

NATIONAL TRANSPORT RESEARCH CENTRE

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REPORT ON  
SEVENTH PLANNING COMMISSION COURSE

ON

TRANSPORTATION PROJECTS PLANNING  
(NOVEMBER-DECEMBER, 1985)

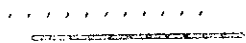
NAEEM ULLAH  
COURSE ORGANIZER

NTRC- 91

DECEMBER, 1985

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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 and Seventh Courses were organized entirely with own resources.

The 7th Course was held from 3rd November, 1985 to 12th December, 1985. The course was formally inaugurated by the Secretary, Planning and Development Division on 3rd November, 1985. In his address the Secretary emphasised the point that the most important element in the improvement of the country's transportation system was the proper identification, selection, planning, designing and implementation of individual projects. He stressed that in his view there was a special need to promote proper expertise among our Engineers and Planners for identification, planning, design and execution of projects. He also pointed out the necessity of taking into account all technically feasible selections preparing cost estimates for each, and selecting the one which was more cost effective. He stressed that this was especially necessary in a country with limited resources as ours.

He concluded that a multiple choice involves hard-work, sharpens the planning process and also provides new thoughts and helps in taking a more rational decision.

2. NOMINATIONS:

The Course announcement, nomination/application forms (Annex-I) were sent to over hundred departments/agencies/ concerned persons as per list given in Annexure-II. Agencies were asked to nominate their candidates only if they were fully qualified both by their previous training and experience and by the relevance of their jobs with their intended training. Announcement/application forms were sent to the agencies on

16th April, 1985. The closing date for nomination was 15th August, 1985. By due date 23 nominations from 15 different agencies were received (Annex-III). Out of 23 nominations only 15 participants could attend the Course. Particulars of the participants and their respective organizations may be seen at Annexure-IV.

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 topics 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. 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-V.

5. PARTICIPANTS:

All the participants who attended the course held responsible positions in their respective departments such as Pakistan International Airlines, Punjab Road Transport, Transport Directorate of GHQ, Port Qasim Authority, NESPAK, Petroleum and Natural Resources, Multan Development Authority, Office of Accountant General of Pakistan, Communication and Works Department Sind/NWF Provinces. The list may be seen at Annexure-IV.

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, ports aviation etc. These 66 lectures were delivered by 31 speakers. NTRC, as usual has been quite selective about the persons who deliver these lectures in their own specialised fields. The 31 speakers including three 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 views 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 of Annexure-VI.

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 publication 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-VII.



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-VIII.

11. FIELD VISITS:

This centre had been organizing some field visits at the end of each course. In the previous course NTRC had arranged for one week field visits but the participants of that course 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-IX.

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-X.

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. 89,155/- may be seen in Annexure-XI.

15. LIST OF FELLOWS:

Including the 7th course, 168 candidates have so far been trained in Transportation Projects Planning. The list can be seen at Annexure-XII.

16. ACKNOWLEDGEMENT:

National Transport Research Centre, Planning and Development Division would like to place on record the cooperation extended to it by the various agencies notably Pakistan Railways Board, Punjab Road Transport Corporation, Pakistan National Shipping Corporation, Pakistan International Airlines Corporation, Republic Motors, Karachi Shipyard Engineering Works, Karachi Traffic Engineering Bureau, Port Qasim Authority and Karachi Port Trust. It owes special thanks to the Punjab Road Transport Corporation who provided the facility of free Transport Service to the course participants during their field visit to Lahore from 4th to 5th December, 1985.

No.NTRC-15(7)/85.  
GOVERNMENT OF PAKISTAN  
PLANNING COMMISSION  
NATIONAL TRANSPORT RESEARCH CENTRE

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Telephone: Islamabad 826282  
Telex: 5717 PLAN PK

Cable: PLANCOM  
ISLAMABAD

ANNOUNCEMENT OF

SEVENTH PLANNING COMMISSION COURSE ON TRANSPORTATION PROJECTS  
PLANNING:

(Closing Date of Nominations: 15th August, 1985)

The Seventh Planning Commission Course on Transportation Project Planning will be held at Islamabad from 3rd November, to 12th December, 1985. Federal and Provincial Government Departments 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 participate in 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.

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, 36-Nazimuddin Road, F-7/1, Islamabad by 15th August, 1985

The Admission Committee will complete the selection of participants by 15th September, 1985 and nominating agencies will be notified of results as promptly as possible thereafter.

- 11 -

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 account 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.

Sd/-

( M. KAZIM IDRIS )  
DEPUTY CHIEF  
For Course Director

Encl: As above (2 copies)  
16th April, 1985

To

As per address on the envelope

GOVERNMENT OF PAKISTAN  
PLANNING COMMISSION  
NATIONAL TRANSPORT RESEARCH CENTRE

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NOMINATION AND APPLICATION FOR ADMISSION  
Course on Transportation Project Planning

1985

October-November

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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 1985 Course on  
Transportation Projects Planning

If the candidate is accepted for this Course, the nominating  
official agrees 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 authorized to  
sign this nomination for agency  
(please print or type)

---

Name & 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. 15th August, 1985) to

CHIEF(NTRC), PLANNING COMMISSION  
GOVERNMENT OF PAKISTAN, 36-NAZIMUDDIN ROAD,  
F-7/1, ISLAMABAD (Tele: 826282/829936 or 829903)

To be completed by applicant: PLEASE TYPEWRITE IN ENGLISH

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

(Attach in this space a  
photo-graph taken within  
the past year)

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 and 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



Name of Applicant .....

=====

EDUCATION

Universities, technical or special schools (Do not list schools below university level)

Name of School, Place & Country	Type of School	From (Year)	To (Year)	Degrees & academic distinctions

Others training programmes abroad (give dates, locations and subjects covered)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Additional experience, membership on commissions or committees, publication, travel foreign assignments, participation in special projects, international conferences, etc.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Please provide a statement explaining why you are applying for this Course, in what way it relates to your work, what you hope to derive from it and how you expect your training to benefit your agency

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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,  
Govt. of Azad Jammu & Kashmir,  
Muzaffarabad.
8. The Chief Engineer,  
Buildings & Road Department,  
Government of NWFP,  
Peshawar.

Annex - II (Contd)

9. The Chief Engineer (Development),  
Building & Roads Department,  
Government of NWFP,  
Peshawar.
10. The Chief Engineer,  
Central Design Office,  
E&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-4.
22. The Managing Director,  
Airport Development Agency,  
G-6, KDA., Scheme No 1,  
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,  
Development Authority,  
KDA - Building,  
Shahrah-e-Kamal Attaturk,  
Karachi.

28. The Chairman,  
Development Authority,  
Lahore.
29. The Chairman,  
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,  
Development Authority,  
Lahore.
35. The Director General,  
Development Authority,  
Multan.
36. The Director General,  
Development Authority,  
Faisalabad.
37. The Director General,  
Development Authority,  
Hyderabad.
38. The Director General,  
Development Authority,  
Quetta.
39. The Member (Technical),  
Capital Development Authority,  
Islamabad.

40. The Secretary,  
Hyderabad Development Authority,  
38-A, G.O.P. Colony,  
Hyderabad.
41. The Administrator,  
Municipal Corporations,  
Rawalpindi.
42. The Administrator,  
Municipal Corporations,  
Lahore.
43. The Administrator,  
Municipal Corporations,  
Faisalabad.
44. The Administrator,  
Municipal Corporations,  
Karachi.
45. The Administrator,  
Municipal Corporations,  
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 and 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,  
Muzaffarabad.
58. The Secretary (Transport),  
Government of the 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-9.
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,  
Abbotabad.
88. The Commissioner,  
Malakand.

39. 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.

Annex - II (Contd)

102. The Managing Director,  
NESPAK Ltd.,  
417-WAPDA House,  
Shahrah-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. Mt. Amanullah,  
District Manager,  
P.U.T.C.,  
Rawalpindi.
106. Auditor General of Pakistan,  
Gulberg No.III,  
Gurro Manghat,  
Lahore.

LIST OF NOMINATED CANDIDATES

S.No.	Name	Designation	Department
1.	Mr. Ghulam Ishaq Khan	Assistant Chief	Planning & Development Division, Islamabad.
2.	Mr. Shahid Iqbal	Research Officer	Planning & Development Division, Islamabad.
3.	Mr. Mohammad Iqbal Mughal	Planning Officer	Planning & Development Department, Karachi.
4.	Mr. Ghulam Hussain Shah	Economic Planning Officer	Pakistan International Airlines, Karachi.
5.	Mr. Sabir Ali Sabri	Financial Analyst	Pakistan International Airlines, Karachi.
6.	Mr. Tahir S. Durrani	Principal Engineer	National Engineering Service Pakistan Ltd. Lahore.
7.	Mr. Sajid Amin	Junior Engineer	National Engineering Service Pakistan Ltd. Lahore.
8.	Mr. S.S. Farooq Kazi	Assistant Engineer	Communication & Works Department, Karachi.
9.	Mr. Daulat Khan	Executive Engineer	Communication & Works Department, NWFP.
10.	Mr. Jamilur-Rehman	Executive Engineer (Dev)	Communication & Works Department, NWFP.
11.	Mr. Mohammad Asif	Principal C.T.T.I	Punjab Road Transport Corporation, Lahore.
12.	Mian Naeemuddin Qureshi	District Manager	Punjab Road Transport Corporation, Lahore.

Annex - III

13. Mr. Irshad Ahmed Sheikh	Manager Works	Port Qasim Authority, <u>Karachi.</u>
14. Mr. Everest David John.	Dy. Director (Master Planning Cell)	Multan Development Authority, <u>Multan.</u>
15. Mr. Muhammad Jamil Bhatti.	Dy. Director	Office of the Auditor General of Pakistan, <u>Lahore.</u>
16. Mr. Faqir Kiaz Asif.	Assistant Account- tant General	Office of Auditor General of Pakistan, <u>N.W.F.P.</u>
17. Mr. Arshad Ali Qureshi.	Assistant Dir- ector	Office of the Auditor, General of Pakistan, <u>Karachi.</u>
18. Mr. S. D. Mengal.	Project Director	Korangi Fisheries Harbour Authority, <u>Karachi.</u>
19. Mr. M. M. Qaisar.	Deputy Chief Eng. Head Quarter, <u>Lahore.</u>	Pakistan Railways, <u>Lahore.</u>
20. Mr. Arjum Mughal.	Deputy Manager/ Acting Manager	Pakistan Tourism Development Corporation, <u>Islamabad.</u>
21. Major Mohammad Azhar.	Major	General Head Quarters, <u>Rawalpindi.</u>
22. Major Saeed Akhtar.	Major	General Head Quarters, <u>Rawalpindi.</u>
23. Major Tariq Masood.	Major	General Head Quarters, <u>Rawalpindi.</u>
24. Mr. Mohammad Rafique.	Director (Oil Movement)	Ministry of Petroleum & Natural Resources, <u>Islamabad.</u>

LIST OF THE PARTICIPANTS  
WHO ATTENDED THE COURSE

<u>S.No.</u>	<u>Name of the Participants</u>
1.	Mr. Ghulam Hussain Shah, Economic Planning Officer, Pakistan International Airlines, <u>Karachi.</u>
2.	Mr. Sabir Ali Sabri, Financial Analyst, Pakistan International Airlines, <u>Karachi.</u>
3.	Mr. Tahir S. Durrani, Principal Engineer, National Engineering Service Pakistan Ltd., <u>Lahore.</u>
4.	Mr. S. S. Farooque Kazi, Assistant Engineer, Communication & Works Department, <u>Karachi.</u>
5.	Mr. Daulat Khan, Executive Engineer, Communication & Works Department, <u>NWFP.</u>
6.	Mr. Mohammad Asif, Principal C.T.T.I., Punjab Road Transport Corporation, <u>Lahore.</u>
7.	Mian Naeemuddin Qureshi, District Manager, Punjab Road Transport Corporation, <u>Lahore.</u>
8.	Mr. Irshad Ahmad Sheikh, Manager Works, Port Qasim Authority, <u>Karachi.</u>

Annex - IV

9. Mr. Everest Javid John,  
Deputy Director (Master Planning Cell),  
Multan Development Authority,  
Multan.
10. Mr. Muhammad Jamil Bharti,  
Deputy Director Lahore,  
Office of the Auditor,  
General of Pakistan,  
Lahore.
11. Mr. Faqir Riaz Asif,  
Assistant Accountant General,  
Peshawar.
12. Mr. Arshad Ali Qureshi,  
Assistant Director, Karachi,  
Office of the Auditor General of Pakistan,  
Karachi.
13. Major Mohammed Azhar,  
Major,  
General Headquarters,  
Rawalpindi.
14. Major Tariq Masood,  
Major,  
General Headquarters,  
Rawalpindi.
15. Mr. Mohammed Rafique,  
Director (Oil Movement),  
Ministry of Petroleum & Natural Resources,  
Islamabad.

7TH PLANNING COMMISSION COURSE  
ON  
TRANSPORTATION PROJECTS PLANNING  
3.11.85 to 12.12.85

SESSION 'A' - 0830 - 1030  
TEA BREAK - 1030 - 1100  
SESSION 'B' - 1100 - 1300  
LUNCH BREAK - 1300 - 1430  
SESSION 'C' - 1430 - 1630

SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		
1	A	3.11.85 INAUGURATION	4.11.85 CURRENT ECONOMIC SITUATION-I KAMAL	5.11.85 TRANSPORT PRIORITIES FOR 5TH PLAN MIR	6.11.85 TRANSPORT SYSTEM ANALYSIS ANALYTICAL TECHNIQUES BRIGGS	7.11.85 TRANSPORT DATA REQUIREMENTS MASUD	8.11.85							
	B		HISTORICAL DEVELOPMENT IN PAKISTAN MAJEED	INTRODUCTION TO TRANSPORT SYSTEM ANALYSIS BRIGGS	ROLE OF TRANSPORT IN DEVELOPMENT MASUD	R&D REQUIREMENT OF TRANSPORT MASUD	HURREE							
	C		COMPOUNDING & DISCOUNTING MAJEED	TRANSPORT SYSTEM ANALYSIS - METHODOLOGY BRIGGS	SOCIAL IMPLICATIONS OF TRANSPORT DEVELOPMENT MASUD	PROJECT CYCLE ANIS								
2	A	10.11.85 TECHNOLOGICAL INNOVATION IN TRANSPORT RAZA	11.11.85 INTRODUCTION TO MICRO ECONOMICS-I MAJEED	12.11.85 TRANSPORT PRICING MAJEED	13.11.85 TRANSPORT PLANNING METHODOLOGY MAJEED	14.11.85 MANAGEMENT INFORMATION SYSTEM-I KHAN	15.11.85	16.11.85 SECOND CARRIAGEWAY PESHAWAR - NOWSHERA						
	B		INTRODUCTION TO MICRO ECONOMICS-II MAJEED	OPERATIONS RESEARCH-I ALI	COST-BENEFIT ANALYSIS MAJEED	MANAGEMENT INFORMATION SYSTEM-II KHAN	TERBELA							
	C		TECHNICAL APPRAISAL OF TRANSPORT PROJECTS MIR	OPERATIONS RESEARCH-II ALI	FORECASTING MAJEED	MANAGEMENT INFORMATION SYSTEM-III KHAN								
3	A	17.11.85 FINANCIAL ANALYSIS-I ABDULLAH	18.11.85 CRITICAL PATH METHOD-I SABEEDAZA	19.11.85 COST ACCOUNTING-I KHAWAJA	20.11.85 DEVELOPMENT ROAD CASE STUDY RAZA	21.11.85 HIGHWAY SAFETY IN PAKISTAN II SWATI	22.11.85	23.11.85 VISIT TO CARRIGE FACTORY						
	B		CRITICAL PATH METHOD-II SABEEDAZA	COST ACCOUNTING-II KHAWAJA	COST ACCOUNTING-III KHAWAJA	ROAD FREIGHT TRANSPORT IN PAKISTAN MINE	TAXILA							
	C		INDUS SUPER HIGHWAY SWATI	COST ACCOUNTING - III KHAWAJA	HIGHWAY SAFETY IN PAKISTAN SWATI	IMPACT OF ENERGY SHORTAGES ON TRANSPORT PLANNING CUNDILL								
4	A	24.11.85 URBAN TRANSPORT PLANNING SANI	25.11.85 FEEDER ROADS RAZA	26.11.85 HOLIDAY	27.11.85 ECONOMIC IMPLICATIONS OF ROAD MAINTENANCE RAZA	28.11.85 MANAGING PORTS RAB	29.11.85	30.11.85						
	B		RISK UNCERTAINTY MALIK		PROBABILITY ANALYSIS ALI	ROAD ROUGHNESS MEASURING TECH. CUNDILL								
	C		PROBLEMS ENCOUNTERED IN CONST./MAINT. OF ROADS RAZA		THE MOST CRITICAL ISSUES IN TRANSPORT MASUD	PUBLIC TRANSPORT - I BRIGGS								
5	A	1.12.85 NATIONAL HIGHWAY PLANNING ZAKA	2.12.85 MANAGING RAILWAYS HUSSAIN	3.12.85 AIRCRAFT INVESTMENT DECISION DUL	4.12.85 DEP. FOR LAHORE and MOGHALPURA WORKSHOP 13.12.85-14.12.85	5.12.85 ROAD RESEARCH INSTITUTE 14.12.85-15.12.85	6.12.85	7.12.85 PORT GASIM and PIPRI						
	B		AIRPORT PLANNING IN PAKISTAN AMIR	INLAND WATER TRANSPORT MIR	MOGHALPURA WORKSHOP 15.12.85-16.12.85	PUNJAB URBAN TRANSPORT CORPORATION	KARACHI - HYDERABAD							
	C		ROLE & PERFORMANCE OF P.L.A. BUL	DESIGN OF TRANSPORT TERMINALS AND INTERCHANGES BRIGGS	LAHORE DRY PORT 17.12.85 - 18.12.85	DEP. FOR KARACHI	SUPER HIGHWAY PERMANENT TRAFFIC COUNT STATION - 09							
6	A	8.12.85 KARACHI TRAFFIC ENGINEERING BUREAU 08.00 - 09.00 PM	9.12.85 REPUBLIC MOTORS 09.00 - 10.00 PM	10.12.85 P. I. A. C. 09.00 - 10.00 PM	11.12.85 CONTAINERIZATION BEG	12.12.85 DISPERSE	13.12.85							
	B													
	C		PAKISTAN NATIONAL SHIPPING CORPORATION 10.00 - 11.00 PM	I USING CONSULTANTS II PORT PLANNING MIR - 14.12.85 KARACHI FORT TRUST 14.12.85-15.12.85										



LIST OF SPEAKERS

<u>S.No.</u>	<u>Name of the Speaker</u>	<u>Subject of the Lecture</u>
1.	Dr. A.R. Kamal, Joint Economic Adviser, Ministry of Finance, Secy: Block-15, Islamabad.	Current Economic Situation
2.	Mr. Abdul Majeed, Deputy Chief, NTRC, Planning Commission Islamabad.	i) Compounding & Discounting Techniques ii) Historical Development of Transport in Pakistan iii) Introduction to Micro Economic-I iv) Introduction to Micro Economic-II v) Transport Pricing vi) Cost Benefit Analysis vii) Forecasting.
3.	Mr. Sadaqat Hassan Mir, Managing Director, Energy Planning Cell, Planning Commission, Islamabad.	i) Transport Priorities for Sixth Plan ii) Technical Appraisal of Transport Projects. iii) Inland Water Transport.
4.	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.
5.	Col. Tahir Masood, US-AID, Islamabad.	i) Role of Transport in Development ii) Social Implication of Transport in Development iii) Transport Data Requirements. vi) R&D Requirement of Transport v) The most Critical Issue in Transport.
6.	Mr. Anis Mahmood, Research Economist, P.I.D.E., Islamabad.	Project Cycle

S.No.	Name of the Speakers	Subject of the Lectures
7.	Col. Raza Hussain Shah, Project Director, Federal & Rural Dev., Engineering Cell, Islamabad.	i) Technical Innovation in Transport ii) Transport Planning Methodology iii) Development Road (Case Study) iv) Feeder Roads v) Problems Encountered in Construction/Maintenance of Roads vi) Economics Implications of Road Maintenance.
8.	Mr. Shah Muhammad Chaudhry, Director General, Evaluation & Monitoring Section, Planning and Development Division, Islamabad.	Project Monitoring & Evaluation
9.	Dr. M. Abdullah, Chairman, Electrical Engineering Department, University of Engineering, Peshawar.	Energy Requirements of Transport.
10.	Dr. S. Mohammad Ali Shah, Director, Cabinet Sectt; O&M Division, Islamabad.	i) Operation Research-I ii) Operation Research-II iii) Risk & Uncertainty. iv) Probability Analysis.
11.	Dr. Amanullah Khan, Managing Director, Computer Applied Software, Hardware Enterprises, Islamabad.	i) Management Information System - I ii) Management Information System - II iii) Management Information System-III
12.	Mr. Zaheer Ahmad Butt, Assistant Professor, Department of Business Administration, University of Punjab, Lahore.	i) Financial Analysis-I ii) Financial Analysis-II iii) Financial Analysis-III.

S.No.	Name of the Speakers	Subject of the Lecture
13.	Miss Shamim A. Sahibzada, Chief, Training Programme, Pakistan Institute of Development Economics, Islamabad.	i) Critical Path Method-I ii) Critical Path Method-II
14.	Mr. M. Sadig Swati, Chief, National Transport Research Centre, Planning Commission, Islamabad.	i) Highway Safety in Pakistan-I ii) Highway Safety in Pakistan-II iii) Indus Super Highway.
15.	Mr. Khawaja Amjad Saeed, Chairman, Department of Business Administration, University of Punjab, Lahore.	i) Cost Accounting-I ii) Cost Accounting-II iii) Cost Accounting-III.
16.	Mr. Imtiaz Ahmad Khan, Chief Statistical Officer, Federal Bureau of Statistics, Karachi.	Sampling Techniques.
17.	Mr. John Hine, T.C.O., NTRC, Planning Commission, Islamabad.	Road Freight Transport of Pakistan.
18.	Dr. Michael Cundill, TRRL, <u>U.K</u>	Impact of Energy Shortages on Transport Planning.
19.	Mr. Pervez Sani, Govt. College of Technology, Peshawar.	Urban Transport Planning
20.	Brig.(Rtd) S.S.A. Qasim, Ex-Managing Director, K.T.C., Karachi.	Managing Urban Bus Transport.

<u>S.No.</u>	<u>Name of the Speakers</u>	<u>Subject of the Lectures</u>
21.	Mr. Mahmood Athar Zaka, Joint Secretary, Ministry of Defence, Pak. Secretariat, Rawalpindi.	Decision Theory.
22.	Commodor S.F. Rab, General Manager(Operatation), K.P.T., Karachi.	Managing Ports.
23.	Brig. Khalid M. Amin, Director General, National Highways Board, Islamabad.	National Highway Planning.
24.	Mr. Ghias-ud-Din, Director, Research & Training, Pakistan Railways, Lahore.	Sofre Rail Study.
25.	Mr. Aslam Hussain, General Manager, Railway Board, Lahore.	Managing Railways.
26.	Group Captain Maqsood Amir, Acting Director Project, Civil Aviation Authority, Karachi.	Airport Planning in Pakistan.
27.	Mr. Badshah Gul, General Manager, Corporate Planning Deptt; P.I.A., Karachi.	i) Role and Performance of PIA ii) Aircraft Investment Decision
28.	Lecture on "Role of Port Qasim" was delivered at Port Qasim Authority, Karachi on 7th December, 1985, by Rear Admiral A. Waliullah, Chairman, P.Q.A., Karachi.	

29. Lectures on "Pakistan Maritime Transport" and "Role of Pakistan National Shipping" were delivered at P.N.S.C. Building, Karachi on 8th December, 1985 by Captain S.I. Haqvi, Pakistan National Shipping Corporation.
30. Lectures on "Using Consultants" and "Port Planning" were delivered at K.P.T. on 10th December, 1985 by Mr. Farooque Anwar Chaudhry, Project Manager, Planning and Development Division, Karachi Port Trust.
31. Lecture on "Containerization" was delivered at P.N.S.C. Building, Karachi on 11th December, 1985 by Rear Admiral Naeem Beg, Additional Secretary/Director General, Ports and Shipping (Wing), Ministry of Communication, Karachi.

DETAILS OF COURSE MATERIAL DISTRIBUTED  
AMONG THE PARTICIPANTS

Sl. No.	Topics	Material Provided by NTRC and Speakers
1.	2.	3.
1.	Historical Development of Transport in Pakistan.	Handout on "Historical Development of Transport in Pakistan" by Mr. Abdul Majeed, Deputy Chief, NTRC.
2.	Compounding and Discounting Techniques.	Compounding & Discounting tables for Project Evaluation distributed and produced by Mr. Abdul Majeed, Deputy Chief, NTRC.
3.	Transport Priorities for Sixth Plan.	Material on Strategic Objective by Mr. Sadaqat Hassan Mir, Planning Commission, reproduced by NTRC.
4.	Introduction to Transport System Analysis.	Handout on "Introduction to Transport System Analysis" by Professor David A. Briggs, TCO, NTRC.
5.	Transport System Analysis Methodology.	Handout on "Transport System Analysis Methodology" by Professor David A. Briggs, TCO, NTRC.
6.	Role of Transport in Development.	Material written by Lt.Col. Tahir Masoud, reproduced by NTRC.
7.	Social Implication of Transport Development.	Material written by Lt. Col. Tahir Masoud, reproduced by NTRC.
8.	Transport Data Requirements.	Material written by Lt. Col. Tahir Masoud, reproduced by NTRC.
9.	R&D Requirement of Transport.	Material written by Lt. Col. Tahir Masoud, reproduced by NTRC.
10.	Project Cycle	a) Material of World Bank on Project Cycle, reproduced by NTRC. b) PC-I Proformae

1.	2.	3.
11. 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.	
12. Project Monitoring and Evaluation.	Handout on "Project Monitoring and Evaluation" by Shah Muhammad Ch. Director General, Evaluation and Monitoring Section.	
13. Energy Requirement of Transport.	a) Handout on Energy Requirement in Transport by Dr. M. Abdullah, Chairman, Electrical Engineering, University of Engg., Peshawar. b) "Fuel Consumption Study" by Mr. Abdul Majeed, Deputy Chief, NTRC.	
14. Introduction to Micro Economics - I.	Handout on Micro Economics by Mr. Abdul Majeed, Dy. Chief, NTRC.	
15. Introduction to Micro Economics - II.	Handout on Micro Economics by Mr. Abdul Majeed, Dy. Chief, NTRC.	
16. Technical Appraisal of Transport Project.	a) "A Manual for the Economic Appraisal of Transport Project" by Planning Commission. b) "Technical Appraisal of Transport Projects" by T&C Section, Planning Commission, reproduced by NTRC.	
17. Transport Pricing.	Handout on Transport Pricing by Mr. Abdul Majeed, Dy. Chief, NTRC.	
18. Operation Research-I.	Handout on Operation Research-I by Dr. S. Muhammad Ali Shah, Director, Cabinet Sectt. O&M Division.	
19. Operation Research-II.	Handout on Operation Research-II by Dr. S. Muhammad Ali Shah, Director, Cabinet Sectt. O&M Division.	

1.	2.	3.
20.	Transport Planning Methodology.	Handout on "Planning Methodology" by Col. Raza Hussain Shah, Project Director, Engineering Cell, Ministry of Local Govt. and Rural Development.
21.	Cost Benefit Analysis	Handout on Transport Pricing by Mr. Abdul Majeed, Dy. Chief, NTRC.
22.	Forecasting.	Handout on Transport Pricing by Mr. Abdul Majeed, Dy. Chief, NTRC.
23.	Financial Analysis-I.	Handout on "Financial Statement Analysis" by Mr. Zaheer Ahmad Butt, Asstt. Professor, Deptt. of Business Administration, University of Punjab, Lahore.
24.	Financial Analysis-II.	- do -
25.	Financial Analysis-III.	- do -
26.	Critical Path Method-I.	Handout on the topic by Miss Shamim A. Sahibzada, Chief Evaluation Section, P.I.D.E.
27.	Critical Path Method-II.	Handout on the topic by Miss Shamim A. Sahibzada, Chief Evaluation Section, P.I.D.E.
28.	Indus Super Highway.	Material on Indus Super Highway by Mr. M. Sadiq Swati, Chief, NTRC.
29.	Cost Accounting-I.	Handout on "Cost Accounting" by Khawaja Amjad Saeed, Chairman, Deptt. of Business Administration, Punjab University, Lahore.
30.	Cost Accounting-II.	- do -
31.	Cost Accounting-III.	- do -
32.	Development Road (Case Study).	Material of World Bank on Construction of a development Roads", reproduced by NTRC.
33.	Sampling Technique	Handout on Sampling Technique given by Mr. Imtiaz Ahmad Khan, Chief Statistical Officer, Federal Bureau of Statistics.



1.	2.	3.
34.	Highway Safety in Pakistan-I.	Material on "Highway Safety in Pakistan" by Highway Safety Wing, Ministry of Communications.
35.	Highway Safety in Pakistan-II.	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.
36.	Urban Transport	Handout on "Management of Urban Transport Planning Process" by Mr. S.Pervez Sani, Govt. College of Technology, Peshawar.
37.	Risk and Uncertainty.	Handout of World Bank on "Risk and Uncertainty", reproduced by NTRC.
38.	Economic Implication of Road Maintenance.	Material of World Bank on "Socialological Implication of Transport", reproduced by NTRC.
39.	Critical Issues in Transport.	Handout on "Critical Issues in Transport Planning" by Col. Tahir Masood, US-AID.
40.	National Highway Planning.	Handout on "Highway Planning" by Brig. Khalid M. Amin, Director General, National Highways Board.
41.	Pakistan Maritime Transport.	Material on "Pakistan Maritime Transport Study", reproduced by NTRC.

Annex-VII (Contd.)

1.	2.	3.
42.	Managing Ports	Material on Managing Ports provided by K.P.T. and reproduced by NTRC.
43.	Role and Performance of PIA.	Material on Role & Performance of PIA by General Manager, PIA.
44.	Air Craft Investment Decision.	a) Material on the topic published by PIA given by Mr. Bad Shah Gul General Manager, PIA.  b) Material of World Bank on "Air Craft Investment Decision", reproduced by NTRC.
45.	Using Consultant.	Material of World Bank on "Uses of Consultant and its Borrowers", reproduced by NTRC.

SOCIAL FUNCTIONS

- November 3, 1985 (Sunday) Inaugural Ceremony arranged by NTRC for the participants and invited guests.
- November 16, 1985 (Saturday) Visit to second Carriageway between Nowshohra and Peshawar.
- November 25, 1985 (Saturday) Visit to Pakistan Railway Carriage Factory Islamabad. Light refreshment was served to the participants by the management of the factory.
- December 4, 1985 (Wednesday) Lunch was given in honour of the participants by the General Manager, Railway Board, Lahore.
- December 4, 1985 (Wednesday) Light refreshment by Collector Customs, Lahore Dry Port.
- December 5, 1985 (Thursday) Light refreshment by the Director Road Research and Material Testing Institute, Lahore.
- December 5, 1985 (Thursday) Lunch by Managing Director, PRTC, Lahore.
- December 6, 1985 (Friday) Visit to Karachi - Hyderabad Super Highway Permanent Traffic Count Station No.08. Light refreshment by NTRC.
- December 8, 1985 (Saturday) Lunch by the Chairman, Port Muhammad Bin Qasim, Karachi.  
Evening refreshment by Divisional Transportation Officer (Port) Pipri Marshalling Yard.
- December 8, 1985 (Sunday) Refreshment and lunch by the Director, Karachi Traffic Engineering Bureau.
- December 8, 1985 (Saturday) Light refreshment by Pakistan National Shipping Corporation.

Annex-VIII (Contd.)

- December 9, 1985 (Monday) Light refreshment by Pak. Suzuki Motor Company Ltd., Karachi.  
Light refreshment by Managing Director, Karachi Ship Yard Engineering Works.
- December 10, 1985 (Tuesday) Light refreshment arranged by General Manager (Planning), Pakistan International Airlines.
- December 10, 1985 (Tuesday) Light refreshment by General Manager (Operations), K.P.T.
- December 11, 1985 (Wednesday) Light refreshment by Additional Secretary/Director General, Ports and Shipping Wing, Ministry of Communications.  
Lunch at Karachi Boat Club by the General Manager (Operations) Karachi Port Trust, Karachi.
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FIELD VISITS

Date	Day	Time	From	To	Programme
1.	2.	3.	4.	5.	6.
16th November, 1985	Saturday	09.00	NTRC	Peshawar	Visit to 2nd Carriage way between Nowshehra and Peshawar.
23rd November, 1985	Saturday	10.30	NTRC	Railway Carriage Factory Islamabad.	Visit to Pakistan Railway Carriage Factory (11.00-13.00 hours)
4th December, 1985	Wednesday	11.30	Indus Hotel Lahore	Mughal Pura Workshop.	Visit to Mughal Pura Workshop (12.00-13.00 hours)
				<u>Lunch</u>	By General Manager Railway Board Lahore. (13.15-14.15 hours)
		14.30	Mughal Pura Lahore	Dry Port Lahore.	Visit to Dry Port Lahore (15.00-16.30 hours)
5th December, 1985	Thursday	09.00	Indus Hotel Lahore	New University Campus	Visit to Road Research & Material Testing Institute (09.30-11.00 hours)
		11.15	University Campus	Punjab Road Transport Corporation.	Visit to Punjab Road Transport Corporation Lahore. (12.00-14.00 hours)
				<u>Lunch</u>	By Director, Punjab Road Transport Corporation. (14.00-15.00 hours)
6th December, 1985	Friday	09.30	Jabees Hotel Karachi.	Super Highway Permanent Traffic Count Station	Visit to Super Highway, Permanent Traffic Count Station between Karachi and Hyderabad. (11.00-13.00 hours)

Annex-IX (Contd.)

Date	Day	Time	From	To	Programme
1.	2.	3.	4.	5.	6.
7th December, 1985	Saturday	09.00	Jabees Hotel	Port Qasim Authority	Visit to Port Qasim Authority & lecture delivered by the Chairman Port Qasim Authority. (09.30-12.30 hours)
				<u>Lunch</u>	By the Chairman, Port Qasim Authority (12.30-13.30 hours)
		13.45	Bin Qasim	Pipri Marshalling Yard.	Visit to Pipri Marshalling Yard Karachi. (14.30-16.00 hours)
8th December, 1985	Sunday	09.00	Jabees Hotel	Civic Centre Karachi.	Visit to Karachi Traffic Engineering Bureau. (09.20-12.00 hours)
				<u>Lunch</u>	By the Director, Karachi Traffic Engineering Bureau. (12.00-13.45 hours)
				14.00	Civic Centre Karachi
9th December, 1985	Monday	08.30	Jabees Hotel.	West Wharf	Visit to Pak. Suzuki Motors Company Ltd. (09.00-13.00 hours)
				14.00	West Wharf Karachi Shipyard Engineering Works.
10th December, 1985	Tuesday	09.00	Jabees Hotel.	P.I.A.C.	Visit for P.I.A.C. (09.30-12.30 hours)

Annex - IX (Contd.)

Date	Day	Time	From	To	Programme
1.	2.	3.	4.	5.	6.
11th December, 1985	Wednesday	09.00	Jabees Hotel	K.P.T.	Visit for Karachi Port Trust. (09.30-12.00 hours)
				<u>Lunch</u>	By the General Manager (Operation) K.P.T. (13.00-14.00 hours)





1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
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|-----|------------|---|--------|
| 3.  | 04-11-1985 | Compounding & Discounting                         | Majeed |
| 4.  | 05-11-1985 | Transport priorities for 6th Plan                 | Mir    |
| 5.  | 05-11-1985 | Introduction to Transport System Analysis         | Briggs |
| 6.  | 05-11-1985 | Transport System Analysis Methodology             | Briggs |
| 7.  | 06-11-1985 | Transport System Analysis An-<br>tical Techniques | Briggs |
| 8.  | 06-11-1985 | Role of Transport in Development                  | Masud  |
| 9.  | 06-11-1985 | Social Implication of Transport in Development    | Masud  |
| 10. | 07-11-1985 | Transport Data Requirements                       | Masud  |
| 11. | 07-11-1985 | R&D Requirement of Transport                      | Masud  |
| 12. | 07-11-1985 | Project Cycle                                     | Anis   |

7TH - PLANNING COMMISSION COURSE ON  
TRANSPORTATION PROJECTS - PLANNING

SECOND WEEK

(10th Nov.-14th Nov. 1985)

( ISLAMABAD 3RD NOVEMBER - 12TH DECEMBER, 1985 )

WEEKLY EVALUATION

( To be filled on daily basis by the participants ).

Name  
(Optional): \_\_\_\_\_

The participants are requested to complete the following Questionnaire on a deily basis and submit it to the Course Director at the end of the week. (On Thursday). They are requested to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvements in the present as well as furture courses. All the information will be treated as CONFIDENTIAL. Two copies of the Questionnaire are being provided. One filled-up copy may be retained by the participants for Simenax 'X'.

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

- 10-11-1985 Technological Innovation in Transport
- 10-11-1985 Project Monitoring & Evaluation

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
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3.	10-11-1985	Energy Use in Pakistan.	Abdullah
4.	11-11-1985	Introduction to Micro Economics-I	Majeed
5.	11-11-1985	Introduction to Micro Economics-II	Majeed
6.	11-11-1985	Technical Appraisal of Transport Projects	Mir
7.	12-11-1985	Transport Pricing	Majeed
8.	12-11-1985	Operations Research-I	Ali
9.	12-11-1985	Operations Research-II	Ali
10.	13-11-1985	Transport Planning Methodology	Raza
11.	13-11-1985	Cost-Benefit Analysis	Majeed
12.	13-11-1985	Forecasting	Majeed
13.	14-11-1985	Management Information System-I	Khan
14.	14-11-1985	Management Information System-II	Khan
15.	14-11-1985	Management Information System-III	Khan

7TH - PLANNING COMMISSION COURSE ON  
TRANSPORTATION PROJECTS - PLANNING

Annex - X (Contd)

THIRD WEEK

( ISLAMABAD 3RD NOVEMBER - 12TH DECEMBER, 1985 ) ( 17th Nov. - 21st Nov. 1985 )

WEEKLY EVALUATION

( To be filled on daily basis by the participants ).

Name  
(Optional):

The participants are requested to complete the following Questionnaire on a daily basis and submit it to the Course Director at the end of the week. (On Thursday). They are requested to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvements in the present as well as future courses. All the information will be treated as CONFIDENTIAL. Two copies of the Questionnaire are being provided. One filled-up copy may be retained by the participants for Seminar 'X'.

Sr. No.	Date	Lecture	Speaker	Did it meet the Objective		Quality of the material provided		Quality of the Lecture						
				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.	17.11.85	Financial Analysis-I	Butt											
2.	17.11.85	Financial Analysis-II	Butt											
3.	17.11.85	Financial Analysis-III	Butt											S u g g e s t i o

1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15.

- 4. 18.11.85 Critical Path Met- Sahibzada  
hod-I
- 5. 18.11.85 Critical Path Met- Sahibzada  
hod-II
- 6. 18.11.85 Indus Super High- Swati  
way
- 7. 19.11.85 Cost Accounting-I Khawaja
- 8. 19.11.85 Cost Accounting-II Khawaja
- 9. 19.11.85 Cost Accounting-III Khawaja
- 10. 20.11.85 Development Road Raza  
(Case Study)
- 11. 20.11.85 Sampling Techniques. Intiaz
- 12. 20.11.85 Highway Safety in Swati  
Pakistan-I
- 13. 21.11.85 Highway Safety in Swati  
Pakistan-II
- 14. 21.11.85 Road Freight Trans- Hine  
port in Pakistan
- 15. 21.11.85 Impact of Energy Cundill  
Shortage on  
Transport  
Planning



1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.

|     |          |   |         |
|-----|----------|---|---------|
| 4.  | 25.11.85 | Feeder Road   | Raza    |
| 5.  | 25.11.85 | Risk & Uncertainty                                  | Ali     |
| 6.  | 25.11.85 | Problems Encountered<br>in Const/Maint: of<br>Roads | Raza    |
| 7.  | 26.11.85 | H C L I D A Y                                       |         |
| 8.  | 27.11.85 | Economic Implications<br>of Road Maintenance        | Raza    |
| 9.  | 27.11.85 | Probability Analysis                                | Ali     |
| 10. | 27.11.85 | The Most Critical<br>Issues In Transport            | Masud   |
| 11. | 28.11.85 | Drinking Ports                                      | Rab     |
| 12. | 28.11.85 | Road Engineering<br>Measuring Tech.                 | Cundill |
| 13. | 28.11.85 | Public Transport                                    | Briggs  |

7TH - PLANNING COMMISSION COURSE ON  
TRANSPORTATION PROJECTS - PLANNING

Annex - X (Contd)

FIFTH WEEK

( ISLAMABAD 3RD NOVEMBER -12TH DECEMBER, 1985 ) ( 1st Dec. -3rd Dec. 1985 )

WEEKLY EVALUATION

( To be filled on daily basis by the participants )

Name  
(Optional):

The participants are requested to complete the following questionnaire on a daily basis and submit it to the Course Director at the end of the week. (On Tuesday). They are requested to record their candid opinions in the Questionnaire to enable the Course Director to bring about improvements in the present as well as future courses. All the information will be treated as CONFIDENTIAL. Two copies of the Questionnaire are being provided. One filled-up copy may be retained by the participants for Seminar 'X'.

| Sr. No. | Date | Lecture | Speaker | Did it meet the Objective |    | Quality of the material provided |                      |                     |                | Theoretically Oriented. | Practically Oriented. | Others remarks | Suggestion |                                  |
|---------|------|---------|---------|---------------------------|----|----------------------------------|----------------------|---------------------|----------------|-------------------------|-----------------------|----------------|------------|----------------------------------|
|         |      |         |         | Yes                       | No | Better than expected.            | Approx. as expected. | Less than expected. | Well prepared. |                         |                       |                |            | Should have been prepared better |
| 1.      | 2    |         |         | 5                         | 6  | 7                                | 8                    | 9                   | 10             | 11                      | 12                    | 13             | 14         | 15                               |

1. 01-12-1985. National Highway Seminar
2. 01-12-1985. Public Transport-II Bridges
3. 01-12-1985. Sofre Rail Study Ghiasuddin



1. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.

- 4. 02.12.1985 Managing Railways Hussain
- 5. 02.12.1985 Airport Planning Amir  
in Pakistan
- 6. 02.12.1985 Role & Performance Gul  
of P.I.A.
- 7. 03.12.1985 Aircraft Investment Gul  
Decision
- 8. 03.12.1985 Inland Water Tran- Mir  
sport
- 9. 03.12.1985 D sign. of Transport Tr- Eniges  
minals and Interchanges.

DETAILS OF EXPENDITURE1. Inaugural Session,

|                       |     |        |
|-----------------------|-----|--------|
| Tea/Light Refreshment | Rs. | 820.00 |
| Invitation Cards      | Rs. | 650.00 |
| Crockery (Hired)      | Rs. | 180.00 |
| Banner                | Rs. | 250.00 |

Sub-Total (1): Rs. 1900.00

2. Speakers:

|                                    |     |           |
|------------------------------------|-----|-----------|
| Travelling Allowance               | Rs. | 4,280.00  |
| Dail Allowance                     | Rs. | 810.00    |
| Hotel Charges                      | Rs. | 826.00    |
| Lecture Fee @ Rs. 300/-per Lecture | Rs. | 18,600.00 |

Sub-Total (2): Rs. 24,516.00

3. Transport:

|  |     |          |
|--|-----|----------|
| Transport for Field Visits to Nowshera-Peshawar. | Rs. | 3,000.00 |
| Transport Hired at Karachi during Field Visits.  | Rs. | 7,000.00 |
| Other  | Rs. | 2,476.00 |

Sub-Total (3) Rs. 12,476.00

4. Refreshment:

|   |     |          |
|---|-----|----------|
| Refreshment served to the Participants during the Course. | Rs. | 4,634.00 |
|---|-----|----------|

Sub-Total (4): Rs. 4,634.00

5. Stationery:

|                                       |     |                 |
|---------------------------------------|-----|-----------------|
| Stationery used during<br>the Course. | Rs. | 2,386.00        |
| Sub-Total (5)                         | Rs. | <u>2,386.00</u> |

6. Lecture Hall:

|                 |     |                  |
|-----------------|-----|------------------|
| Furniture       | Rs. | 4,000.00         |
| Carpet          | Rs. | 6,000.00         |
| Electric Lights | Rs. | 1,290.00         |
| Sub-total(6)    | Rs. | <u>11,290.00</u> |

7. Field Visits:

|  |     |                 |
|--|-----|-----------------|
| Travelling allowance/Daily<br>Allowance/Hotel Charges for<br>Course Organizer. | Rs. | 4,915.00        |
| Sub-Total(7)   | Rs. | <u>4,915.00</u> |

8. Postage & Telegraph:

|              |     |                 |
|--------------|-----|-----------------|
| Postage etc. | Rs. | 2,332.00        |
| Sub-Total(8) | Rs. | <u>2,332.00</u> |

9. Honoraria: Rs. 8,700.00

10. Printing: Rs. 690.00

11. Machinery & Equipmment: Rs. 5,000.00

12. Miscellaneous: Rs. 7,006.00

Grand Total(1-12)Rs. 85,845.00

TOTAL NUMBER OF PERSONS TRAINED IN DIFFERENT  
TRANSPORTATION PROJECTS PLANNING COURSE

| S. No. | Name of Organization                  | First Course         | Second Course              | Third Course              | Fourth Course               | Fifth Course               | Sixth Course              | Seventh Course            | Total Cols (3-9) |
|--------|---------------------------------------|----------------------|----------------------------|---------------------------|-----------------------------|----------------------------|---------------------------|---------------------------|------------------|
|        |                                       | Oct., 28 - 29, 1976. | Sept. 19 - Oct., 23, 1977. | Oct., 1 - Nov., 25, 1978. | Sept., 15 - Oct., 25, 1979. | Nov., 13 - Dec., 22, 1983. | Oct., 7 - Nov., 15, 1984. | Nov., 3 - Dec., 12, 1985. |                  |
| 1.     | 2.                                    | 3.                   | 4.                         | 5.                        | 6.                          | 7.                         | 8.                        | 9.                        | 10.              |
| 1.     | Planning Division, Islamabad.         | 1                    | 1                          | 1                         | 2                           | -                          | 1                         | -                         | 6                |
| 2.     | Ministry of Communications 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.      |                      | 6                          | 3                         | 1                           | -                          | 2                         | 2                         | 15               |
| 7.     | A.D.A.                                | 1                    | 1                          | 2                         | -                           | 1                          | -                         | -                         | 5                |
| 8.     | M/O Railway, Islamabad                | 1                    | -                          | 2                         | -                           | -                          | 1                         | -                         | 4                |
| 9.     | Railway Board, Lahore                 | 2                    | 3                          | 3                         | 2                           | -                          | -                         | -                         | 10               |
| 10.    | Pak PWD.                              | -                    | 1                          | -                         | -                           | -                          | -                         | -                         | 1                |
| 11.    | F.W.O.                                | 1                    | 1                          | -                         | 1                           | 2                          | -                         | -                         | 5                |
| 12.    | N.S.C/P.N.S.C.                        | -                    | 1                          | 1                         | 1                           | 1                          | 1                         | -                         | 5                |
| 13.    | Port Qasim Authority                  | 1                    | 1                          | 1                         | 1                           | 2                          | 1                         | 1                         | 8                |
| 14.    | ISHB/NHB                              | 2                    | -                          | 2                         | 1                           | 2                          | -                         | -                         | 7                |
| 15.    | WESPAY                                | 2                    | 2                          | -                         | -                           | 1                          | 2                         | 1                         | 8                |
| 16.    | B&R Deptt. NWFP                       | 2                    | 2                          | 1                         | -                           | -                          | -                         | -                         | 5                |
| 17.    | C&W Deptt. NWFP                       | -                    | -                          | 1                         | -                           | 2                          | -                         | 1                         | 4                |
| 18.    | G.T.S. NWFP                           | 1                    | -                          | -                         | -                           | 1                          | -                         | -                         | 2                |
| 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                |

| 1.      | 2.  | 3.            | 4. | 5. | 6. | 7.            | 8. | 9. | 10             |
|---------|---|---------------|----|----|----|---------------|----|----|----------------|
| 23.     | P.R.T.B.                                  | 2             | -  | -  | -  | -             | -  | -  | 2              |
| 24.     | Punjab Urban Transport Corporation.       | -             | -  | -  | 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.     | PWD 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.     | F.A.C.O. Karachi                          | -             | -  | -  | 1  | -             | -  | -  | 1              |
| 34.     | C.D.A. Islamabad                          | -             | -  | -  | 1  | 1             | -  | -  | 2              |
| 35.     | N.E.D. University of Engg. & Technology   | -             | -  | -  | 1  | -             | -  | -  | 1              |
| 36.     | Police, Sind, Karachi                     | -             | -  | -  | 1  | -             | 1  | -  | 2              |
| 37.     | M.I.P.A.                                  | 1             | -  | -  | -  | -             | -  | -  | 1              |
| 38.     | Republic Engineering Corporation          | 1             | -  | -  | -  | -             | -  | -  | 1              |
| 39.     | Karachi Port Trust                        | -             | -  | -  | -  | 1             | 1  | -  | 2              |
| 40.     | Army Service Corps.                       | -             | -  | -  | -  | 9             | 10 | 2  | 21             |
| 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              |
| Total:- |   | 22+1<br>(Obs) | 25 | 24 | 23 | 29+1<br>(Obs) | 27 | 15 | 166+2<br>(Obs) |