

NATIONAL TRANSPORT RESEARCH CENTRE

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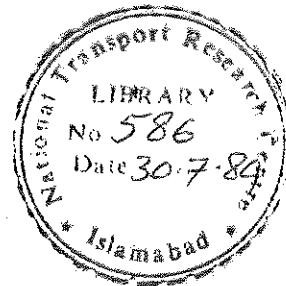
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REPORT ON
EIGHTH PLANNING COMMISSION COURSE
ON
TRANSPORTATION PROJECTS PLANNING
(November - December, 1986)

NTRC-97

NAEEM ULLAH,
ASSISTANT CHIEF,
COURSE ORGANIZER.

December, 1986



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1. BACKGROUND AND INTRODUCTION:

Among the infrastructures which should precede any developmental planning in a developing country, the laying of well planned network of its communication system providing an easy flow to its transportation needs should as a matter of principle receive the highest priority. A major problem which however affects the developing countries is the insufficient attention accorded to the proper planning of developing its transport sector, inadequate planning in this particular field has had significant impact on the rest of the multifarious developmental activities in one way or the other, often time adding up to their costs, besides retarding their rate of progress.

Recognizing the deficiencies in the project planning capabilities in the field of transport, a series of four Transport Project Planning Courses were organized by the Planning Commission with the assistance of Economic Development Institute of World Bank from 1976 to 1979. These courses had a very positive effect on the quality of project preparation and appraisal.

Due to some unavoidable circumstances, the courses could not be continued after 1979. In 1983, after a laps of 4 years, it was decided to reactivate this programme. However by that time Economic Development Institute was no longer able to extend any material help, and as a result the Fifth, Sixth, Seventh and Eighth Courses were organized entirely with own resources. The Eighth Course was elevated/organized at Regional Level and the future Transportation Courses are open to the OIC/SAARC Member countries.

at the national level the forms were sent to the agencies by 15th June, 1986. The closing date for nominations were 31st July and 20th August, 1986 respectively. By due dates 28 nominations from 20 different agencies were received (Annex-VI). Out of 28 nominations only 17 participants could attend the Course. Particulars of the participants and their respective organizations may be seen at Annexure VII.

3. COURSE DESCRIPTION AND NATURE:

The main objective of the course was to assist the various agencies concerned with transport to improve the quality of planning and operations of the various transport modes so that such sector would make a substantial contribution to the achievements of national development goals.

The course was designed for officers who held important posts in fields related to transportation. The participants of the course were supposed to make important decisions in their respective fields. To make extensive use of the course the Centre was to choose such topic that would improve the general standard of planning, design, construction and maintenance of transport projects. This objective was met by selecting the topics that covered all modes of transport. However, the concentration was on road projects which remain par excellence of all other modes.

The course introduced the participants to the techniques of Cost-Benefit Analysis through various work exercises and practical case studies pertaining to investments in roads, road transport, railways, inland water-ways, ports, shipping and civil institutional and management aspects of

transport planning. This included project execution economic and financial analysis for non-specialists; and technological trend in transport, etc.

4. PARTICIPANTS:

All the participants who attended the course held responsible positions in their respective departments such as Pakistan International Airlines, Pakistan National Shipping Corporation, Karachi Port Trust, Capital Development Authority, National Engineering Services Ltd, Railway, Government Transport Peshawar, Port Qasim Authority, Transport Directorate of G.H.Q., National Logistic Cell, National Highway Board, Local Government and Rural Development (Muzaffarabad) and Land Transport office (Bhutan). The list may be seen at Annexure-VII.

5. COURSE SCHEDULE:

The course schedule was planned for four weeks and three days of lectures followed by 8 days of field visits to Lahore and Karachi. A copy of the course schedule may be seen at Annexure-VIII.

6. VENUE:

The course was held at the National Transport Research Centre Islamabad. The Lectures were held in the hall of National Transport Research Centre where special arrangements were made for the Course.

7. TIMINGS:

The Course had three lecture sessions of two hours each on all working days commencing from 0830 hours and finishing at 1630 hours with break for lunch and Zohr prayers.

8. SPEAKERS:

The course covered 66 lectures related to various topics of transportation projects e.g. on roads, road transport, Railways, Ports, aviation etc. These 66 lectures were delivered by 32 speakers. NTRC, as usual has been quite selective about the persons who deliver these lectures in their own specialised fields. The 32 speakers including two foreign experts have been well reputed both for their qualifications and experience and holding high positions in their respective fields, some of them being the head of their own departments. As we could see the candidates benefited a great deal from the enlightened view put forth before them by the guest speakers as well as the Centres own experts.

A list of speakers alongwith the topics they covered is shown at Annexure-IX.

9. COURSE MATERIAL:

The course material was entirely provided by the National Transport Research Centre. In this context the various studies carried out by the National Transport Research Centre proved specifically to be of significant value in the identification and better understanding of the problems. A list of NTRC's publications was kept in the lecture hall during the course. Several publications were distributed among the participants. A list of the material prepared and

distributed among the course participants may be seen at Annexure- X.

10. SOCIAL FUNCTIONS:

A number of social functions were arranged for the course participants. The two fold purpose of such functions is to provide some recreation to the participants and to establish a better rapport among them. These functions helped them in getting an opportunity to discuss the topics related to the course in an informal manner. The functions, of course, proved to be helpful in achieving the objectives of the course. The details of social functions may be seen at Annexure-XI.

11. FIELD VISITS:

This centre had been organizing some field visits at the end of each course. In the previous courses NTRC had arranged for one week field visits but the participants of these courses had suggested a period of more than one week for field visits. Therefore, in the light of past experience/ a number of field visits were arranged in order to acquaint the participants (i) with the working of the various types of organizations related to transportation (ii) give them a chance to come in contact with those persons who are at the helm of affairs in such organizations so that they are in a position to enter into a frank discussion and familiarize themselves with the type of situation and problems that have to be encountered at field levels (iii) in the development of real insight into the actual working of these departments.

Such get together programmes to a great extent help in the development of congenial atmosphere so essential to achieve better understanding and coordination, specially in the overall planning system. A list of field visits may be seen at Annexure-XII.

12. COURSE EVALUATION:

Regular evaluation on weekly basis in respect of every lecture was carried out to keep abreast with the shortcomings which could be rectified immediately. A set of specimen forms used for this purpose may be seen at Annexure-XIII.

13. DOCUMENTATION:

A complete set of the course material that was used for the course and distributed among the course participants has been properly documented and placed in the Library of National Transport Research Centre for future reference.

14. BUDGET:

The details of the expenditure on the course amount to Rs. 111,022.00 may be seen at Annexure-XIV.

15. LIST OF FELLOWS:

Including the 8th course, 185 candidates have so far been trained in Transportation Projects Planning. The list can be seen at Annexure-XV.

GOVERNMENT OF PAKISTAN
PLANNING COMMISSION
NATIONAL TRANSPORT RESEARCH CENTRE

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Telephone: Islamabad 826282
Ref. No: NTRC-15(29)/86.

Cable: PLANCOM
ISLAMABAD

ANNOUNCEMENT OF

EIGHTH PLANNING COMMISSION COURSE ON TRANSPORTATION
PROJECT PLANNING 10TH NOVEMBER TO 12TH DEC., 1986.

The Eighth Planning Commission Course on Transportation Project Planning will be held at Islamabad from 10th November to 20th December, 1986. Federal and Provincial Government Departments, Autonomous and Semi-Autonomous bodies and private consulting engineering firms which are actively associated in planning, design, construction and maintenance of transport facilities are invited to send nominations of suitable candidates for the course.

COURSE OBJECTIVES:

The objective of the course is to assist the various agencies concerned with transport to improve the quality of planning and operations of the various transport modes so that each sector will make a substantial contribution to the achievement of national development goals. In general terms, this objective will be served by improving the analytical and technical skills of the participants in project preparation, appraisal and implementation.

COURSE DESCRIPTION:

The course introduces participants to the technique of cost-benefit analysis through various work exercises and practical case studies pertaining to investments in roads, railways, inland water-ways, ports, shipping and civil aviation. Other topics to be covered include the institutional and management aspects of transport planning and project execution economic and financial analysis for non-specialists; and technological trends in transport, etc.

COURSE APPROACH:

Extensive use is made of case studies, work exercises and discussion workshops to supplement lectures by Planning Commission and other guest speakers. Participants are expected to take an active part in the course by membership on case study teams and by leading discussions. Extensive field visits are also arranged during the course so that the participants may have an actual feel of the real world situation.

REQUIREMENTS OF PARTICIPATION:

This course is designed for officials who hold responsible positions in fields related to transportation. They may have worked as economists, engineers or planners in Ministries of Planning, Finance, Transport and Public Works or in Operating agencies responsible for highways, railways, ports and other transport modes. In evaluating the nominations, the Admissions Committee will take into account the personal qualifications and experience of the applicants and the likelihood of their continued-working on problems related to the planning of transport and/or coordination of transport operations in the future.

The number of participants that can be accommodated in the course is limited to 25. It is expected that the Admissions Committee will have to make their selection from a considerably greater number of applicants. Therefore, candidates should be nominated only if they are fully qualified both by past training and experience and by the relevance of their present work. Participants are normally in the 30-45 years age range.

NOMINATION AND SELECTION OF CANDIDATES:

Nomination and Application for Admission forms accompany this announcement. One copy of this form may kindly be completed and signed by the candidate and the section titled "Nomination of Candidate" on the first page of the form may kindly be completed by an appropriate official of the agency making nomination. Each agency can nominate upto two candidates. Completed forms may be returned to the CHIEF, National Transport Research Centre (NTRC), Planning Commission, Government of Pakistan, Block 4-B, Markaz F-7, Islamabad by 20th August, 1986.

The Admission Committee will complete the selection of participants by 1st September, 1986 and nominating agencies will be notified of results as promptly as possible thereafter.

ADMINISTRATIVE AND FINANCIAL ARRANGEMENTS:

In making a nomination it is understood that the Sponsoring Agency agrees that the candidate will be treated on duty with his regular pay, travelling/daily allowances and total charges for the duration of the course; that participants will not be given assignments during the course which would prevent them from devoting their full time and attention to it; and that the candidate will be placed in his former position or in one of equal or greater responsibility on completion of the course. The candidate shall be paid in advance the entire amount of Travelling/ Daily Allowance and Hotel Charges to enable him to make necessary arrangements for boarding and lodging. Planning Commission would be glad to help arrange the accommodation for the participants on individual basis if so desired. Planning Commission can also provide housing subsidy to few deserving cases i.e. junior officials whose daily hotel allowance is not sufficient to meet the expenses at Islamabad Hotels/Motels.

Abdul Majeed

(ABDUL MAJEED)
DEPUTY CHIEF

Encl : As above (2 copies)
15th July, 1986.

To

- As per address on the envelope -

- 12 -

Annexure-11

GOVERNMENT OF PAKISTAN
PLANNING COMMISSION
NATIONAL TRANSPORT RESEARCH CENTRE

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NOMINATION AND APPLICATION FOR ADMISSION

Course on Transportation Project Planning

1986

September-November

OFFICIAL NOMINATION OF CANDIDATE

(This page to be completed by nominating agency
after remainder of the application form has
been filled out and signed by candidate).

(Name of Candidate)

is hereby nominated for the 8th Course on
Transportation Projects Planning

If the candidate is accepted for this course, the nominating
official agreed to fulfil the following conditions set-forth
in the Announcement of this Course:

1. The Candidate will be treated on duty for the duration of
the course and paid regular salary, travelling/daily allowance
and hotel charges.
2. He will be given no other duties or assignments in this
period which would prevent the devotion of his full time and
attention to the course.

Name of Official authorised to
sign this nomination for agency
(Please print or type)

Name and Address of agency
nominating this candidate

Title of nominating official

Signature of nominating official

After completion, one copy of this form should be returned before
the official closing date (viz 20th August, 1986) to:

CHIEF (NTRC), PLANNING COMMISSION,
GOVERNMENT OF PAKISTAN, BLOCK 4-B, MARKAZ F-7,
ISLAMABAD (Tele: 826282/810626 or 829903)

To be completed by applicant; PLEASE TYPEWRITE IN ENGLISH

Full Name Miss

(Attach in this space a photograph taken within the past year).

The one name used when Mrs. you are addressed as Mr.-----

Address to which correspondence with you regarding this application should be sent.

Office Telephone.....

Citizenship Date of Birth

Title of your present position Date promoted to present post.

Name of agency, department or institution

Name of title of supervisor

Summarize your duties and responsibilities using only this space

Previous Position:

Name of agency, department or institution	Title of Position	Dates employed (Month & Year)	
		From	To

ANNOUNCEMENT OF
8TH TRANSPORTATION PROJECTS
PLANNING COURSE (10TH NOV - 20TH DEC, 1986)
(FOR OIC/ REGIONAL MEMBERS COUNTRIES)

INTRODUCTION

National Transport Research Centre, Planning Commission, Government of Pakistan is a research organization devoted to carrying out fundamental research on all modes of transport. Apart from its research endeavours, the Centre also provides professional training in Transportation Projects Planning. To date the Centre have organized seven such Courses. The 8th Course is scheduled to be held at Islamabad, from 10th November to 20th December, 1986.

COURSE OBJECTIVES

The Course is designed to equip the senior and middle level professionals engaged in transport related activities with theoretical and practical skills in the methods and techniques of preparation, evaluation, appraisal and implementation of transportation Projects.

OUTLINE PROGRAMME

The brief outline of the course is as follows:--

I. Planning & Development:

- Basic Project Concept
- Economic Development & Planning Concepts
- Development Plans and Projects
- Demand, Supply and Prices
- Forecasting Techniques
- Project Cycle

II. Financial and Economic Analysis:

- Cash-Flow Analysis
- Measure of Project Worth, B/C Ratio
- Risk and Sensitivity Analysis
- Shadow Pricing
- Internal Rate of Return

III. Project Implementation:

- Project Management and Organization
- Co-ordinating and Controlling Techniques
- Project Monitoring - CPM Techniques

IV. General:

- Highway Safety Measures
- Role of Consultant
- Decision Theories
 - Managerial Problems
 - Group Discussion
 - Case Studies
 - Field Visits

Each participant will be provided with a set of reading material which he will be allowed to retain at the completion of the Course. On successful completion of the Course, each participant will receive a certificate of attendance which will not be graded.

LANGUAGE REQUIREMENT

The course will be conducted in English.

VENUE

The Course will be held from 28th September to 6th November, 1986 at the National Transport Research Centre, Islamabad, Pakistan.

NOMINATION AND SELECTION OF PARTICIPANTS

The Course is limited to only 25 participants. The member Countries of OIC and SAARC are invited to nominate at least two candidates from their respective public or private sector agencies. Candidates should normally be: -

- i) in possession of a University degree in transportation related fields;
- ii) having experience of working in transport related job.

Registration form is annexed. *Completed forms may be returned to the Chief, National Transport Research Centre (NTRC), Planning Commission, Government of Pakistan, Block 4-B, Markaz F-7, Islamabad – Pakistan by 31st July, 1986 at the latest.*

FINANCIAL ARRANGEMENTS

No fee will be charged for the Course. The participants will however bear the cost of:—

- a) Round air trip to Islamabad
- b) Boarding & Lodging in Pakistan
- c) Internal travel related to the training programme approximately Rs. 5,000/-
- d) Incidentals to travel abroad e.g. passport, visa, medical examination, inoculation, etc.
- e) Salary and related allowances for the participants during the period of training.

ADMINISTRATIVE

1. Necessary boarding and lodging can be arranged if desired.
2. Transportation from hotel to venue of the Course shall be provided.
3. Light refreshments during the Course also provided.

APPLICATION/NOMINATION FORM FOR
8TH TRANSPORTATION PROJECTS PLANNING COURSE
10TH NOVEMBER - 20TH DECEMBER, 1986
(FOR OIC/REGIONAL MEMBER COUNTRIES)

Registration Form
PART - A
APPLICATION

1. Full name
2. Date of birth
3. Place of birth
4. Address: Official
- Residence
- Telephone/Office :
- Residence:
- Telex:
5. Educational Qualifications:
(Please start with the highest degree)

University	Degree	Year
.....
.....
6. Work Experience:
(Please start with the present position)

Employer	Date From-To	Title with brief description
.....
.....
7. Please indicate the level of your command of English language

	Excellent	Good	Poor
Speaking
Reading
8. I hereby apply for a place in this training programme..

Date Signature of Applicant

PART - B
NOMINATION

Recommendation of the Organization/
Government nominating the applicant

This application has the support of the
.....
Organization/Department/Ministry of Govern-
ment of

..... If the applicant is selected as a participant he will be released from duties to attend the training programme and will be provided with a return air ticket from his place of posting to Islamabad, Pakistan, in addition he will be provided in advance all expenses of lodging/boarding, daily allowances, internal travel, etc., relating to training programme.

Signature

Designation

Department/Ministry

Note:- The completed application form should be sent to:

The Chief,
National Transport Research Centre,
Planning Commission,
Govt. of Pakistan,
Block-4/B, Markaz F-7,
Islamabad, Pakistan.

- All applications must be received at the above address by 31st July, 1986.

- Candidates employed in private sector organizations are also eligible after necessary clearance from the Governments of their respective countries.

LIST OF AGENCIES

1. The Secretary,
Ministry of Communications,
Government of Pakistan,
Islamabad.

2. The Secretary,
Communication & Works Department,
Government of Punjab,
Lahore.

3. The Secretary,
Communication & Works Department,
Government of NWFP,
Peshawar.

4. The Secretary,
Communication & Works Department,
Government of Sind,
Karachi.

5. The Secretary,
Communication & Works Department,
Government of Baluchistan,
Quetta.

6. The Director General,
Pakistan Public Works Department,
Government of Pakistan,
Islamabad.

7. The Secretary,
Public Works Department,
Government of Azad Jammu & Kashmir,
Muzaffarabad.

8. The Chief Engineer,
Building & Road Department,
Government of NWFP,
Peshawar.

9. The Chief Engineer (Development),
Building & Roads Department,
Government of NWFP,
Peshawar.
10. The Chief Engineer,
Central Design Office,
B&R Department, 10-Shami Road,
Peshawar Cantt.
11. The Chief Engineer,
Highway Department,
Government of Punjab,
Lahore.
12. The Chief Engineer,
Highway Department,
Government of Sind,
Karachi.
13. The Director General,
National Highways Board,
Islamabad.
14. The Secretary,
Ministry of Railways,
Islamabad.
15. The General Manager,
Railway Board;
Lahore.
16. The Deputy Director General,
Frontier Works Organization,
Rawalpindi.
17. The Engineer-in-Chief,
General Headquarter,
Rawalpindi.
18. The Director of Supplies & Transport,
Army Service Corporation,
General Headquarter, QMGs Branch, (S&T Dte),
Rawalpindi.

19. The Secretary,
Ministry of Defence,
Aviation Division,
Rawalpindi.

20. The Chairman,
Pakistan International Airlines Corporation,
Civil Airport,
Karachi.

21. The Director General,
Civil Aviation Authority,
19-Liaquat Barracks/H.Q Napier Barracks,
Near Taj Mahal Hotel,
Karachi.

22. The Managing Director,
Airport Development Agency,
G-6, KDA., Scheme No. I,
Near Karsaz,
Karachi-8.

23. The Chairman,
Karachi Port Trust,
Adamjee Dinshaw Road,
Karachi.

24. The Chairman,
Port Muhammad Bin qasim Authority,
P.O. Box Port Qasim,
Karachi-48.

25. The Chairman,
Pakistan Automobile Corporation,
6th Floor, PNSC-Building,
Moulvi Tamizuddin Khan Road,
Karachi.

26. The Chairman,
Pakistan National Shipping Corporation,
PNSC - Building,
Karachi.

27. The Chairman,
Karachi Development Authority,
KDA - Building,
Shahrah-e-Kanal Attaturk,
Karachi.
28. The Chairman,
Lahore Development Authority,
Lahore.
29. The Chairman,
Peshawar Development Authority,
Peshawar.
30. The Chairman,
Quetta Development Authority,
Quetta.
31. The Chairman,
Baluchistan Development Authority,
Civil Secretariat,
Quetta.
32. The Chairman,
Kohistan Development Authority,
Dasu.
33. The Chairman,
Development Authority,
Tribal Area,
Peshawar.
34. The Director General,
Lahore Development Authority,
Lahore.
35. The Director General,
Multan Development Authority,
Multan.
36. The Director General,
Faisalabad Development Authority,
Faisalabad.

37. The Director, General,
Hyderabad Development Authority,
HYDERABAD:
38. The Director General,
Quetta Development Authority,
Quetta.
39. The Member (Technical),
Capital Development Authority,
Islamabad.
40. The Secretary,
Hyderabad Development Authority,
38-A, G.O.R. Colony,
Hyderabad.
41. The Administrator,
Municipal Corporation ,
Rawalpindi.
42. The Administrator,
Municipal Corporation ,
Lahore.
43. The Administrator,
Municipal Corporation ,
Faisalabad.
44. The Administrator,
Municipal Corporation ,
Karachi.
45. The Administrator,
Municipal Corporation ,
Peshawar.
46. The Secretary,
Local Govt. & Rural Development,
Government of the Punjab,
Lahore.
47. The Secretary,
Local Govt. & Rural Development,
Government of Sind,
Karachi.

48. The Secretary,
Local Govt. & Rural Development,
Government of NWFP,
Peshawar.
49. The Secretary,
Local Govt. & Rural Development,
Government of Baluchistan,
Quetta.
50. The Secretary,
Local Govt. Rural Development,
Govt. of Azad Jammu & Kashmir,
Muzaffarabad.
51. The Chief,
Transport & Communication Section,
Planning & Development Division,
Islamabad.
52. The Chief,
Project Appraisal Section,
Planning & Development Division,
Islamabad.
53. The Chairman,
Planning & Development Board,
Government of the Punjab,
Lahore.
54. The Additional Chief Secretary,
Planning & Development Department,
Government of Sind,
Karachi.
55. The Additional Chief Secretary,
Planning and Development Department,
Government of NWFP,
Peshawar.
56. The Additional Chief Secretary,
Planning and Development Department,
Government of Baluchistan,
Quetta.

57. The Development Commissioner,
Planning and Development Department,
Govt. of Azad Jammu and Kashmir,
Musaffarabad.
58. The Secretary (Transport).
Government of Punjab,
Lahore.
59. The Secretary (Transport),
Government of Sind,
Karachi.
60. The Secretary, (Transport),
Government of NWFP,
Peshawar.
61. The Secretary (Transport),
Government of Baluchistan,
Quetta.
62. The Managing Director,
Punjab Urban Transport Corporation,
OPP. Liberty Market, Gulberg-III,
Lahore.
63. The Managing Director,
Karachi Transport Corporation,
Karachi-8.
64. The Managing Director,
Punjab Road Transport Board,
Lahore.
65. The Chairman,
Sind Road Transport Corporation,
Thandi Sarak,
Hyderabad.
66. The General Manager,
Government Transport Service,
Government of NWFP,
Peshawar.
67. The Secretary,
Provincial Transport Authorities,
Government of the Punjab,
Lahore.

68. The Secretary,
Provincial Transport Authorities,
Government of Sind,
Karachi.
69. The Secretary,
Provincial Transport Authorities,
Government of NWFP,
Peshawar.
70. The Secretary,
Provincial Transport Authorities,
Government of Baluchistan,
Quetta.
71. The Secretary,
Regional Transport Authority,
Rawalpindi.
72. The Inspector General of Police,
Government of the Punjab,
Lahore.
73. The Inspector General of Police,
Government of Sind,
Karachi.
74. The Inspector General of Police,
Government of NWFP,
Peshawar.
75. The Inspector General of Police,
Government of Baluchistan,
Quetta.
76. The Inspector General of Police,
Govt. of Azad Jammu & Kashmir,
Muzaffarabad.
77. The Commissioner,
Rawalpindi.
78. The Commissioner,
Lahore.
79. The Commissioner,
Multan.

80. The Commissioner,
Bahawalpur.
81. The Commissioner,
Sargodha.
82. The Commissioner,
Karachi.
83. The Commissioner,
Hyderabad.
84. The Commissioner,
Sukkur.
85. The Commissioner,
Peshawar.
86. The Commissioner,
D. I. Khan.
87. The Commissioner,
Abbottabad.
88. The Commissioner,
Malakand.
89. The Commissioner,
Quetta.
90. The Commissioner,
Kalat.
91. The Commissioner,
Sibi.
92. The Commissioner,
Makran.
93. The Commissioner,
Gilgit.

94. The Vice Chancellor,
University of Engineering & Technology,
Peshawar.
95. The Vice Chancellor,
N. E. D. University of Engg: & Technology,
Karachi.
96. The Professor of Civil Engineering,
University of Engineering & Technology,
Lahore.
97. The Director,
Pakistan Institute of Development Economics,
P. O. Box No. 1091,
Islamabad.
98. The Director,
Applied Economics Research Centre,
University of Karachi,
Karachi.
99. The Deputy Director General,
Statistics Division,
I. S. M. C. H. Society,
Karachi.
100. M/s Noon Qayyum & Company,
Consulting Engineer & Architects,
I-Nursery Lane, Lawrence Road,
Lahore.
101. M/s Republic Engineering Corporation Ltd.,
76/E.I., Gulberg-III,
Lahore.
102. The Managing Director,
NESPAK Ltd.,
417-WAPDA House,
Shahrahe-e-Quaid-i-Azam,
Lahore.
103. Mr. Shah Alam Khan,
Economic Analyst,
Tourism Division,
Commercial Area F-7/2,
Islamabad.

104. Begum Viqar-Un-Nisa Noon,
Chairman,
Pakistan Tourism Development Corporation,
2-St, 61, F-7/4,
Islamabad.

105. Mr. Amanullah,
District Manager,
P.U.T.C.,
Rawalpindi.

106. Auditor General of Pakistan,
Gulberg No.III,
Guroo Manghat,
Lahore.

107. OIC Member Countries,
C/O Ministry of Foreign Affairs,
Islamabad.

108. SAARC Member Countries,
C/O. Ministry of Foreign Affairs,
Islamabad.

S.No.	Name	Designation	Department
16.	Mr. Abdul Rehman Memon.	Assistant Design Officer	Highway Circle, Nawabshah.
17.	Mr. Muhammad Anwar Chughtai.	Traffic Manager	Punjab Road Transport Corporation, Lahore.
18.	Maj. Faizullah Naqvi.	Major	G.H.Q., Rawalpindi.
19.	Maj. Iftikhar Ahmad Durrani.	Major	G.H.Q., Rawalpindi.
20.	Maj. Muhammad Tahir Saeed.	Major	G.H.Q., Rawalpindi.
21.	Mar. Zafarullah.	Major	N.L.C.
22.	Capt. Javed Iqbal Malik.	Captain	G.H.Q., Rawalpindi.
23.	Mr. Zennup Ozhan.	Manager	Ministry of Communication, Ankara (Turkey).
24.	Mr. Muhammad Mohsin Al-Haider.		Yemen.
25.	Mr. Ibrahim Saleh Farash.		Yemen.
26.	Mr. Dorji Nedup.	Transport Officer	Bhutan.
27.	Mr. Soulengar Djimoye	Civil Administrator/ Head of National Office for Transport (Al-Frait)	Sudan.
28.	Mr. Beeoukan Djaogol.	Civil Aviation Officer	Sudan.

LIST OF THE PARTICIPANTS
WHO ATTENDED THE COURSE

- | <u>S.No.</u> | <u>Name of the Participants</u> |
|--------------|---|
| 1. | Syed Monawarul Huda,
Planning Officer,
Pakistan International Airlines,
<u>Karachi</u> |
| 2. | Mr. Nari R. Khursigara,
Manager(Planning),
Pakistan National Shipping Corporation,
<u>Karachi.</u> |
| 3. | Mr. Saeed Ahmed,
Executive Engineer,
Karachi Port Trust,
<u>Karachi.</u> |
| 4. | Mr. Tariq Pervaiz,
Assistant Director,
Capital Development Authority,
<u>Islamabad.</u> |
| 5. | Mr. Ibrahim Nassrullah Durani,
Senior Engineer,
National Engineering Services
(Pakistan) Ltd.,
<u>Lahore.</u> |
| 6. | Mr. Hussain Hamza,
Senior Engineer,
National Engineering Services
(Pakistan) Ltd.,
<u>Lahore.</u> |
| 7. | Mr. Sadiq Ali,
Assistant Director,
Ministry of Railways,
<u>Islamabad.</u> |
| 8. | Mr. Inamullah Jan,
Planning Officer,
Government Transport Service, NWFP,
<u>Peshawar.</u> |
| 9. | Mr. A. Sajid,
Deputy General Manager,
Port Qasim Authority,
<u>Karachi-48.</u> |

10. Major Faizullah Naqvi,
General Head Quarter,
Rawalpindi.
11. Major Iftikhar Ahmed Durani,
General Head Quarter,
Rawalpindi.
12. Major Muhammad Tahir Saeed,
General Head Quarter,
Rawalpindi.
13. Major Muhammad Zafar Ullah,
National Logistic Cell,
Quetta.
14. Captain Javed Iqbal Malik,
General Head Quarter,
Rawalpindi.
15. Mr. Ram Chand.
Assistant Director,
National Highways Board,
Islamabad.
16. Mr. Abdul Khaliq Khan,
Planning Officer,
Local Govt. & Rural Development,
AJK (Muzaffarabad).
17. Mr. Dorji Nedup,
Land Transport Officer,
Bhutan.

SESSION 'A' - 0930 - 1030
 TEA BREAK - 1030 - 1100
 SESSION 'B' - 1100 - 1300
 LUNCH BREAK - 1300 - 1430
 SESSION 'C' - 1430 - 1830

8TH PLANNING COMMISSION COURSE
 ON
 TRANSPORTATION PROJECTS PLANNING
 10-11-86 TO 20-12-86

SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
A	9.11.86	10.11.86	11.11.86	12.11.86	13.11.86	14.11.86	15.11.86	16.11.86	17.11.86	18.11.86	19.11.86	20.11.86	21.11.86
	HOLIDAY	INAUGURATION	CURRENT ECONOMIC SITUATION	TRANSPORT PROBLEMS FOR 6TH PLAN	TRANSPORT SYSTEM ANALYSIS	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	ROLE OF TRANSPORT IN DEVELOPMENT	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	ROLE OF TRANSPORT IN DEVELOPMENT	SOCIAL IMPLICATIONS OF TRANSPORT IN DEVELOPMENT	COST-BENEFIT ANALYSIS-I	COST-BENEFIT ANALYSIS-I	COST-BENEFIT ANALYSIS-I
B		REGISTRATION	COMPOUNDING & DISCOUNTING TECHNIQUES	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	ROLE OF TRANSPORT IN DEVELOPMENT	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS	ROLE OF TRANSPORT IN DEVELOPMENT	SOCIAL IMPLICATIONS OF TRANSPORT IN DEVELOPMENT	COST-BENEFIT ANALYSIS-II	COST-BENEFIT ANALYSIS-II	COST-BENEFIT ANALYSIS-II
C		PROJECT CYCLE	CASE STUDY	CASE STUDY	TRANSPORT SYSTEM ANALYSIS	TRANSPORT SYSTEM ANALYSIS	TRANSPORT SYSTEM ANALYSIS	TRANSPORT SYSTEM ANALYSIS	TRANSPORT SYSTEM ANALYSIS	SOCIAL IMPLICATIONS OF TRANSPORT IN DEVELOPMENT	COST-BENEFIT ANALYSIS-III	COST-BENEFIT ANALYSIS-III	COST-BENEFIT ANALYSIS-III
A	16.11.1986	17.11.86	18.11.86	19.11.86	20.11.86	21.11.86	22.11.86	23.11.86	24.11.86	25.11.86	26.11.86	27.11.86	28.11.86
	HOLIDAY	TECHNOLOGICAL INNOVATION IN TRANSPORT	INTRODUCTION TO MICRO ECONOMICS - I	INTRODUCTION TO MICRO ECONOMICS - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I	MANAGEMENT INFORMATION SYSTEM - I
B		PROJECT MONITORING AND EVALUATION	INTRODUCTION TO MICRO ECONOMICS - II	INTRODUCTION TO MICRO ECONOMICS - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II	MANAGEMENT INFORMATION SYSTEM - II
C		ENERGY USE IN TRANSPORT	ROAD TRANSPORT INFRA-STRUCTURE	ROAD TRANSPORT INFRA-STRUCTURE	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III	MANAGEMENT INFORMATION SYSTEM - III
A	23.11.86	24.11.86	25.11.86	26.11.86	27.11.86	28.11.86	29.11.86	30.11.86	1.12.86	2.12.86	3.12.86	4.12.86	5.12.86
	TRANSPORT PRICING	FINANCIAL ANALYSIS - I	CRITICAL PATH METHOD - I	CRITICAL PATH METHOD - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I	COST ACCOUNTING - I
B		OPERATIONS RESEARCH-I	FINANCIAL ANALYSIS - II	FINANCIAL ANALYSIS - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II	COST ACCOUNTING - II
C		OPERATIONS RESEARCH-II	FINANCIAL ANALYSIS - III	FINANCIAL ANALYSIS - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III	COST ACCOUNTING - III
A	10.12.86	11.12.86	12.12.86	13.12.86	14.12.86	15.12.86	16.12.86	17.12.86	18.12.86	19.12.86	20.12.86	21.12.86	22.12.86
	FORECASTING	URBAN TRANSPORT PLANNING	NATIONAL HIGHWAY PLANNING	NATIONAL HIGHWAY PLANNING	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT	TRANSPORT DATA REQUIREMENT
B		PAK MARITIME TRANSPORT	ROAD FREIGHT TRANSPORT-ACTION	ROAD FREIGHT TRANSPORT-ACTION	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT	INLAND WATER TRANSPORT
C		FORCASTING MODULE	ECONOMIC IMPLICATIONS OF ROADS MAINTENANCE	ECONOMIC IMPLICATIONS OF ROADS MAINTENANCE	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS	FEEDER ROADS
A	7-12-86	8-12-86	9-12-86	10-12-86	11-12-86	12-12-86	13-12-86	14-12-86	15-12-86	16-12-86	17-12-86	18-12-86	19-12-86
	THE MOST CRITICAL ISSUES IN TRANSPORT	MANAGING URBAN BUS TRANSPORT	MANAGING RAILWAYS	MANAGING RAILWAYS	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II	HIGHWAY SAFETY-II
B		TRAFFIC MANAGEMENT	AIRCRAFT INVESTMENT DECISION	AIRCRAFT INVESTMENT DECISION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION	CONTAINERIZATION
C		PROBABILITY ANALYSIS	SOFRE RAIL STUDY	SOFRE RAIL STUDY	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE	DEPARTURE FOR LAHORE
A	14.12.86	15.12.86	16.12.86	17.12.86	18.12.86	19.12.86	20.12.86	21.12.86	22.12.86	23.12.86	24.12.86	25.12.86	26.12.86
	LECTURE ON ROLE OF PORT QASIM/VISIT FOR P.Q.A.	LECTURE ON NATIONAL SHIPPING CORPORATION	LECTURE ON AUTOMOBILE INDUSTRY/REPUBLIC MOTORS	LECTURE ON AUTOMOBILE INDUSTRY/REPUBLIC MOTORS	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.	TRAFFIC MANAGEMENT/K.T.E.B.
B		MARSHALLING YARD	P. I. A. C	P. I. A. C	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.	1400-1600 Hrs.
C													

LIST OF SPEAKERS

<u>S.No.</u>	<u>Name of the Speaker</u>	<u>Subject of the Lecture</u>
1.	Mr. Anis Mahmood, Research Economist, P.I.D.E., Islamabad.	i) Project Cycle ii) Sensitivity Analysis
2.	Dr. A.R. Kamal, Joint Economic Advisor, Ministry of Finance, Sectt: Block-'S', Islamabad.	Current Economic Situation
3.	Mr. Abdul Majeed, Deputy Chief, NTRC, Planning Commission, Islamabad;	i) Compounding & Discounting Techniques ii) Case Study iii) Introduction to Micro Economic-I&II iv) Transport Pricing v) Cost Benefit Analysis I&II vi) Forecasting I&II
4.	Mr. Malik Muhammad Saeed Khan Chief, (T&C) Section, Planning Commission, Islamabad.	i) Transport Priorities for Sixth Plan ii) Probability Analysis.
5.	Prof. David A. Briggs, T.C.O., NTRC, Planning Commission, Islamabad;	i) Introduction to Transport System Analysis. ii) Transport System Analysis Methodology. iii) Transport System Analysis Analytical Techniques. iv) Urban Public Transport in Pakistan. v) Traffic Management.
6.	Mr. Sadaqat Hasan Mir, Managing Director, ENERPLAN, Islamabad.	i) Role of Transport in Development. ii) The Most Critical Issues in Transport.
7.	Dr. Masuma Hasan, Director General, O & M Division, Karachi.	Social Implications of Transport in Development.

<u>S.No.</u>	<u>Name of the Speakers</u>	<u>Subject of the Lectures</u>
8.	Col. Raza Hussain Shah, Project Director, Federal & Rural <i>Development</i> , Engineering Cell, Islamabad.	i) Technical Innovation in Transport ii) Economics Implications of Road Maintenance. iii) Problems Encountered in Constr- uction/Maintenance of Roads. iv) Feeder Roads. v) Development Road (Case Study). vi) Transport Planning Methodology.
9.	Mr. Waliat Khan Chaudhry, Deputy Director, Evaluation & Monitoring, Section, Planning and Development Division, Islamabad.	Project Monitoring & Evaluation.
10.	Dr. M. Abdullah, Chairman, Electrical Engineering Department, University of Engineering, Peshawar.	Energy Requirements of Transport
11.	Mr. Khalifa,	Road Transport Infrastructure.
12.	Dr. Amanullah Khan, Managing Director, <i>Saigal Computers</i> , <u>Islamabad</u> .	i) Management Information System- <u>I</u> ii) Management Information System - II iii) Management Information System -III
13.	Mr. Aftab Alam, Chairman, K.P.T., Karachi.	i) Using Consultant. ii) Managing Ports.
14.	Dr. S. Muhammad Ali Shah, Director, Cabinet Sectt: O&M Division, Islamabad.	i) Operation Research -I ii) Operation Research-II

<u>S.No.</u>	<u>Name of the Speakers</u>	<u>Subject of the Lecture</u>
24.	Mr. M. Khazim Idress, Deputy Chief, NTRC., Planning Commission, Islamabad.	Transport Data Requirement.
25.	Mr. Mohuidin Khan, Rtd. General Manager, WAPDA, House No. Street No. Islamabad.	Inland Water Transport.
26.	Mr. Mahmood Athar Zaka, Joint Secretary, Ministry of Defence, Pak. Secretariat, Rawalpindi.	Decision Theory.
27.	Mr. Badshah Gul, General Manager, Corporate Planning Deptt., P.I.A., Karachi.	i) Role and Performance of PIA. ii) Aircraft Investment Decision.
28.	Mr. Ghias-ud-Din, General Manager, Railway Board, Lahore.	i) Sofre Rail Study. ii) Managing Railways-I&II.
29.	Mr. M. Sadiq Swati, Chief, NTRC., Planning Commission, Islamabad.	i) Highway Safety in Pakistan-I. ii) Highway Safety in Pakistan-II.
30.	Mr. Javed Mansoor, General Manager (Planning), P.N.S.C., Karachi.	Role of Containerization.
31.	Rear Admiral A. Waliullah, Chairman, P.Q.A., Karachi.	Role of Port Qasim.
32.	Mr. Kunwar Idris, Chairman, Pakistan Automobile Corporation, Karachi.	Automobile Industry in Pakistan.

DETAILS OF COURSE MATERIAL DISTRIBUTED AMONG
THE PARTICIPANTS

S.No.	T O P I C S	Material Provided by NTRC and speakers
1.	2.	3.
1.	Project Cycle	Handout/material provided by Mr. Annis Mahmood, Research Economist, P.T.D.E.
2.	Compounding and Discounting Techniques.	Compounding & Discounting Table for Project Evaluation distributed by Mr. Abdul Majeed Deputy Chief, NTRC.
3.	Introduction to Transport System Analysis.	Handout on "Introduction to Transport System Analysis" by Professor David A. Briggs, TCO, NTRC.
4.	Transport System Analysis Methodology.	Handout on "Transport System Analysis Methodology" by Professor David A. Briggs, TCO, NTRC.
5.	Role of Transport in Development.	Material provided by the NTRC.
6.	Social Implication of Transport in Development.	Material provided by the NTRC.
7.	Technological Innovation in Transport.	Handout on "Technological Innovation in Transport" by Col. Raza Hussain Shah, Project Director, Engineering Cell, M/o Local Govt. and Rural Development.
8.	Project Monitoring and Evaluation.	Handout on "Project Monitoring and Evaluation" by Ch. Waliat Khan, Deputy Director, Evaluation and Monitoring Section, Planning Commission Islamabad

1.	2.	3.
9.	Engergy Requirement of Transport.	a) Handout on Energy Requirement in Transport by Dr. M. Abdullah, Chairman, Electrical Engineering, University of Engg., Peshawar. b) Material on "Fuel Consumption Study" provided by the NTRC.
10.	Introduction to Micro Economics - I.	Handout on Micro Economics by Mr. Abdul Majeed, Dy. Chief, NTRC.
11.	Introduction to Micro Economics - II.	Handout on Micro Economics by Mr. Abdul Majeed, Dy. Chief, NTRC.
12.	Cost Benefit Analysis-I&II.	Handout on Cost Benefit Analysis by Mr. Abdul Majeed, Dy. Chief, NTRC.
13.	Transport Pricing.	Handout on Transport Pricing by Mr. Abdul Majeed, Dy. Chief, NTRC.
14.	Operation Research-I&II.	Handout on Operation Research-I&II By Dr. S. Muhammad Ali Shah, Director, Cabinet Sectt. O&M Division Karachi.
15.	Financial Analysis-I, II&III.	Handout on "Financial Statement Analysis" by Mr. Zaheer Ahmad Butt, Asstt. Professor, Deptt. of Business Administration, University of Punjab, Lahore.
16.	Critical Path Method-I&II.	Handout on the topics distributed by Miss Shamim A. Sahibzads, Chief Traning Programme Section, P.I.D.E.
17.	Sensetivity Analysis.	Handout given by Mr. Annis Mahmood, Research Economist, P.I.D.E.

1.	2.	3.
18.	Cost Accounting-I,II&III.	Handout on "Cost Accounting" by Khawaja Amjad Saeed, Chairman, Deptt. of Business Administration, Punjab University, Lahore.
19.	Risk & Uncertainty.	a) Handout given by Miss Shamim A. Sahibzada, Chief Training Programme, P.I.D.E. b) Material provided by NTRC.
20.	Urban Transport Planning.	Handout on "Management of Urban Transport Planning Process" by Mr. S. Pervez Sani, Govt. College of Technology, Peshawar.
21.	National Highway Planning.	Handout on "Highway Planning" by Brig. Khalid M. Amin, Director General, National Highways Board.
22.	Transport Data Requirements.	Material provided by the NTRC.
23.	Transport Planning Methodology.	Handout on "Planning Methodology" by Col. Raza Hussain Shah, Project Director, Engineering Cell, Ministry of Local Govt. and Rural Development.
24.	Probability Analysis.	Material provided by the NTRC.
25.	Role and Performance of PIA.	Material provided on Role & Performance of PIA by the General Manager, PIA.
26.	Air Craft Investment Decision.	a) Material on the topic given by Mr. Badshah Gul, General Manager, PIA. b) Material of World Bank on "Air. Craft Investment Decision", reproduced by NTRC.

1.	2.	3.
27.	Forecasting-I&II.	Handout on Forecasting by Mr. Abdul Majeed, Dy. Chief NTRC.
28.	Highway Safety in Pakistan-I&II.	Material on "Highway Safety in Pakistan" by Highway Safety Wing, Ministry of Communications. i) Material Provided on "highway Safety Present Situation" by Mr. M. Sadiq Swati, Chief, NTRC. ii) "Real Problems of Highway Safety in Pakistan" by Mr. M. Sadiq Swati, Chief, NTRC. iii) "Psychological Attitudes Towards Highway Safety" by Mr. M. Sadiq Swati, Chief, NTRC. iv) "Accident Study for Punjab" by Mr. M. Sadiq Swati, Chief, NTRC.
29.	Development Road (Case Study).	Material provided by NTRC.

SOCIAL FUNCTIONS

November, 10, 1986 (Monday)	Inaugural Ceremony arranged by the NTRC at Auditorium of 'P' Block Secretariate.
November, 15, 1986 (Saturday)	Visit for Murree.
November, 21, 1986 (Friday)	Visit for Taxila.
November, 22, 1986 (Saturday)	Visit for Second Carriageway between Nowshera.
November, 28, 1986 (Friday)	Visit for various places of Islamabad.
November, 29, 1986 (Saturday)	Visit for Terbela Dam.
December, 5, 1986 (Friday)	Visit for Abbottabad.
December, 6, 1986 (Saturday)	Visit to Pakistan Railway Carriage Factory Islamabad & light refreshment served to the participants by the management of the factory.
December, 11, 1986 (Thursday)	Light refreshment by the Director, Road Research and Material Testing Institute, Lahore.
December, 11, 1986 (Thursday)	Lunch was given in honour of the participants by the General Manager, Railway Board, Lahore.
December, 13, 1986 (Saturday)	Light refreshment arranged by the Collector Customs, Railway, Dry Port, Lahore.
December, 13, 1986 (Saturday)	Lunch arranged by the Managing Director, PRTC, Lahore.

- December, 14, 1986 (Sunday) Lunch arranged by the Chairman, Port Muhammad Bin Qasim, Karachi.
- December, 15, 1986 (Monday) Lunch arranged by the Chairman, Pakistan National Shipping Corporation.
- December, 15, 1986 (Monday) Light refreshment arranged by the General Manager (Planning), Pakistan International Airlines, Karachi.
- December, 16, 1986 (Tuesday) Lunch arranged by the Chairman, P.A.C.O. Karachi.
- December, 17, 1986 (Wednesday) Lunch arranged by the Managing Director, Karachi Shipyard Engineering Works for the Participants of the course.
- December, 18, 1986 (Thursday) Lunch arranged at Boat Club by the Chairman, Karachi Port Trust, Certificates were awarded to the participants of the Course by the Chairman, K.P.T.

FIELD VISITS

Date	Day	Time	From	To	Programme
1.	2.	3.	4.	5.	6.
22nd November, 1986	Saturday	0900	NIRC	Peshawar	Visit for 2nd Carriageway Between Nowshera & Peshawar. (1100-1400 Hrs.)
5th December, 1986	Saturday	1000	NIRC	Railway Carriageway Factory, Islamabad.	Visit fo Railway Carriage Factory Islamabad. (1030-1230 Hrs.)
11th December, 1986	Thursday	0900	Indus Hotel Lahore	New Univer- sity Capus	Visit for Road R Search & Material Testing Institute. (0930-1200 Hrs.)
		1215	Road Research Institute	Mughal Pura Workshop	Visit for Mughal Pura Workshop. (1300-1600 Hrs.)
				<u>Lunch</u>	Arranged by the General Manager, Railway Board Lahore.
13th December, 1986	Saturday	0900	Indus Hotel Lahore	Punjab Road Transport Corporation	Visit for Punjab Road Transport Corporation Lahore. (0930-1200 Hrs.)
					<u>Lunch</u>
		1315	Punjab Road Transport Corporation	Dry Port Lahore.	Visit for Dry Port Lahore. (1400-1630 Hrs.)
14th December, 1986	Sunday	0900	Jabees Hotel Karachi	Port Qasim Authority	Visit for Port Qasim Authority & Lecture delivered by the Chairman, Port Qasim Authority. (1000-1230 Hrs.)
					<u>Lunch</u>
		1345	P.O.A.	Pipri Marshalling Yard.	Visit for Pipri Marshalling Yard Karachi. (1430-1630 Hrs.)

Date	Day	Time	From	To	Programme
1.	2.	3.	4.	5.	6.
15th December, 1986	Monday	0900	Jabees Hotel Karachi	P.N.S.C.	Visit for Pakistan National Shipping Corporation Karachi. (0930-1200 Hrs.)
				<u>Lunch</u>	Arranged by the Chairman, P.N.S.C. (1200-1330 Hrs.)
		1345	P.N.S.C.	P.I.A.C.	Visit for Pakistan International Airlines Corporation. (1415-1630 Hrs.)
16th December, 1986	Tuesday	0900	Jabees Hotel Karachi	P.A.C.O.	Visit for P.A.C.O. Suzuki/ Hinopak/Naya Daur Motors Ltd. (0930-1500 Hrs.)
				<u>Lunch</u>	Arranged by the Chairman, P.A.C.O
17th December, 1986	Wednesday	0900	Jabees Hotel Karachi	Karachi Shipyard Engineer- ing Works.	Visit for Karachi Shipyard Engineering Works. (0930-1300 Hrs.)
				<u>Lunch</u>	Arranged by the Managing Director, K.S.E.W. (1300-1400 Hrs.)
18th December, 1986	Thursday	0900	Jabees Hotel Karachi	K.P.T.	Visit for Karachi Port Trust. (0930-1200 Hrs.)
				<u>Lunch</u>	Arranged by Chairman, Karachi Port Trust. (1200-1300 Hrs.)

5TH PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS PLANNING

(Islamabad 10th November - 20th December, 1985)

FIRST WEEK
(10th Nov. - 13th Nov. 1986)

WEEKLY EVALUATION

(To be filled on daily basis by the participants)

Name
(Optional):

The participants were requested to complete the following Questionnaire on a daily basis to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvement in the present as well as future courses and this to be discussed in the Seminar-X.

Sl. No.	Date	Lecture	Speaker	Did it meet the Objective Yes No	Quality of the material provided		Quality for the Lecture							
					Better than expected.	About what was expected.	Less than was expected.	Well prepared.	Should have been prepared better.	Theoretically Oriented.	Practically Oriented.	Other remarks	Other remarks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1. 10.11.1986. Project Cycle. Anis
2. 11.11.1986. Current Economic Situation. Kamal
3. 11.11.1986. Compounding & Discounting Techniques. Majeed
4. 11.11.1986. Case Study. Majeed
5. 12.11.1986. Transport Priorities Malik for 6th Plan.

8TH PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS PLANNING

(Islamabad 10th November - 20th December, 1986)

SECOND WEEK

(17th Nov. - 20th Nov. 1986)

WEEKLY EVALUATION

(To be filled on daily basis by the participants)

Name
(Optional):

The participants were requested to complete the following Questionnaire on a daily basis to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvement in the present as well as future courses and this to be discussed in the Seminar-X.

Sl. No.	Date	Lecture	Speaker	Did it meet the Objective		Quality of the material provided			Quality of the Lecture			Other remarks	suggestions.	
				Yes	No	Better than expected.	About what was expected.	Less than was expected.	Well prepared.	Should have been prepared better	Theoretically oriented.			Practically oriented.
1	2			5	6	7	8	9	10	11	12	13	14	15
			4											

- 17.11.1986. Technological innovation in Transport. Raza Chaudhry
- 17.11.1986. Project Monitoring and Evaluation. Chaudhry
- 17.11.1986. Energy Use in Transport. Abdullah
- 18.11.1986. Introduction to Micro Economics-I. Majeed

8TH PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS PLANNING

(Islamabad 10th November - 20th December, 1986)

THIRD WEEK
(23rd Nov. - 27th Nov. 1986)

WEEKLY EVALUATION

(To be filled on daily basis by the participants)

Name
(Optional):

The participants were requested to complete the following Questionnaire on a daily basis to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvement in the present as well as future courses and this to be discussed in the Seminar-X.

Sl. No.	Date	Lecture	Speaker	Did it meet the Objective		Quality of the material provided		Quality of the Lecture					Other remarks	suggestions.
				Yes	No	Better than expected.	About what was expected.	Well prepared.	Should have been prepared better	Theoretically Oriented.	Practically Oriented.	10		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1. 23.11.1986. Transport Pricing. Majeed

2. 23.11.1986. Operations Research-I. Ali

3. 23.11.1986. Operations Research-II. Ali

4. 24.11.1986. Financial Analysis-I Butt

5. 24.11.1986. Financial Analysis-II Butt

8TH PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS PLANNING

(Islamabad 10th November - 20th December, 1986)

FOURTH WEEK
(30th Nov. - 4th Dec. 1986)

WEEKLY EVALUATION

(To be filled on daily basis by the participants)

Name
(Optional): _____

The participants were requested to complete the following Questionnaire on a daily basis to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvement in the present as well as future courses and this to be discussed in the Seminar-X.

Sl. No.	Date	Lecture	Speaker	Did it meet the Objective		Quality of the material provided			Quality of the Lecture			Other remarks	Suggestions	
				Yes	No	Better than expected.	About what was expected.	Less than was expected.	Well prepared	Should have been prepared better	Theoretically Oriented.			Practically Oriented.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1. 30.11.1986. Forecasting. Majeed
2. 30.11.1986. Pak Maritime Transport. Bhojbal
3. 30.11.1986. Forecasting Moduel. Majeed
4. 01.12.1986. Urban Transport Planning. Sani
5. 01.12.1986. Managing Urban Bus Transport. Qasim

8TH PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS PLANNING

(Islamabad 10th November - 20th December, 1986)

FIFTH WEEK

(7th Dec. - 11th Dec. 1986)

WEEKLY EVALUATION

(To be filled on daily basis by the participants)

Name
(Optional):

The participants were requested to complete the following Questionnaire on a daily basis to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvement in the present as well as future courses and this to be discussed in the Seminar-X.

Sl. No.	Data	Lecture	Speaker	Did it meet the Objective		Quality of the material provided			Quality of the Lecture					suggestions
				Yes	No	Better than expected.	About what was expected.	Less than was expected.	Well prepared.	Should have been prepared better.	Theoretically Oriented.	Practically Oriented.	Other remarks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1. 07.12.1986. The Most Critical issue in Transport. Mir
2. 07.12.1986. Traffic Management. Briggs
3. 07.12.1986. Probability Analysis. Malik
4. 08.12.1986. Role and Performance of P.T.A. Gul
5. 08.12.1986. Aircraft Investment Decision. Gul

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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6. 08.12.1986. Sofre Rail Study. Ghasudin

7. 09.12.1986. Managing Railways-I. Ghasudin

8. 09.12.1986. Managing Railways-II. Ghasudin

9. 09.12.1986. Highway Safety-I. Swati

10. 10.12.1986. Highway Safety-II. Swati

11. 10.12.1986. Containerization. Mansoor

DETAILS OF EXPENDITURE

1. Inaugural Session:

Tea/Light Refreshment	Rs.	1,221.00
Invitation Cards	Rs.	960.00
Banner	Rs.	275.00
Sub-Total (1)	Rs.	<u>2,456.00</u>

2. Speakers:

Travelling Allowance	Rs.	11,416.00
Daily Allowance	Rs.	1,440.00
Hotel Charges	Rs.	1,020.00
Lecture Fee @Rs. 300/=per lecture	Rs.	18,900.00
Sub-Total (2)	Rs.	<u>32,776.00</u>

3. Transport:

Fuel for office vehicle deputed for the Course.	Rs.	4,962.00
Repair of office vehicles deputed for the Course.	Rs.	456.00
Transport hired for Field Visits to Nowshera-Peshawar.	Rs.	3,500.00
Transport Hired at Karachi during Field Visits.	Rs.	6,012.00
Transport Hired at Lahore during Field Visits.	Rs.	1,606.00
Sub-Total (3)	Rs.	<u>16,536.00</u>

4. Refreshment:

Tea/Refreshment served to the participants during the course	Rs.	4,580.00
Sub-Total (4)	Rs.	<u>4,580.00</u>

5. Stationery:

Stationery used during the Course.	Rs.	3,201.00
Sub-Total (5)	Rs.	<u>3,201.00</u>

6.	<u>Lecture Hall:</u>	
	Wall Clock	Rs. 200.00
	Furnitre	Rs. 11,500.00
	Carpet	Rs. 8,105.00
	Electric Appliances/Lights	Rs. 4,833.00
	White Board	Rs. 4,800.00
	Others	Rs. 503.00
	Sub-Total (6)	<u>Rs. 29,941.00</u>
7.	<u>Field Visits:</u>	
	T/A, D/A for course orgainzer	Rs. 440.00
	T/A, D/A Hotel Charges of officer of this centre	Rs. 4,620.00
	Lunch served to the Guest Speakers/part- icipants during the field visits.	Rs. 1,723.00
	Sub-Total (7)	<u>Rs. 6,783.00</u>
8.	<u>Photo Stat:</u>	Rs. 1,346.00
9.	<u>Honoraria (Proposed):</u>	Rs. 9,600.00
10.	<u>Printing:</u>	Rs. 1,904.00
11.	<u>Miscellaneous:</u>	Rs. 1,899.00
	Grand Total(1-11)	<u>Rs. 111,022.00</u>

TOTAL NUMBER OF PERSONS TRAINED IN DIFFERENT
TRANSPORTATION PROJECTS PLANNING COURSES

S. No.	Name of Organization	First Course Oct., 28 - Nov., 29, 1976	Second Course Sept., 19 - Oct., 23, 1977	Third Course Oct., 1 - Nov., 25, 1978	Fourth Course Sept., 15 - Oct., 25, 1979	Fifth Course Nov., 13 - Dec., 15, 1983	Sixth Course Oct., 7 - Nov., 15, 1984	Seventh Course Nov., 3 - Dec., 12, 1985	Eighth Course Nov., 3 - Dec., 18, 1986	Total Cois., (3-10)
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1.	Planning Division, Islamabad.	1	1	1	2	-	1	-	-	6
2.	Ministry of Communica- tions Islamabad.	-	1	-	2	-	-	-	-	3
3.	Statistics Division, Karachi.	-	-	-	1	-	-	-	-	1
4.	Aviation Division.	-	-	1	-	-	-	-	-	1
5.	Civil Aviation Authority.	-	-	1	1	-	2	-	-	4
6.	Pakistan International Airlines.	1	6	3	1	-	2	2	1	16
7.	A.D.A.	1	1	2	-	1	-	-	-	5
8.	M/o Railway, Islamabad.	1	-	2	-	-	1	-	1	5
9.	Railway, Board Lahore.	2	3	3	2	-	-	-	-	10
10.	Pak FWD.	-	1	-	-	-	-	-	-	1
11.	F.W.O.	1	1	-	1	2	-	-	-	5
12.	N.S.C./P.N.S.C.	-	1	1	1	1	1	-	1	6
13.	Port Qasim Authority.	1	1	1	1	2	1	1	1	9
14.	ISHB/NHB.	2	-	2	1	2	-	-	1	8
15.	NEPAK	2	2	-	-	1	2	1	2	10
16.	B&R Deptt. NWFP	2	2	1	-	-	-	-	-	5

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
17.	C&W Deptt. NWFP	-	-	1	-	2	-	1	-	4
18.	G.T.S. NWFP	1	-	-	-	1	-	-	1	3
19.	P&D Deptt. Punjab.	-	-	1	-	-	-	-	-	1
20.	C&W Deptt Punjab	2	-	-	-	-	-	-	-	2
21.	Punjab Highway Deptt.	-	1	-	1	-	1	-	-	3
22.	Punjab Building Deptt.	-	-	-	1	-	-	-	-	1
23.	P.R.T.B.	2	-	-	-	-	-	-	-	2
24.	Punjab Urban Transport.	-	-	-	1	1	1	2	-	5
25.	P&D Deptt. Baluchistan.	-	1	-	-	-	-	-	-	1
26.	C&W Deptt. Baluchistan.	-	1	-	1	-	-	-	-	2
27.	B&R Deptt. Baluchistan.	-	-	2	-	-	-	-	-	2
28.	FWD Deptt. Azad Kashmir.	-	-	1	1	1	-	-	-	3
29.	R&W Deptt. Azad Kashmir	1	-	1	-	-	-	-	-	2
30.	C&W Deptt. Azad Kashmir.	-	1	-	-	-	-	-	-	1
31.	S.R.T.C. Hyderabad.	-	1	-	-	-	-	-	-	1
32.	Karachi Transport Corporation.	-	-	-	1	1	1	-	-	3
33.	P.A.C.O. Karachi.	-	-	-	1	-	-	-	-	1
34.	C.D.A. Islamabad.	-	-	-	1	1	-	-	1	3
35.	N.E.D. University of Engg: & Technology, Karachi.	-	-	-	1	-	-	-	-	1

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
36. Police, Sind, Karachi	-	-	-	-	-	1	-	1	-	2	2
37. N.I.P.A.,	1	-	-	-	-	-	-	-	-	-	1
38. Republic Engineering Corporation.	1	-	-	-	-	-	-	-	-	-	1
39. Karachi Port Trust	-	-	-	-	-	-	1	1	-	1	3
40. Army Service Corps.	-	-	-	-	-	-	9	10	2	4	25
41. Faisalabad Development Authority.	-	-	-	-	-	-	1	-	-	-	1
42. Engineering-in-Chief Branch (GHQ).	-	-	-	-	-	-	1	-	-	-	1
43. Commissioner Peshawar Division.	-	-	-	-	-	-	1	-	-	-	1
44. University of Engg. & Technology, Lahore.	-	-	-	-	-	-	-	1	-	-	1
45. NATCO	-	-	-	-	-	-	-	1	-	-	1
46. C&W Deptt. Karachi	-	-	-	-	-	-	-	-	1	-	1
47. Multan Development Authority.	-	-	-	-	-	-	-	-	1	-	1
48. Accountant General of Pakistan.	-	-	-	-	-	-	-	-	3	-	3
49. M/O Petroleum & Natural Resources.	-	-	-	-	-	-	-	-	1	-	1
50. National Logistic Cell.	-	-	-	-	-	-	-	-	-	1	1
51. Local Government & Rural Development, Azad Kashmir.	-	-	-	-	-	-	-	-	-	1	1
52. Member SAARC country (Bhutan).	-	-	-	-	-	-	-	-	-	1	1
Total :-	22+1 (Obs)	25	24	23	29+1 (Obs)	27	15	17	183+2 (Obs)		