline of the project

2-1 Does the project come under following sectors?

Yes  No

If yes, please mark corresponding items. Not Applicable

- Mining development
- Industrial development
- Thermal power (including geothermal power)
- Hydropower, dams and reservoirs
- River/erosion control
- Power transmission and distribution lines
- Roads, railways and bridges
- Airports
- Ports and harbors
- Water supply, sewage and waste treatment
- Waste management and disposal
- Agriculture involving large-scale land-clearing or irrigation
- Forestry
- Fishery
- Tourism

2-2 Does the project include the following items?

Yes  No

If yes, please mark following items.

- Involuntary resettlement (scale: households, persons)
- Groundwater pumping (scale: m<sup>3</sup>/year)
- Land reclamation, land development and land-clearing (scale: hectares)
- Logging (scale: hectares)

2-3 Did the proponent consider alternatives before request? **Not Applicable**

Yes: Please describe outline of the alternatives

(

)

No

2-4 Did the proponent have meetings with related stakeholders before request? **Not Applicable**

Yes  No

If yes, please mark the corresponding stakeholders.

Administrative body

Local residents

NGO

Others (

)

Question 3

Is the project a new one or an on-going one? In case of an on-going one, have you received strong complaints etc. from local residents?

New  On-going (there are complaints)  On-going (there are no complaints)

Others

**Project for Reconstruction and Reform of Technical Education – Strengthening and upgrading of an existing technical training institute to meet the changing technological and social needs of the industry and a nation.**

Question 4 Name of laws or guidelines:

Is Environmental Impact Assessment (EIA) including Initial Environmental Examination (IEE) required for the project according to laws or guidelines in the host country? **Not applicable for this project as it is an educational and training project proposal**

Yes  No

If yes, please mark corresponding items.

Required only IEE ( Implemented,  on going,  planning)

Required both IEE and EIA ( Implemented,  on going,  planning)

Required only EIA ( Implemented,  on going,  planning)

Others:

(

)

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Question 5

In case of that EIA was taken steps, was EIA approved by relevant laws in the host country?

If yes, please mark date of approval and the competent authority. **Not Applicable**

<input type="checkbox"/> Approved: without a supplementary condition	<input type="checkbox"/> Approved: with a supplementary condition	<input type="checkbox"/> Under appraisal
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(Date of approval: \_\_\_\_\_ Competent authority: \_\_\_\_\_ )

Not yet started an appraisal process

Others: ( \_\_\_\_\_ )

Question 6

If a certificate regarding the environment and society other than EIA, is required, please indicate the title of certificate. **Not Applicable**

Already certified                       Required a certificate but not yet done

Title of the certificate : ( \_\_\_\_\_ )

Not required

Others ( \_\_\_\_\_ )

Question 7

Are following areas located inside or around the project site?

Yes     No     Not identified

If yes, please mark the corresponding items.

- National parks, protected areas designated by the government (coast line, wetlands, reserved area for ethnic or indigenous people, cultural heritage) and areas being considered for national parks or protected areas
- Virgin forests, tropical forests
- Ecological important habitat areas (coral reef, mangrove wetland, tidal flats)
- Habitat of valuable species protected by domestic laws or international treaties
- Likely salts cumulus or soil erosion areas on a massive scale
- Remarkable desertification trend areas
- Archaeological, historical or cultural valuable areas
- Living areas of ethnic, indigenous people or nomads who have a traditional lifestyle, or special socially valuable area

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Question 10: **Not relevant**

Information disclosure and meetings with stakeholders

10-1 If the environmental and social considerations are required, does the proponent agree on information disclosure and meetings with stakeholders in accordance with JICA Guidelines for Environmental and Social Considerations?

Yes       No

10-2 If no, please describe reasons below.

[ ]

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Annex 1 : Sample out line of Curriculum (Welding Technology)

(1) Technical Subject

- Welding I (Manual metal arc welding)
- Welding II (Gas welding and cutting)
- Welding III (Automatic and semi-automatic arc welding)
- Metal materials
- Electrical
- Design and drawing
- Safety and healthy

(2) Practical Subject

- Welding I (Manual metal arc welding)
- Welding II (Gas welding and cutting)
- Welding III (Co2 and MAG arc welding)
- Welding IV (TIG and MIG welding)
- Fundamental practice of measurement
- Safety and healthy

Annex 2 : Sample out line of Training Contents. (Welding Technology)

(1) Technical Subject

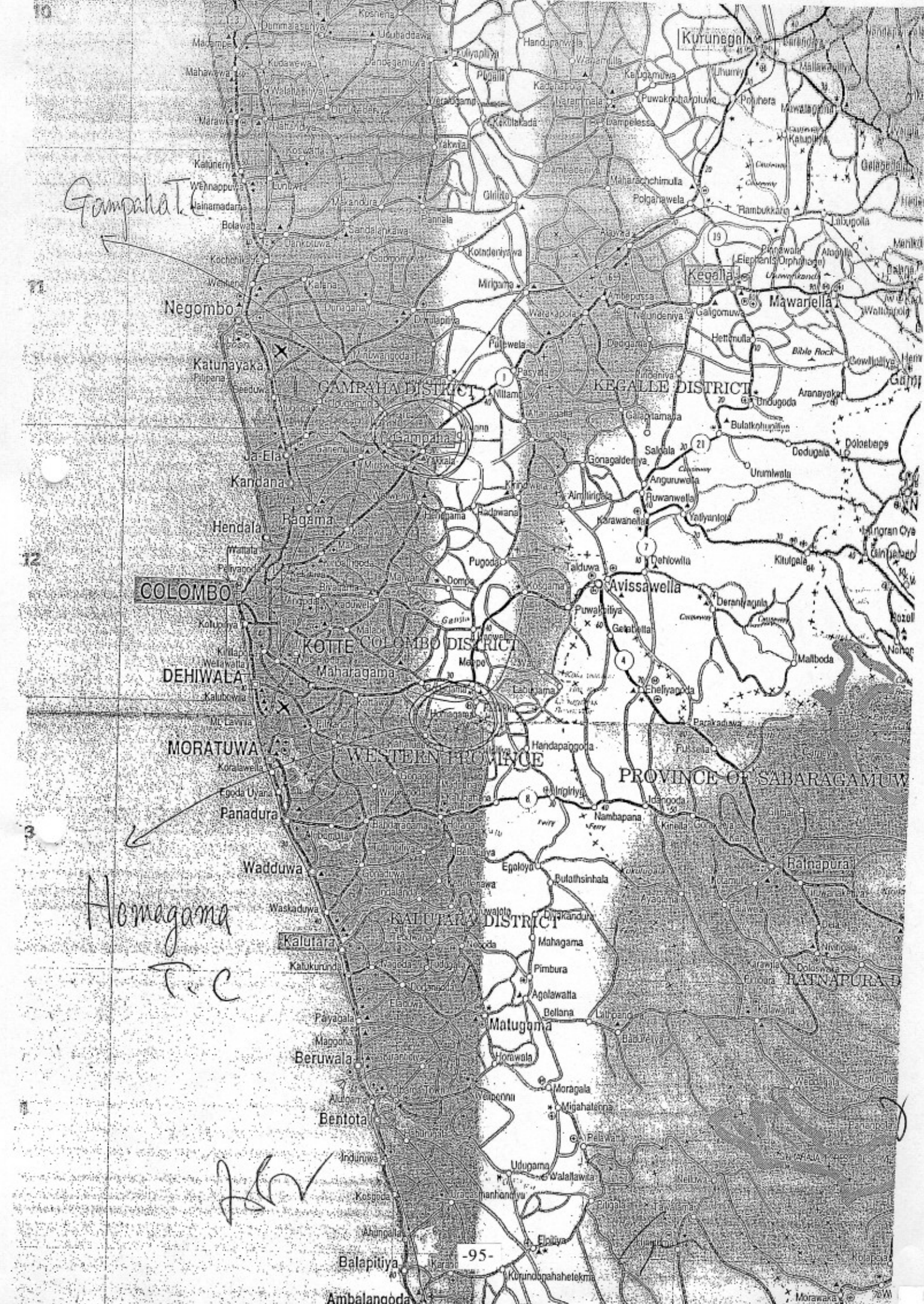
- Welding I (Manual metal arc welding)
  - a. Step of the manual metal arc welding
  - b. Outline of the manual metal arc welding
  - c. Welding train and residual stress
  - d. Protective instrument
  - e. Coated electrodes
  - f. Welding procedure
- Welding II (Gas welding and cutting)
  - a. Oxygen gas acetylene
  - b. Acetylene gas welding equipment
  - c. Gas welding rod and flux
  - d. Outline of the gas welding
  - e. Gas cutting
  - f. Brazing
- Welding III (Automatic and semi-automatic arc welding)
  - a. Principle and characteristic of welding
  - b. Principle and characteristic of welding equipment
  - c. Welding procedure
- Metal materials
  - a. Introduction
  - b. Iron and steel
  - c. Non-ferrous
  - d. Non metal materials
- Electrical
  - a. Basis of electrical
  - b. Motor
  - c. Switch
  - d. Electric accident
- Design and drawing
  - a. Basis of drawing
  - b. Production drawing
  - c. Sketching
  - d. Drawing of mechanical components
  - e. Welding design
- Safety and healthy
  - a. Safety ruler
  - b. Prevention of accident

(2) Practical Subject

- Welding I (Manual metal arc welding)
  - a. How to prepare the manual metal arc welding equipment
  - b. How to generate arc
  - c. How to adjust the current
  - d. Welding of flat position
  - e. Welding of vertical position
  - f. Welding of horizontal position
  - g. Welding of over-head position
  - h. Pipe welding of all position
- Welding II (Gas welding and cutting)
  - a. How to prepare the oxygen-acetylene gas welding equipment
  - b. How to handle the oxygen-acetylene gas welding blowpipe
  - c. How to clear the oxygen-acetylene gas welding equipment
  - d. Welding of flat position
  - e. Welding of vertical position
  - f. Welding of horizontal position
  - g. Welding of horizontal position
  - h. How to handle the oxygen-acetylene gas cutting blowpipe(manual type)
  - i. How to cut the plate
  - j. How to handle the automatic oxygen-acetylene gas cutting machine
- Welding III (Co<sub>2</sub> and MAG arc welding)
  - a. How to prepare the Co<sub>2</sub> and MAG arc welding equipment
  - b. How to generate arc
  - c. How to adjust the current
  - d. Welding of flat position
  - e. Welding of vertical position
  - f. Welding of horizontal position
  - g. Welding of over-head position
  - h. Pipe welding of all position
- Welding IV (TIG and MIG welding)
  - a. How to prepare the TIG and MIG arc welding equipment
  - b. How to generate arc
  - c. How to adjust the current
  - i. Welding of flat position
  - j. Welding of vertical position
  - k. Welding of horizontal position
  - l. Welding of over-head position
  - m. Pipe welding of all position

- Fundamental practice of measurement
  - a. Measurement
  - b. Marking-off
  - c. Chipping
  - d. Cutting
  - e. Filling
- Safety and healthy
  - a. Check of the tools
  - b. Keep clean
  - c. Check of the each machine

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Gampaha T.C.

COLOMBO

MORATUWA

Homagama T.C.

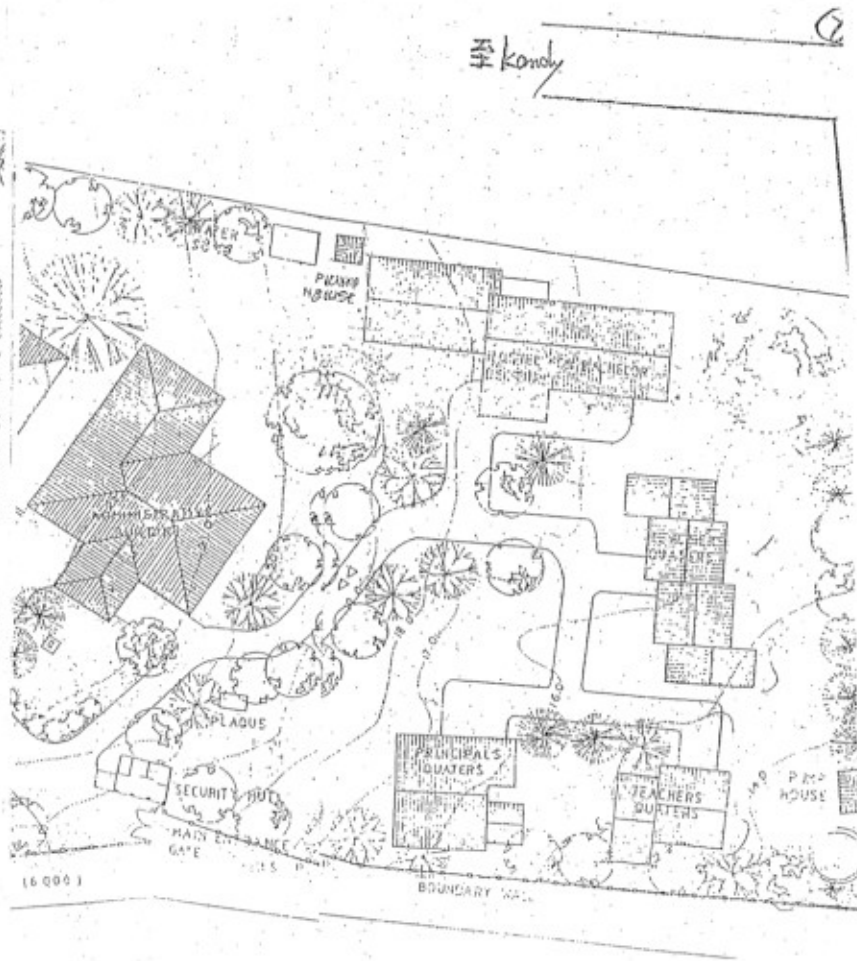
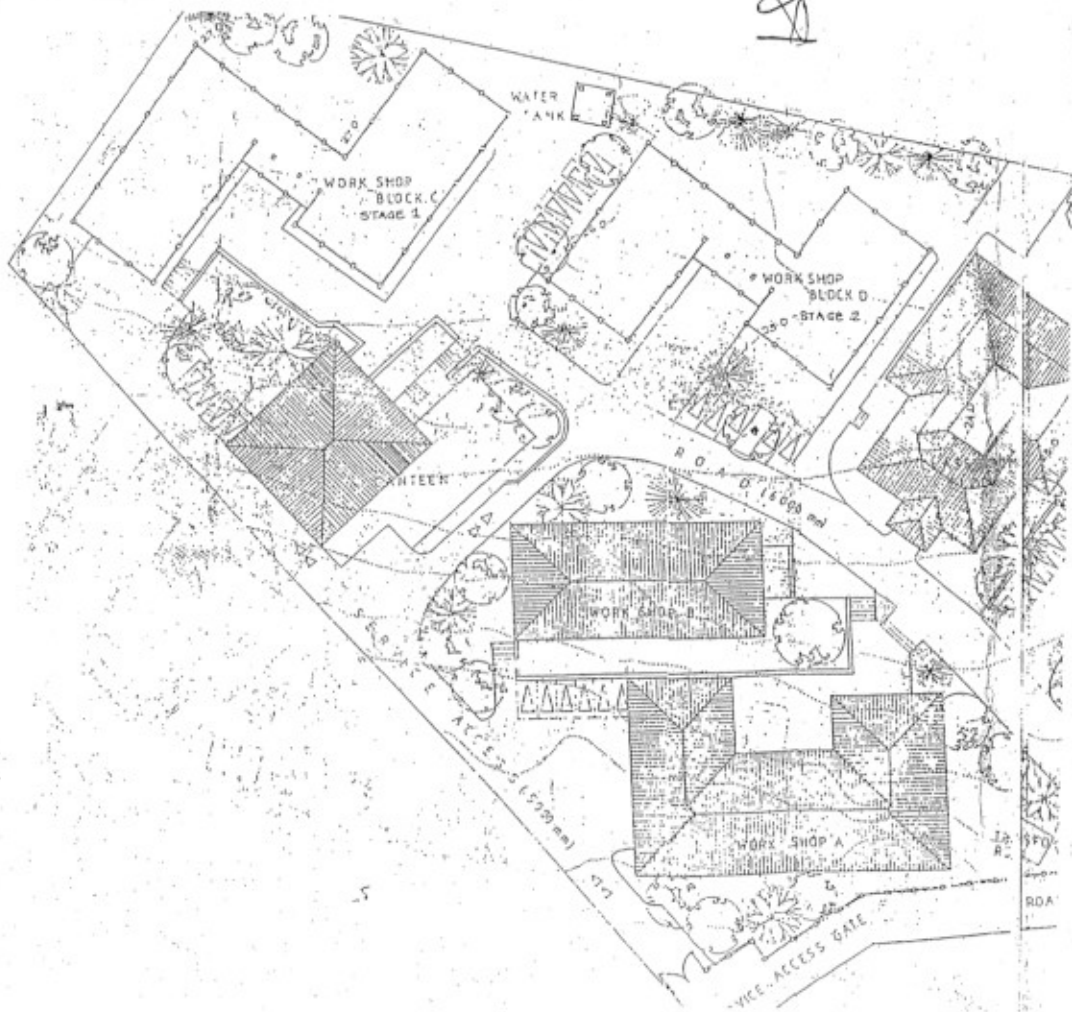
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Gampaha T.C

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Technical College - Gampaha  
New Building Site

Floor Areas of Buildings

*Class Room Block - Construction Completed*

1<sup>st</sup> Floor - No of Class Rooms - 5 Nos.

Class Room 1	-	50m <sup>2</sup>
Class Room 2	-	54m <sup>2</sup>
Class Room 3	-	54m <sup>2</sup>
Class Room 4	-	54m <sup>2</sup>
Class Room 5	-	54m <sup>2</sup>

2<sup>nd</sup> Floor - No of Class Rooms - 5 Nos.

Class Room 6	-	50 m <sup>2</sup>
Class Room 7	-	54 m <sup>2</sup>
Class Room 8	-	54 m <sup>2</sup>
Class Room 9	-	54 m <sup>2</sup>
Class Room 10	-	54 m <sup>2</sup>

*Block C - Construction Completed*

1<sup>st</sup> Floor

Machinist Training Workshop	-	357.5 m <sup>2</sup>
Welding Training Workshop	-	357.5 m <sup>2</sup>

2<sup>nd</sup> Floor

Electrical Workshop	-	357.5 m <sup>2</sup>
Refrigeration and Air Conditioning Workshop	-	357.5 m <sup>2</sup>

*Block D - Construction progressing*

1<sup>st</sup> Floor

Plumbing workshop	-	286.0 m <sup>2</sup>
Building Trades Workshop	-	286.0 m <sup>2</sup>

2<sup>nd</sup> Floor

Information Technology Training Centre	-	286.0 m <sup>2</sup>
Electronic Training workshop	-	286.0 m <sup>2</sup>

General 7/10

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Continuation .....

[Technical College - Gampaha  
New Building Site

Floor Areas of Buildings]

*Block A - Future Construction, included in the main Building Plan*

1<sup>st</sup> Floor

Automotive Training Workshop - 491.4 m<sup>2</sup>  
and Service Station - 102.6 m<sup>2</sup>

2<sup>nd</sup> Floor

Hall for general purpose - 491.4 m<sup>2</sup>

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*Block B - Future Construction, included in the main Building Plan*

1<sup>st</sup> Floor

Woodwork Training Workshop - 299.0 m<sup>2</sup>

2<sup>nd</sup> Floor

Aluminium Work Training Workshop - 299.0 m<sup>2</sup>

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*Administrative Block - Future Construction, included in the main Building plan*

*Canteen Block - Future Construction, included in the main Building plan*

*Principals' quarters,  
Teachers' quarters - Future Construction, included in the main Building plan*

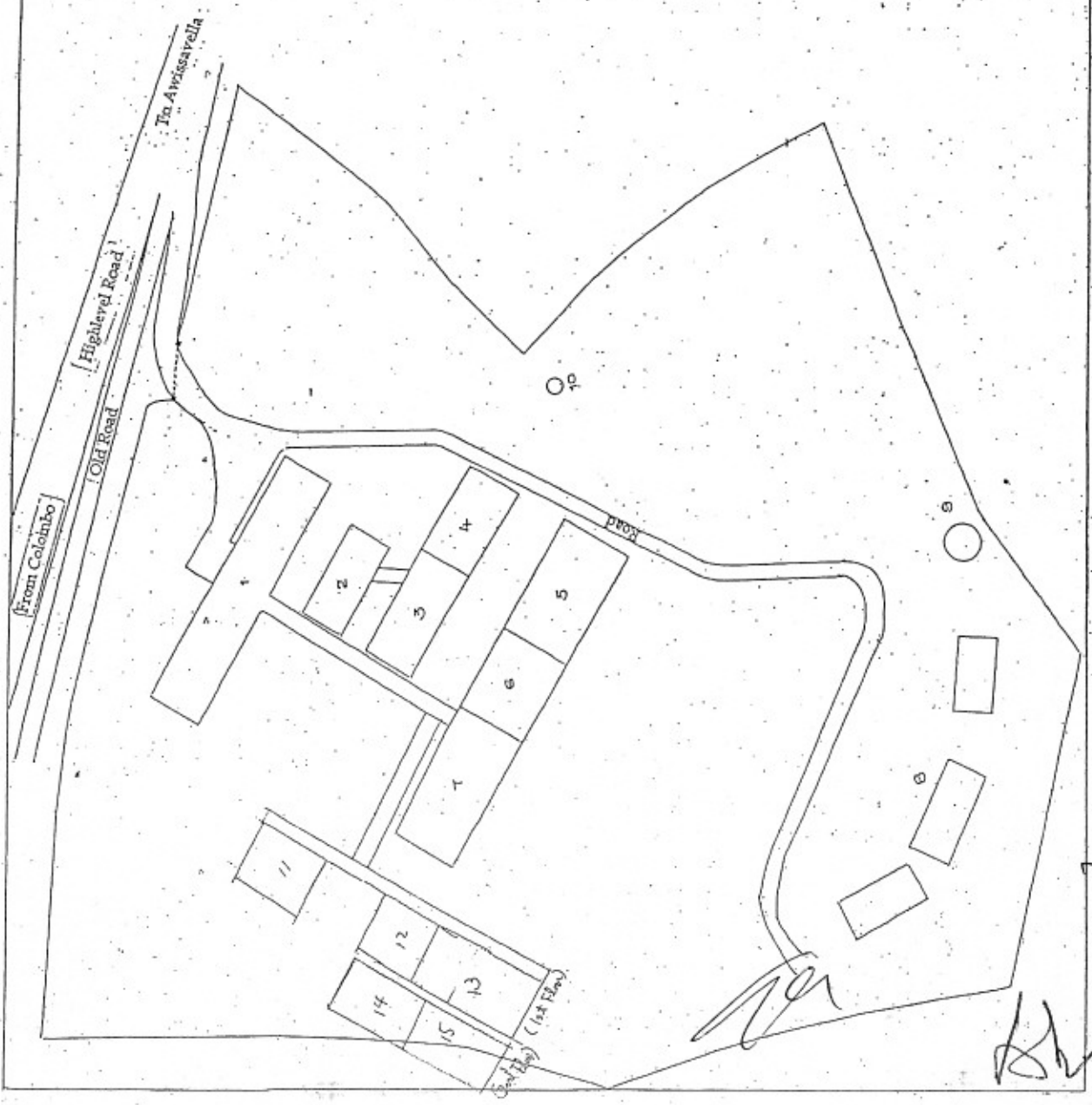
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# Homagama T.O

## Lay out Plan of Technical College - Homagama

1. Administration Block
2. Typing Room
3. Electrical Section
4. Motor Mechanic Section
5. Machine Section
6. Welding Section
7. Wood Works Section
8. Quarters
9. Water Tank
10. Well
11. Laboratory
12. Land scape
13. Library
14. Design & Drawing
15. Lecture Room

(參考)  
 總面積：約 28,274 m<sup>2</sup> (168m x 168m)  
 (8,568 坪)



(27) Each constructions area:

Please fill in data the above mentioned training courses

① Main office (administrations)	208	m <sup>2</sup>
A Office room	76	m <sup>2</sup>
B Director room	56	m <sup>2</sup>
C Reception room	56	m <sup>2</sup>
D Conference room	-	m <sup>2</sup>
E Library	135	m <sup>2</sup>
F Printing room	-	m <sup>2</sup>
G Toilet	60	m <sup>2</sup>
H Storage	130	m <sup>2</sup>
② (welding ) training work shop	180	m <sup>2</sup>
③ (machine ) training work shop	390	m <sup>2</sup>
④ (woodwork ) training work shop	299	m <sup>2</sup>
⑤ (electrical) training work shop	165	m <sup>2</sup>
⑥ (masonry ) training work shop	121	m <sup>2</sup>
⑦ ( Motor ) training work shop	209	m <sup>2</sup>
⑧ Canteen	99	m <sup>2</sup>
⑨ Generator storage	-	m <sup>2</sup>
⑩ Trainees dormitory	-	m <sup>2</sup>
⑪ Official Cars garage	24	m <sup>2</sup>
⑫ Parking area	44	m <sup>2</sup>
⑬ Playground	360	m <sup>2</sup>

(28) Please tell us how to supply electric and water.

- ① Electric supply way : (by electric power supply network system , by generators, others )
- ② Water supply way : (by water supply network system , by water tank, others)
- ③ Do you have any problems regarding electric and water supply? No Problems.

*Handwritten signatures and initials:*  
L.S.  
J.S.W.  
J



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எனது இல.  
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Your No.

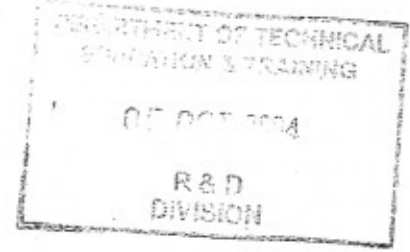
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தீர்மானம் கல்வி, தொழில் பயிற்சி மற்றும் தொழில்நுட்ப கல்வி அமைச்சு  
திறனாய்வு, தொழில்நுட்ப கல்வி அமைச்சு  
MINISTRY OF SKILLS DEVELOPMENT, VOCATIONAL AND TECHNICAL EDUCATION

தீர்மானம் கல்வி, தொழில்நுட்ப கல்வி அமைச்சு, 354/2, எலிவிதலா மாவட்டம், கொழும்பு 05.  
திறனாய்வு பிரதான செயலாளர் அலுவலகம், 354/2, எலிவிதலா மாவட்டம், கொழும்பு 05.  
Skills Development Secretariat, 354/2, Elvitigala Mawatha, Colombo 05.

දානය  
திகதி  
Date

My no:4/2/2/4/E-4  
05.10.2004



Director General,  
Department of Technical Education & Training.

**Meeting held with the JICA Mission on 1<sup>st</sup> October 2004 at 3.30 p.m**

As decided at the above meeting, I forward herewith a note on the status of proposed donor funded projects on TEVT and you are kindly requested to submit same to the Team Leader, of the JICA Mission.

*Nilanthi Sugathadasa*

**Nilanthi Sugathadasa**  
Director (Planning)  
For Secretary

*Sen & Raw*

## CURRENT STATUS ON PROPOSED DONAR FUNDED PROJECTS ON TEVT

### PREAMBLE

In Sri Lanka, the university system could accommodate only a small percentage (3%) of the qualified students of the age cohort who come out of the general education system. The balance, which is about 97 percent seek tertiary level educational prospects in the Technical Education and Vocational Training (TEVT) sector. However, due to apparent poor recognition and difficulty in securing appropriate employment opportunities, the youth are rather reluctant to pursue training opportunities in this field. In order to overcome these constraints, the Ministry of Skills Development, Vocational and Technical Education (MSDVTE) has devised strategies to develop career paths for the youth from craft level and middle level up to degree level enabling the trained youth in this field to obtain employment opportunities locally and overseas.

### BACKGROUND


2. At present, there are 36 Technical Colleges (TCs) established all over the country. Most of these TCs offer Certificate level courses in different fields. The Diploma level programmes conducted are limited to two in number. Hence, it has become important to upgrade some of the selected TCs to attract the youth even from craft level upto diploma level which is level 6 of the National Vocational qualification (NVQ) system. Accordingly, the following TCs from each of the 9 provinces of Sri Lanka have been identified to be developed as Colleges of Technology (COTs).

- |                          |                              |
|--------------------------|------------------------------|
| * Western Province       | - Maradana TC or Homagama TC |
| * Central Province       | - Kandy TC                   |
| * Southern Province      | - Galle TC                   |
| * Northern Province      | - Jaffna TC                  |
| * North Western Province | - Kurunegala TC              |
| * Uva province           | - Badulla TC                 |
| * Sabaragamuwa Province  | - Ratnapura TC               |
| * North Central Province | - Anuradhapura TC            |
| * Eastern province       | - Ampara TC                  |

3. Once these 9 TCs are developed as COTs, they will be functioned as Resource Centres making available links with the other TCs located in the respective provinces. Out of above 9 TCs, Jaffna TC in the Northern Province has been earmarked to be developed as one of the COTs under the Technical Assistance of the government of Korea (KOICA). The Asian Development Bank (ADB) has already confirmed the provision of financial assistance to develop technical education during the year 2006 and would concentrate more on development of infrastructure facilities.

4. Furthermore, the MSDVTE has taken action to establish a University of Vocational Technology (UNIVOTECH) as an alternative path solely for TEVT system which is capable of attracting high quality students who have aptitude and higher social acceptability to the courses aspiring university level education.

5. In the case of **Western Province**, there are 4 TCs located ie. Maradana, Ratmalana, Homagama and Gampaha.



## STATUS OF TC,GAMPAHA

6. During August 2003, the HRD Korea has carried out a feasibility study on establishment of a COT in Sri Lanka. The location identified for the purpose was a land located at Werellawatta, Gampaha where the TC, Gampaha is located. Based on the feasibility report, a detailed project proposal was submitted to the Department of External Resources seeking financial assistance from the government of Korea to implement the project by the SLIATE . At that time the SLIATE was one of the institutions under the purview of the MTET. Hence, the proposed Implementation Agency of the COT was the SLIATE. The proposal was recommended by the Department of National Planning and approved by the steering Committee on Human Resource Development for implementation.

7. However, with the change of the administration in April, 2004, SLIATE was not listed under any of the Ministries. Subsequently, the SLIATE was gazetted as an institution under the Ministry of Education. Accordingly, the Ministry of SDVTE informed the ERD that the name of the Implementing Agency of the Gampaha TC which is to be developed with the assistance of the government of Korea be replaced with the Department of Technical Education and Training (DTET).

8. Subsequently, a proposal was submitted by the DTET to the MSDVTE seeking assistance of JICA for Construction and Reform of Technical Education in Sri Lanka. In this proposal, two preferences ie. Gampaha TC and Homagama TC had been indicated as proposed project sites. As the Gampaha TC had already been earmarked to be developed under the assistance of the government of Korea, the Ministry recommended the ERD to consider Homagama TC (second preference) for funding consideration by JICA authorities.

## STATUS OF OTHER TCs IN THE WESTERN PROVINCE

**Maradana TC** -The TC is located in Maradana, in the Colombo city. There is hardly any provision for expansion of the TC. The programmes conducted in the TC are mainly related to the field of Management.

**Ratmalana TC** - No additional space is available for expansion. There is a restriction in putting up of high rise buildings in the area due to close proximity to the domestic Air - Port at ratmalana.

**Homagama TC** - The TC is located in close proximity to Colombo city (45 minutes drive). Due to the location it is easy to attract staff to serve in the TC. Enough space is available for expansion purposes. The TC is located closer to 3 main Industrial estates ie. Sitawake Industrial Park at Avissawella, Templeburge and Katuwana Industrial Estates at Homagama.

GH J  
HAW

9. Considering the above facts, following phases are suggested for consideration by the government of Japan.

**Phase I**

- Develop the Technical College, Homagama as a model Technical College (Japan – Sri Lanka Technical College) .

**Phase II (a)**

- Develop other 8 Technical Colleges (excluding Jaffna TC) as Colleges of Technology.

**Phase II (b)**

- Upgrade Audio Visual Laboratory of NITESL and expand services to start broadcasting which will be an additional facility for distance education mode in the TEVT sector.

GG

8 ABW

## RESTRUCTURING OF TECHNICAL COLLEGES

### **Background:**

The 36 Technical Colleges existing in Sri Lanka are presently classified as grade I Technical Colleges irrespective of number of courses, student population, staffing and infrastructure facilities. Certain Technical Colleges have around 800 or 900 students, while others have less than 100 numbers. The same problem has arisen with staffing too. This anomaly has caused many hardships in the entire Technical Education System. At the moment there is no clear strategy in the Department to develop this network of colleges taking into consideration the socio - economic realities, fast changing technologies and management Practices. This situation necessitates us to review the existing situation in depth and come up with a workable model that can effectively meet the future challenges.

### **Objectives:**

- 1) To develop Technical College System on a rational basis enabling students to pursue their studies within a well organized, better structured laddering arrangements.
- 2) Increase access to Technical Education in its true sense by providing quality Technical Education and provide students value for their time and money.
- 3) Positioning Technical Education as an appropriate and acceptable alternative path to Education.
- 4) Allocation of limited resources to Colleges on a well prioritized basis to ensure optimal utilizations.
- 5) Provide an administrative environment for innovative partnership among College network facilitating better resource sharing.

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Viz:

Proposed 09 Colleges of Technology will be managed by SLTES Class I Directors. They will be assisted by SLTES Class I Additional Directors. Administrative and academic matters to be handled by both the Director and the Additional Director.

17 Centres of Grade I TCC will be manned by SLTES Class I Officers whose designation would be Additional Directors.

The other 10 colleges coming under column 5 above to be categorized as Grade II Technical college. The heads of these institute to be called Deputy Director and they will belong to class II of the SLTES General Carder. All these 10 colleges would be affiliated to Grade I Technical Colleges and they will come under the purview of Directors of these Grade I Technical Colleges.

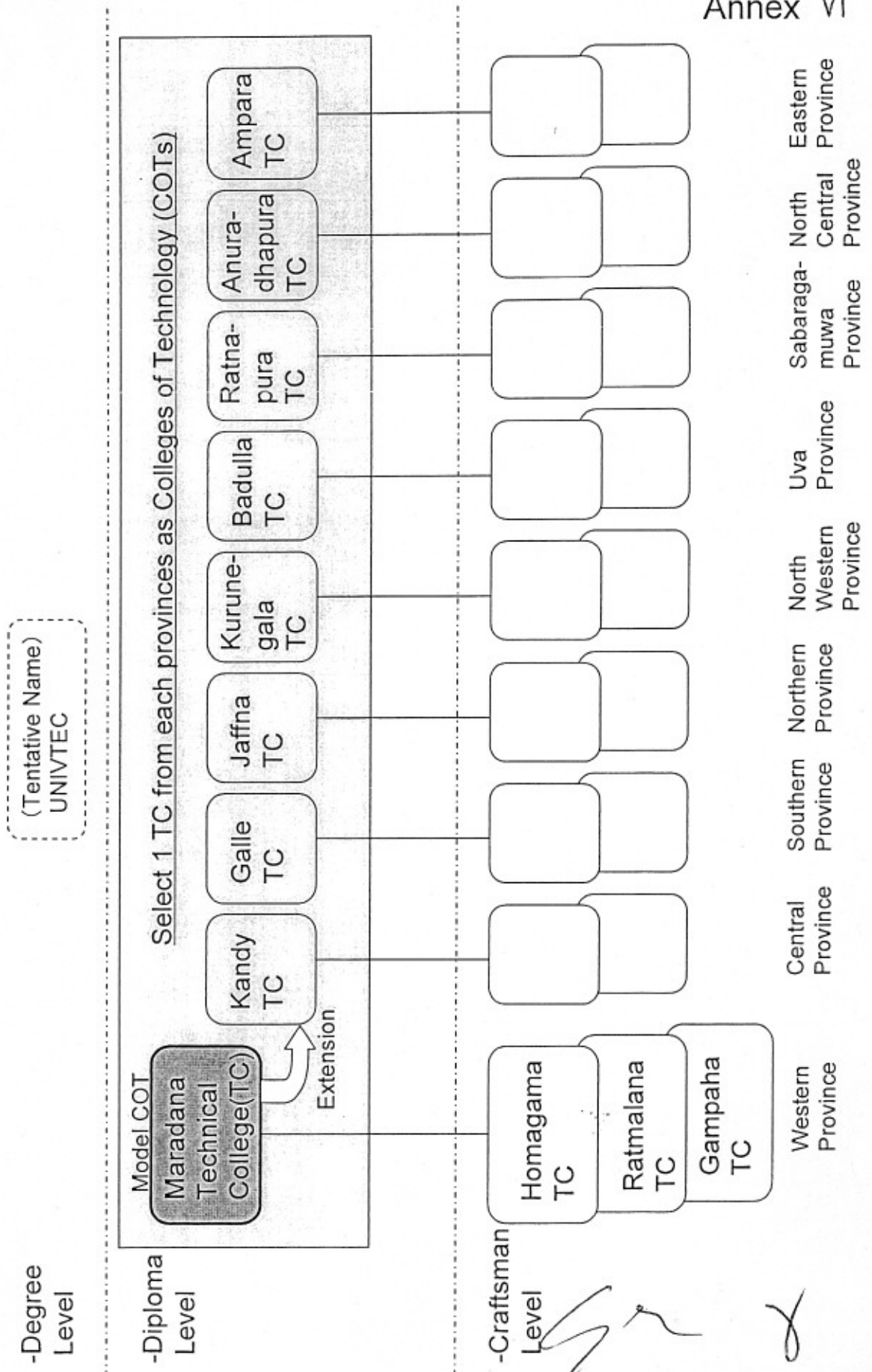
Approved cadre provision in SLTES I is 45. Thirty Six for Technical Colleges, 04 Zonal Directors, 05 in the DTET. If there is any move to suppress these posts, there will be strong resistance from SLTES officers. Hence it is suggested instead of suppressing them, to increase one number in the Zonal System. Thus making it as 5 Zonal Directors.

**Zonal Arrangement for Supervision**

These five Zonal Directors will supervise and monitor the activities of Technical Colleges coming under their purview. Since the inception of Zonal System no attempt has been initiated to strengthen them as an effective viable units. The basic Principle in introducing the zonal system was to have a decentralized system that can ensure smooth administrative system with certain decision making powers. The present zonal system is having a lot of weaknesses and measures will be taken to remedy them. The proposed zonal system will consist of 05 Zonal Directors. The annexure shows how the zones will be demarcated in accordance with the 09 provinces district wise in the alternative.

*[Handwritten signatures]*

# New Technical Education Laddering System for the Institutionalization of the Proposed Unified National Vocational Qualification Framework



2. 調査日程

スリランカ職業訓練強化計画技術調査日程及び主な訪問先

日程	活動内容	備考
9月29日(水)	・成田→コロombo(全員)	
9月30日(木)	AM 現地 ODA タスクフォース PM 大蔵省国家開発計画局訪問 技術教育訓練局(DTET)協議	
10月1日(金)	AM DTET 協議 PM HRCD、TVEC、技能開発・職業訓練・技術教育省 (MSDVTE)訪問	
10月2日(土)	AM プロジェクト予定短大視察(ガンパハ短大) PM プロジェクト予定短大視察(ホマガマ短大)	
10月3日(日)	終日 資料整理	
10月4日(月)	AM NAITA、VTA 訪問 PM NIBM、NITESL 訪問	
10月5日(火)	AM 労働外国雇用省訪問 PM ADB 訪問	
10月6日(水)	AM MSDVTE 大臣表敬 PM プロジェクト予定短大視察(マラダナ短大)	
10月7日(木)	AM 現地 ODA タスクフォース報告 PM ミニッツ署名	
10月8日(金)	日本大使館、JICA 事務所報告 深夜 コロンボ→成田(官団員)	
10月9-10日	資料整理	
10月11日(月)	(以下コンサルタント調査) DTET,産業省訪問	
	技術教育調査	労働市場ニーズ調査
10月12日(火)	Engineering Association, DTET 訪問	FCCISL, BOI 訪問
10月13日(水)	コロombo大学プロジェクト、DTET 訪問	
10月14日(木)	DTET 訪問	企業訪問(自動車等)
10月15日(金)	DTET 訪問、大使館報告	企業訪問(タイヤ)、大使館報告
10月16-17	資料整理	
10月18日(月)	商業省訪問、DTET 指導員イン タビュー	企業訪問(木工)、報告書作成
10月19日(火)	DTET 指導員インタビュー	企業訪問(宝石加工等)
10月20日(水)	報告書作成、DTET 打合せ	企業訪問(空調、ホテル等)
10月21日(木)	DTET 所有機材調査、打合せ	報告書作成
10月22日(金)	報告書作成、JICA 事務所報告	深夜コロombo発

### 3. 主要面談者リスト

#### 1) Ministry of Skills Development, Vocational and Technical Education (MSDVTE)

Prof. Dayantha S.Wijeyesekera Secretary  
Mrs. Nilanthi Sugathadasa Director, Planning

#### 2) Department of Technical Education and Training (DTET)

Mr. P. Kodituwakku Director General  
Mr. H.N. Ratnasiri Counterpart Officer to Expert  
Mr. K.R. G. Gunasinghe Director, R&D  
Mr. L.M. Gunasinghe Director, ILECGC  
Mr. R.L. Payaweera Director, Academic  
Mr. G. Shammugarajah Director, Infrastructure Development  
Mr. P.F. Maxworth Director, Supplies and Services  
Mr. I.P. Jayasinghe Director, Examinations  
Mr. N.G. Jayaweera Head, Curriculum Development  
Mr. A.D.A. Mahinda Dy. Director, R&D  
Mr. K.D.P. Weerasinghe Dy. Director, Human Resources Development

#### 3) Human Resource Development Council (HRDC)

Mrs. Chitra Karunaratne Director

#### 4) Technical and Vocational Education Commission (TVEC)

Dr. T.A. Piyasiri Director General  
Mr. P.C.P. Jayathilake Director, Planning & Research

#### 5) National Apprentice & Industrial Training Authority (NAITA)

Mr. P.W. Seneviratne Chairman  
Mr. K.W.J. De R.Perera Director, Planning & Development  
Mr. B.H.S. Suraweera Director, Training  
Mr. P.N.K. Dias Director/Principal, Automobile Engineering  
Training Institute  
Mr. Lal Godewithanage Director/Principal, Technical Training Institute  
Mr. P.L.A. Jayasinghe Director/Principal, Apprenticeship Training Institute

#### 6) Vocational Training Authority (VTA)

Mr. Lionel Pinto Chairman/CEO

#### 7) National Institute of Business Management (NIBM)

Mr. I. Baratha Dodankotuwa Chairman  
Mrs. Chitra Karunaratne Acting Director General  
Mr. S.C. Kaluarachchi Director, Management Development  
Mr. C. Gunadasa Director, Management Information System

#### 8) National Institute of Technical Education of Sri Lanka (NITESL)

Mr. K.A.H. Kalugampitiya Director General

9) Department of External Resources, Ministry of Finance

Mr. J.H.J.Jayamaha

Additional Director General

Mr. Mapa Pathirava

Director, Japan Division

Mr. Anarda Wijayarathne

Assistant Director, Japan Division ation System

4 . 職業訓練強化技術調査 資料リスト ( 収集資料/ 専門家作成資料 )

番号	資料の名称	形態(図書、ビデオ、 地図、写真等)	収集 資料	専門家 作成資料	JICA作 成資料	テキスト	発行機関
<b>[I]</b>	<b>[National Technical and Vocational Education Sector]</b>						
1	Prospectus 2005	コピー					TVEC
2	Prospectus 2002	図書					TVEC
3	Sri Lanka National Quality Award,2004	図書					TVEC
4	Prospectus 2000	パンフレット					NITESL
5	National Institute of Technical Education of Sri Lanka	コピー					NITESL
6	National Quality Award,Oct/2004, Research & Development, Finance and Training	コピー					NITESL
7	Skilled manpower; the Vital Resource	コピー					NITESL/Apprenticeship Training Institute
8	The Project for Improvement of Automobile Engineering Training Institute for Japanese Grant Aids	コピー					NITESL/Automobile Engineering Training Institute
9	The Project for Improvement of Automobile Engineering Training Institute for Technical Cooperation	コピー					NITESL/Automobile Engineering Training Institute
10	Work Programme 2005	コピー					HRDC
11	Performance, 2003	図書					Ministry of Tertiary Education and Training
12	Career Guidance and Counseling Operation Manual	コピー					Ministry of Tertiary Education and Training
13	Computer Network Technician Curriculum Document	図書					NITESL
14	National Certificate In Technology, Mechanical Engineering, Third Year (Three Year Part Time Course)	図書					NITESL
15	National Certificate In Technology, Mechanical Engineering, First Year (Three Year Part Time Course)	図書					NITESL
16	National Certificate In Engineering Craft Practice, Wood Machinist(One Year Full Time),	図書					NITESL
17	National Certificate In Engineering Craft Practice, Fitter Machinist(Two Year Full Time),	図書					NITESL
18	National Certificate In Technology, Mechanical Engineering, Second Year (Three Year Part Time Course)	コピー					International Labour Office
19	Quarterly Report of the Sri Lanka Labour Force Survey, Second Quarter 2002	図書					Department of Census & Statistics
20	Sri Lanka Statistical Data Sheet, 2002	パンフレット					Department of Census & Statistics
21	ICTAD, Profile	パンフレット					Institute for Construction Training and Development Sri Lanka
22	Construction Equipment Operation and Maintenance Training in Sri Lanka	パンフレット					Institute for Construction Training and Development Sri Lanka
23	Dropout Survey Sheet by NHRDC	コピー					NHRDC
<b>[II]</b>	<b>[DTET &amp; Technical College ]</b>						
24	Prospectus 2002/2003	図書					DTET
25	Administration Report of the Director General of the Department of Technical Education and Training,2001	コピー					DTET
26	Parliament of the Democratic Socialist Republic of Sri Lanak, Tertiary and Vocational Education( Amendment) Act, No.50 Of 1999	コピー					Gazette of the Sri Lanka
27	Industrial Liaison, Year 2000	コピー					DTET
28	Appointmet to the Industrial Liason Committee at Technical College and Audit Report	コピー					DTET
29	Institutional Auditing-Journal	コピー					DTET
30	Minister's Executive Order	コピー					MSDVTE
31	Academic Staff Listing	コピー					DTET
32	Annual Performance Report, 2002	コピー					DTET

番号	資料の名称	形態(図書、ビデオ、 地図、写真等)	収集 資料	専門家 作成資料	JICA作 成資料	テキスト	発行機関
33	MIS PC System Configuration	コピー					SDP/DTET
34	Examination/Results of Examinations	コピー					DTET
35	Meeting held with the JICA Mission on 1st /Oct/2004	コピー					MSDVTE/Nilanthi Sugathadasa
36	Budget Allocation for year 2004 under the SDP CG & Centers of DTET	コピー					DTET
37	Restructuring of Technical College	コピー					DTET
38	Establishment of a College of Technology	コピー					MSDVTE
39	Technical Education and Vocational Training Reforms/Policies, Strategies and Action Programmes,	コピー					MSDVTE
40	Curriculum Outline Document/Trade Computer Hardware Technician	コピー					NITESL/SDP
41	TC Final Examination-December 2003(Mechanical Engineering, Electrical & Electronics Engineering , English Language)	コピー					DTET
42	Head-714-DTET/Budget	コピー					DTET
43	Information for Basic Survey Mission	コピー					DTET
44	Technical College Final Examination-2002	コピー					DTET
45	Statistical Handbook on Technical Education, 2002	図書					DTET
46	Statistical Handbook on Technical Education, 1998	図書					DTET
47	Statistical Handbook on Technical Education, 1997	図書					DTET
48	Statistical Handbook on Technical Education, 2003	図書					DTET
49	Statistical Handbook on Technical Education, 2001	図書					DTET
50	Sinhara Textbook/JICA	図書					DTET
51	National Certificate in Secretarial Practice(English)/JICA	図書					DTET
52	Details on Student Enrolled/Dropped/Completed-2003	コピー					DTET
<b>[III]</b>	<b>[Technical College]</b>						
53	TC Building and Infrastructure	コピー					DTET
54	List of Equipment	コピー					DTET
<b>[ ]</b>	<b>[Labor Technical Training]</b>						
55	Employment Policy for Sri Lanka	図書					Ministry of Employment and Labour
56	Draft National Productivity Policy for Sri Lanka : Public Sector Component	図書					Ministry of Employment and Labour
57	Draft National Productivity Policy for Sri Lanka : Private Sector Component	図書					Ministry of Employment and Labour
58	Employment Survey 2002 Sri Lanka	図書					Department of Labour
59	Quarterly Report of the Sri Lanka Labour Force Survey, Fourth Quarter 2003	図書					Department of Census and Statistics
60	Labour Market Information bulletin Volume 01/02	定期刊行物					Tertiary and Vocational Education Commission

番号	資料の名称	形態(図書、ビデオ、 地図、写真等)	収集 資料	専門家 作成資料	JICA作 成資料	テキスト	発行機関
61	Labour Market Information bulletin Volume 02/02	定期刊行物					Tertiary and Vocational Education Commission
62	Labour Market Information bulletin Volume 01/03	定期刊行物					Tertiary and Vocational Education Commission
63	Vocational Education and Training Plan for Food and Beverages Industry	図書					Tertiary and Vocational Education Commission
64	Placement in Employment /Training : Technical College Graduates Who Have Completed Training Programmes - Year 2001	図書					Department of Technical Education and Training
65	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Gas & Arc Welder	図書					Department of Technical Education and Training
66	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Motor Vehicle Mechanic	図書					Department of Technical Education and Training
67	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Fitter Machinist	図書					Department of Technical Education and Training
68	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Plumber	図書					Department of Technical Education and Training
69	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Masornry	図書					Department of Technical Education and Training
70	Technical College Graduates Who Have Completed Training Programmes - Year 2003: National Certificate in Engineering Craft Practice Electronics	図書					Department of Technical Education and Training
71	Tracer Study of Technical College Graduates 1995-1996	図書					Department of Technical Education and Training
72	The National Employment Policy and Young People: The Youth Employment Challenge in Sri Lanka (Final)	コピー					International Labour Office
73	Jobs-Net for Gainful Employment	ブローシャ セット					Ceyron Chamber of Commerce
74	NIBM Prospectus 2004	CD-ROM					National Institute of Business Management
[ ]	[Industries]						
75	Creating Our Future , Building Our Nation	コピー					Ministry of Finance
76	Organization Chart, Ministry of Industry and Investment Promotion	ペーパー					Ministry of Industry and Investment Promotion
77	Action Plan	ペーパー					Ministry of Industry and Investment Promotion
78	BOI 投資促進資料一式	ブローシャ セット					Board of Investment of Sri Lanka
79	2004 スリランカ日本商工会名簿	ペーパー					スリランカ日本商工会事務所
80	スリランカ「観光基盤整備事業のための案件形成調査」最終報告書	コピー					国際協力銀行 / 日本旅行業協会