

NATIONAL TRANSPORT RESEARCH CENTRE

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REPORT ON
5TH - PLANNING COMMISSION COURSE
ON
TRANSPORTATION PROJECTS PLANNING
(NOVEMBER-DECEMBER, 1983)

NTRC-70

MR. M. SADIQ SWATI
COURSE DIRECTOR

MR. NAEEM ULLAH
COURSE ORGANISER

DECEMBER, 1983

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1. INTRODUCTION

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

Due to unavoidable circumstances, the course could not be confirmed after 1979. However, after a lapse of 4 years the Fifth Course was held from 13th November - 22nd December, 1983 at Islamabad. This course was organized exclusively by the Planning Commission without any external assistance.

The Course was formally inaugurated by the Secretary, Planning and Development Division on 13th November, 1983.

2. NOMINATIONS:

The Course announcement, nomination/application forms (Annex-I) were sent to over hundred departments/agencies/concerned persons as per list given in Annex-II. 40 nominations from 21 different agencies were received as per details given in Annex-III.

3. COURSE SCHEDULE:

The course schedule was called for five weeks of lectures followed by one week of field visit to Peshawar, Lahore and Karachi. A copy of the Course Schedule may be seen in Annex-IV.

4. SELECTION COMMITTEE:

The Selection Committee comprising of National Transport Research Centre Officers Mr. M. Sadiq Swati, Chief/Course Director, Mr. Abdul Majeed, Deputy Chief, Mr. M. Kazim Idris, Assistant Chief and Mr. Naeem Ullah, Research Officer selected 33 participants. Out of the these 29 participants reported for the course. The details may be seen at Annex-III.

5. PARTICIPANTS:

All the participants who attended the course held responsible positioning in their respective departments. Out of the 29 participants, 3 were in Grade-19, 19 were in Grade-18 and 7 were in Grade-17 or equivalent grades.

6. VENUE:

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

7. TIMINGS:

Two lecture session of 3 hours each were held on all working days except on Three Thursdays and Fridays. The first lecture started at 09:00 Hours to 12:00 Hours with a tea break from 10:20 Hours to 10:40 Hours. The second session lasted from 13:00 Hours to 16:00 Hours with a tea break from 14:20 Hours to 14:40 Hours.

8. TEA

Light refreshments were served by the NTRC during the tea breaks to the participants throughout the course.

9. SPEAKERS:

There were 48 lectures on different subject. The detailed time table as subject wise list of speakers are given at Annex-IV & V respectively.

10. 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 help in the identification and better understanding of the problems. A list of the material prepared and distributed among the course participants may be seen at Annex-VI.

11. SOCIAL FUNCTIONS:

A number of Social Functions were arranged for the participants of the course, the details of which may be seen at Annex-VII.

12. FIELD VISITS:

A number of field visits were arranged in order to acquaint the participants (i) with the working of the various types of organization relating to transportation (ii) give them a chance to come in to 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 these levels; (iii) in the development of real insight into the actual working of these Departments.

Such Get-together programmes greatly help in the development of congenial atmosphere which is extremely essential to achieve better coordination specially in the overall planning system. A list of field visits may be seen at Annex-VIII.

13. 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 Annex-IX.

In the last session of the course the participants were asked to answer the undermentioned questions. Their responses are given under each question.

1. In your opinion did the course meet the objective?

Yes	23
No	-

2. How did the quality of the Course meet your expectation?

Better than expected	11
About what was expected	12
Less than was expected	-

3. About what percentage of the reading material did you study prior to the lecture?

0-25%	11
26-50%	9
51-75%	3
76-100%	Nil

Comments on quality of Reading Materials:

Good	=	10
Very Good	=	9
Excellent	=	4

4. Assume that future such courses would be of the same duration (i.e. Six weeks), do you think some subjects should be treated more fully than they were? Remember that for every subject that would have to be reduced by other subjects would have to be added any entry in Column (ADD) should therefore have an entry in Column (Delete).

ADD

DELETE

- Net work Analysis = 2
- Transport project Appraisal = 5
- Urban Transport System = 1
- Critical Path Method = 6
- Basic Accounts & Economics = 1
- Banking & Income Tax Laws = 2
- Forecasting = 1
- Transport Pricing = 1
- Highway Safety = 1
- Decision Theories = 2
- Cost Benefit analysis = 5
- Financial Analysis = 3
- Management Information = 1
- Transport Data Requirement = 2
- Transport Planning Methodology = 2
- Labour Law (Introduction) = 1
- Probability Analysis = 1
- Cost Accounting = 1

- Sofre Rail Studies = 2
- Project Monitoring & evaluation = 1
- Inland water Transport = 1
- Containerization problem in Pakistan. = 2
- Decision Theories = 1
- Risk & Uncertainty = 1
- Cost Accounting = 1
- Current Economic situation = 1
- Historical Development of Transport in Pakistan = 1
- Probability Analysis = 1
- Sensitivity Analysis = 1

5. Bearing in mind the job commitments of the participants, do you think the course was about the right length? (or alternatively what would be your suggestion as to the appropriate course length?).

About right (6 weeks)	=	6
4 weeks	=	1
5 weeks	=	-
7 weeks	=	4
8-10 weeks	=	8
12 weeks	=	3

6. If future courses were to be lengthened, what subjects would you like to see included?

- Geometric Design of Highways	=	2
- Basic Engineering about Roads	=	1
- Income Tax/Banking Laws	=	1
- Government/Commercial Accounting Problems	=	1
- Railways	=	1
- Ports	=	1
- Economic Analysis	=	1

7. Please give your ideas about the teaching methods. Would you like more? About right? or Less?

	<u>More</u>	<u>About Right</u>	<u>Less</u>	<u>Total</u>
Lectures	7	15	1	23
Exercises	11	12	-	23
Field Visits	6	15	2	23
Appraisal Reports	8	13	2	23
Other	12	9	2	23

8. Was there any material which in your opinion should be modified or re-worked? If so, how?

NIL	15
ELAB	2
UPDATE	4
NO RESPONSE	2

9. Would you like presentation by the participants?

Yes, Technical subjects	10
Yes, about their organization	12
No.	1
No Response	-
TOTAL:	<u>23</u>

10. Did you find the hours suitable (09:00 - 12:00 and 1300 - 1600 Hours)

Yes	12
No	8

Other Suggestions:-

Lecture hours should be:-

- From 0900 - 1400 hours OR
From 0900 - 1500 hours including one hours break from 1200-1300 hours for prayer = 1
- From 0800 - 1100 hours & 1200 - 1500 hours = 1
- From 0830 - 1115 hours (break 1115 - 1200 hours) and 1200 - 1450 hours = 1

11. Would you suggest evening discussion session additionally?

Yes	= 7
No.	= 16
No. Response	= -
Comments on Subject	= Nil

12. Would you recommend this course to your

	<u>YES</u>	<u>NO</u>	<u>NO RESP.</u>	<u>TOTAL</u>
Superiors	23	-	-	23
Peers	13	-	10	23
Subordinates	11	-	12	23

13. Did you find the housing arrangements suitable?

Yes	<u>19</u>
No.	<u>1</u>
Not Applicable	<u>3</u>

14. Would you appreciate more social affairs?

Yes	= 20
No.	= 1
No Response	= 2

15. Any additional Comments - not covered.

- a - It is a good and constructive step towards development of various transport sector certainly broadening the out look, and increasing capability as far as forecasting is concerned. Such courses certainly raise our planning standard which in return help in economizing our future projects. All-in-all appreciable effort.
- b - To arrange such courses is of great importance. It helps to boost the economy by transferring knowledge to the course participants enabling them to contribute well their departments directly and to the whole nation indirectly.
- c - The course is wonderful it should continue with all zeal and enthusiasm. It is so informative and thought provoking that it has done a great deal of mental training. The institution deserves glowing tributes for Organizing such a splended course.
- d - Thursday should not be committed. It may be rather used for social gathering.
- e - It should be residential course so that the course participants get more chances to meet each other and could develop mutual understanding. Only grade-18 officers and above be acceptable.

14. GRADUATION CEREMONY

The course concluded at Karachi on 22nd December, 1983. Admiral M. I. Arshad, Chairman, Karachi Port Trust, awarded the certificates.

15. 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 National Transport Research Centre Library for future reference.

16. BUDGET:

The expenditure on the course amount to Rs. 83,814/- as per detail given in Annex-X.

17. LIST OF FELLOWS:

Including these courses, 125 candidates have been trained in Transportation Projectation Planning so far, the list may kindly be seen at Annex-XI.

18. ACKNOWLEDGEMENTS:

Planning Commission would like to place on record the cooperation extended to it by the various agencies notably Pakistan Railway Board, Punjab Urban Transport Corporation, Pakistan National Shipping Corporation, Pakistan International Airlines Corporation, Pakistan Auto Mobile Corporation, Karachi Shipyard Engineering Works, Karachi Transport Corporation, Port Qasim Authority and Karachi Port Trust. It owes special thanks to the Punjab Urban Transport Corporation which provided the facility of free Transport Service to the course participants during their field visits to Lahore from 15th to 16th November, 1983.

GOVERNMENT OF PAKISTAN
PLANNING COMMISSION
NATIONAL TRANSPORT RESEARCH CENTRE

Telephone: Islamabad 826282.
Ref. No: NTRC-15(24)/82.

Cable: PLANCOM
ISLAMABAD

ANNOUNCEMENT OF

FIFTH PLANNING COMMISSION COURSE ON TRANSPORTATION PROJECT PLANNING
(Closing Date of Nominations: 30th September, 1983)

The Fifth Planning Commission Course on Transportation Project Planning will be held at Islamabad from 13th November to 22nd December, 1983. 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 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 36-Nazimuddin Road, F-7/1, Islamabad by 30th September, 1983

The Admission Committee will complete the selection of participants by 15th October, 1983 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.

Encl: As above (2 Copies)

7th September, 1983

(M. SADIQ SWATI)
CHIEF (NTRC)
Course Director

To:

As per address on the envelope

GOVERNMENT OF PAKISTAN
PLANNING COMMISSION
NATIONAL TRANSPORT RESEARCH CENTRE

+++

NOMINATION AND APPLICATION FOR ADMISSION
Course on Transportation Project Planning
1983

NOVEMBER - DECEMBER

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 1983 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 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 30th September, 1983) 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
.....
.....

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

.....

.....

.....

Additional experience, membership on commissions or committees, publications, 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 Joint Secretary (Transport),
Ministry of Communications,
Government of Pakistan,
Islamabad.
- 3-6. The Secretary,
Communication and Works Department,
Punjab, Sind, NWFP & Baluchistan.
7. The Director General,
Communication and Works Department,
Government of Sind,
Karachi.
8. The Director General,
Pakistan Public Works Department,
Government of Pakistan,
Islamabad.
9. The Chief Engineer,
Public Works Department,
Govt. of Azad Jammu & Kashmir,
Muzaffarabad.
10. The Chief Engineer,
Buildings & Road Department,
Government of NWFP,
Peshawar.
11. The Chief Engineer (Development),
Building & Roads Department,
Government of NWFP,
Peshawar.
- 12-13. The Chief Engineer,
Highway Department,
Punjab/Sind.
14. The Director General,
National Highways Board,
Islamabad.
15. The Secretary,
Ministry of Railways,
Islamabad.
16. The General Manager,
Railway Board,
Lahore.
17. The Deputy Director General,
Frontier Works Organization,
Rawalpindi.

18. The Engineer-in-Chief,
General Head Quarter,
Rawalpindi.
19. The Director of Supplies & Transport,
Army Service Corporation,
General Headquarter, QMGs Branch,(S&T Dte),
Rawalpindi.
20. The Secretary,
Ministry of Defence,
Aviation Division,
Rawalpindi.
21. The Chairman,
Pakistan International Airlines Corporation,
Civil Airport, Karachi.
22. The Director General,
Civil Aviation Authority,
Headquarters Napier Barracks,
Near Taj Mahal Hotel,
Karachi.
23. The Managing Director,
Airport Development Agency,
G-6, KDA., Scheme No. 1,
Near Karsaz, Karachi-8.
24. The Chairman,
Karachi Port Trust,
Adamjee Dinshaw Road,
Karachi.
25. The Chairman,
Port Muhammad Bin Qasim Authority,
P. O. Box Port Qasim,
Karachi-48.
26. The Chairman,
Pakistan National Shipping Corporation,
PNSC-Building,
Karachi.
27. The Chairman,
Pakistan Automobile Corporation,
6th Floor, PNSC-Building,
Karachi.
- 28-33. The Chairman,
Development Authorities,
Punjab, NWFP, Sind, Baluchistan,
Kohistan and Tribal Area

- 34-38. The Director General,
Development Authorities,
Lahore/Multan/Faisalabad/
Hyderabad/Quetta.
39. The Member (Technical),
Capital Development Authority,
Islamabad.
40. The Secretary,
Hyderabad Development Authority,
38-A, G.O.R. Colony,
Hyderabad.
- 41-45. The Administrator,
Municipal Corporations,
Rawalpindi/Lahore/Faisalabad/
Karachi/Peshawar.
- 46-51. The Secretary,
Local Govt. & Rural Development,
Punjab/Sind/NWFP/Baluchistan/AK/
Lahore/Karachi/Peshawar/Quetta/Muzaffarabad.
52. The Senior Chief,
Transport and Communication Section,
Planning and Development Division,
Islamabad.
53. The Chief,
Project Appraisal Section,
Planning and Development Division,
Islamabad.
54. The Chairman,
Planning and Development Board,
Government of Punjab,
Lahore.
- 55-57. The Addl. Chief Secretary,
Planning and Development Department,
Govt. of Sind/NWFP/Baluchistan.
58. The Development Commissioner,
Planning and Development Department,
Government of Azad Jammu and Kashmir,
Muzaffarabad.
- 59-62. The Secretary (Transport),
Government of Punjab, Sind,
Baluchistan and NWFP.
- 63-64. The Managing Director,
Urban Transport Corporation,
Lahore/Karachi.

65. The Managing Director,
Punjab Road Transport Board,
Lahore.
66. The Chairman,
Sind Road Transport Corporation,
Thandi Sarak, Hyderabad.
67. The General Manager,
Government Transport Service,
Government of NWFP,
Peshawar.
- 68-71. The Secretary,
Provincial Transport Authorities,
Government of NWFP, Punjab, Sind and
Baluchistan.
72. The Secretary,
Regional Transport Authority,
Rawalpindi.
- 73-77. The Inspector General of Police,
Government of Punjab, NWFP, Baluchistan,
Sind and Azad Jammu and Kashmir.
- 78-94. The Commissioner,
Rawalpindi/Lahore/Multan/Bahawalpur/Sargodha,
Karachi/Hyderabad/Sukkur/Peshawar/D.I.Khan/
Abbottabad/Malakand/Quetta/Kalat/Sibi/Makran/Gilgit.
95. The Vice Chancellor,
University of Engineering & Technology,
Peshawar.
96. The Vice Chancellor,
N.E.D. University of Engineering & Technology,
Karachi.
97. The Professor of Civil Engineering,
University of Engineering and Technology,
Lahore.
98. The Director,
Pakistan Institute of Development Economics,
P. O. Box No. 1091,
Islamabad.
99. The Director,
Applied Economics Research Centre,
University of Karachi,
Karachi.
100. The Deputy Director General,
Statistics Division,
I-S.M.C.H. Society,
Karachi.

101. M/S Noon Qayyum and Company,
Consulting Engineer and Architects,
I - Nursery lane, Lawrence Road,
Lahore.
102. M/S Republic Engineering Corporation Ltd.,
76/E. I, Gulberg - III,
Lahore.
103. The Managing Director,
NESPAK Ltd.,
417-WAPDA House,
Shahrah-e-Quaid-i-Azam,
Lahore.

LIST OF THE SELECTED PARTICIPANTS WHO ATTENDED THE COURSE

- | <u>Sl. No.</u> | <u>Name of the Selected Participants</u> |
|----------------|--|
| 1. | Mr. Arif Mansoor Ahmed,
Senior Engineer (NESPAK),
Institute of Engineers Building,
97 - A/B-D, Gulberg - III
<u>Lahore.</u> |
| 2. | Lt. Col. Iqbal Ahmed (PA-7460)
Project Engineer,
Joint Staff Head Quarter,
Engineer-in-Chief Branch,
<u>Rawalpindi.</u> |
| 3. | Mr. Rafiq Ahmad Khan,
Traffic Manager,
Karachi Transport Corporation,
3-Modern Housing Society,
Shahra-e-Faisal,
<u>Karachi-8.</u> |
| 4. | Mr. Isamuddin Khan,
Assistant to Commissioner (Dev.),
Commissioner Peshawar Division,
<u>Peshawar.</u> |
| 5. | Mr. Liaqat Ali,
Planning Officer,
Industries Commerce Mineral Development,
Laboratory & Transport Department,
Government of NWFP,
<u>Peshawar.</u> |
| 6. | Mr. Abdullah Mahesar,
Deputy Director,
Airport Development Authority,
E-6, Karachi Development Authority,
Scheme No. 1, Shahrah-e-Faisal,
<u>Karachi-8.</u> |
| 7. | Kh. Bashir Ahmad,
Executive Engineer (XEN) Design,
Public Works Department,
Azad Jammu and Kashmir,
<u>Muzaffarabad.</u> |
| 8. | Major S.M. Suleman (PSS-9883)
Engineer,
492-Engineer Group, Chitral,
C/O Post Master,
<u>Chitral.</u> |

Sl.

No. Name of the Selected Participants

9. Mr. Iqbal Ahmed Turk,
Deputy General Manager (I/S&U)
Port Qasim Authority, Bin Qasim,
Karachi-48.
10. Mr. Aijaz Ali Kehar,
Director (Marginal Wharf),
Port Qasim Authority Bin Qasim,
Karachi-48.
11. Mr. Waqar Nabi,
Sub Divisional Officer (Dev.),
Communication & Works Division,
Khar, Bajaur Agency, N.W.F.P.
12. Mr. Nowsherwan Sultan Raja,
Inspector (Statistics)
National Highway Board,
Super Market, F-6,
Islamabad.
13. Mr. Rasul Bux Rahu,
Executive Engineer (P&D),
Karachi Port Trust,
Post Box - 4725,
Karachi.
14. Mr. S. M. Tahir Shah,
Inspector,
National Highways Board,
Super Market, F-6
Islamabad.
15. Mr. Ijaz Ahmad,
Planning Officer,
Punjab Urban Transport Corporation,
125 - Upper Mall Scheme,
Lahore.
16. Major Sahibzada Mubashir Mirza,
(PA-10994), Engineer,
Headquarter 491-Engineer Group,
c/o Post Master, Gilgit-50101,
Gilgit.
17. Mr. Ashiq Ali Ghori,
Town Planner,
Planning Directorate, Chairman Office,
Room No. 114, Capital Development Authority,
G-7/4, Islamabad.
18. Mr. Shafiq Ahmad,
Assistant Director of
Environmental Control,
Faisalabad Development Authority,
Faisalabad.

- | <u>Sl. No.</u> | <u>Name of the Selected Participants</u> |
|----------------|--|
| 19. | Captain Ali Asad,
Line Manager (Asia),
c/o Mr. Javed Mansoor, Manager (Planning),
Pakistan National Shipping Corporation,
PNSC-Building, Moulvi Tamizuddin Khan Road,
<u>Karachi.</u> |
| 20. | Mr. Jehanzeb Khan,
Assistant Engineer (CDO),
Communication and Works Departments,
Government of N.W.F.P.,
<u>Peshawar.</u> |
| 21. | Lt. Col. Salim Khan (PA-6648),
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies & Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |
| 22. | Major Muhammad Hanif (PSS-9379),
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |
| 23. | Major Ehtisham Ali (PSS-9640)
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |
| 24. | Major Sarfraz Khan Riaz (PSS-9901),
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |
| 25. | Major Lal Zamir Khan (PSS-10844)
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |
| 26. | Major Muhammad Akbar, (PSS-12348),
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), <u>Rawalpindi.</u> |

S1.

No. Name of the Selected Participants

27. Major Safir Ahmad Siddique (PA-12500)
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), Rawalpindi.
28. Major Syed Basalat Nazir (PA-12742)
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), Rawalpindi.
29. Major Syed Mahmood Ahsan (PSS-11210)
Army Service Corps, c/o
Col. Rashid Khan, Director of
Supplies and Transport,
General Headquarters, QMG's Branch,
(S&T Dte), Rawalpindi.

5TH - PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS - PLANNING
13TH NOV. TO 22ND DEC. 1983

SESSION A. Part-I. 09.00 - 10.20
Tea Break 10.20 - 10.40
Part-II. 10.40 - 12.00
Lunch Break 12.00 - 13.00

SESSION B. Part-I. 13.00 - 14.20
Tea Break 14.20 - 14.40
Part-II. 14.40 - 16.00

THU

WED

TUE

MON

SUN

SAT

Week

1	A	12-11-83	13-11-83	14-11-83	15-11-83	16-11-83	17-11-83
	B						
2	A	19-11-83	20-11-83	21-11-83	22-11-83	23-11-83	24-11-83
	B						
3	A	26-11-83	27-11-83	28-11-83	29-11-83	30-11-83	1-12-83
	B						
4	A	3-12-83	4-12-83	5-12-83	6-12-83	7-12-83	8-12-83
	B						
5	A	10-12-83	11-12-83	12-12-83	13-12-83	14-12-83	15-12-83
	B						
6	A	17-12-83	18-12-83	19-12-83	20-12-83	21-12-83	22-12-83
	B						

TECHNICAL APPRAISAL OF TRANSPORT PROJECTS	PROJECT CYCLE	SOCIAL IMPLICATION OF TRANSPORT PLANNING	TRANSFORM PRIORITIES FOR SIXTH PLAN	HISTORICAL DEVELOPMENT OF TRANSPORT IN PAKISTAN	ROLE OF TRANSPORT IN DEVELOPMENT	HISTORICAL DEVELOPMENT OF TRANSPORT IN PAKISTAN	TECHNICAL APPRAISAL OF TRANSPORT PROJECTS
TRANSPORT PLANNING METHODOLOGY	TRANSPORT DATA REQUIREMENT AND SURVEYS	TRANSFORM PRIORITIES FOR SIXTH PLAN	TRANSFORM PRIORITIES FOR SIXTH PLAN	ROLE OF TRANSPORT IN DEVELOPMENT	ROLE OF TRANSPORT IN DEVELOPMENT	HISTORICAL DEVELOPMENT OF TRANSPORT IN PAKISTAN	TECHNICAL APPRAISAL OF TRANSPORT PROJECTS
VISIT TO FRONTIER WORKS ORGANIZATION FIELD OFFICE ISLAMABAD	COST BENEFIT ANALYSIS	SENSITIVITY ANALYSIS	PROBABILITY ANALYSIS	PROBABILITY ANALYSIS	RISK & UNCERTAINTY	CRITICAL PATH METHOD - I	VISIT TO: PAKISTAN RAILWAYS CARRIAGE FACTORY, ISLAMABAD
O F F	SAMPLING TECHNIQUES	TRANSPORT PRICING	RISK & UNCERTAINTY	RISK & UNCERTAINTY	CRITICAL PATH METHOD - II	CRITICAL PATH METHOD - II	O F F
	DECISION THEORIES	MANAGEMENT INFORMATION - I	CRITICAL PATH METHOD - I	CRITICAL PATH METHOD - I	URBAN TRANSPORT MANAGEMENT	EQUIPMENT REPLACEMENT	VISIT TO: 2ND CARRIAGE WAY, ATTOCK BRIDGE AND 3RD HIGHWAY PROJECT
	HIGHWAY SAFETY IN PAKISTAN	MANAGEMENT INFORMATION - II	CRITICAL PATH METHOD - II	CRITICAL PATH METHOD - II	USING CONSULTANTS	NATIONAL HIGHWAY PLANNING	O F F
	SOPRE RAIL STUDIES	PORTS PLANNING	URBAN TRANSPORT MANAGEMENT	URBAN TRANSPORT MANAGEMENT	PORT QASIM (CASE STUDY)	INLAND WATER TRANSPORT	VISIT TO: PUNJAB URBAN TRANSPORT CORPORATION, LAHORE.
	MANAGING PORTS	PROJECT-MONITORING AND EVALUATION/R&D REQUIREMENT OF TRANSPORT	USING CONSULTANTS	USING CONSULTANTS	ENERGY REQUIREMENT OF TRANSPORT (CASE STUDY)	PAKISTAN MARITIME TRANSPORT	O F F
	AUTOMOBILE INDUSTRY IN PAKISTAN	AIRPORT PLANNING IN PAKISTAN	PORT QASIM (CASE STUDY)	PORT QASIM (CASE STUDY)	H O L I D A Y	VISIT TO PAKISTAN NATIONAL SHIPPING CORPORATION.	VISIT TO: KARACHI PORT TRUST
	SEMINAR - X	AIRCRAFT INVESTMENT DECISION	MANAGING RAILWAYS	MANAGING RAILWAYS		VISIT TO KARACHI AIRPORT	VISIT TO KARACHI AIRPORT
	VISIT TO PORT QASIM AUTHORITY.	VISIT TO KARACHI TRANSPORT CORPORATION	VISIT TO PAKISTAN AUTOMOBILE CORPORATION	VISIT TO PAKISTAN AUTOMOBILE CORPORATION			
	VISIT TO PIPRI MARSHALLING YARD	PAKISTAN INTERNATIONAL AIRLINES CORPORATION	PAKISTAN INTERNATIONAL AIRLINES CORPORATION	PAKISTAN INTERNATIONAL AIRLINES CORPORATION			

List Of Speakers

<u>Sl. No.</u>	<u>Subject of the Lectures</u>	<u>Name of the Speakers</u>
1.	Current Economic Situation	Dr. Arshad Zaman, Economic Adviser, Ministry of Finance.
2. ✓	Historical Development of Transport in Pakistan	Mr. Abdul Majeed, Deputy Chief, NTRC
3. ✓	Role of Transportation in Development	Mr. Annice Mahmood, Research Economist, P.I.D.E.
4. ✓	Social Implication of Transport Planning	Lt. Col. Tahir Masood
5.	Transport Priorities for Sixth Plan	Mr. Sadaqat Hasan Mir, Sr. Chief, T&C Section, Planning Division.
6.	Project Cycle	Mr. M. Sadiq Swati, Chief, NTRC.
7. ✓	Transport Data Requirement and Surveys.	Mr. M. Kazim Idris, Assistant Chief, NTRC
8.	Technical Appraisal of Transport Projects.	Mr. Sadaqat Hasan Mir, Sr. Chief, T&C Section.
9. ✓	Transport Planning Methodology	Mr. M. Sadiq Swati, Chief, NTRC.
10.	Operation Research	Mr. Muhammad Ali, Director, Cabinet Secretariat, O&M Division, Islamabad.
11.	Introduction to Micro Economics	Mr. Abdul Majeed, Deputy Chief, NTRC.
12.	Economic Implications of Transport Infrastructure Maintenance	Mr. Malik Muhammad Saeed Khan Deputy Chief, T&C Section.
13.	Forecasting	Mr. Abdul Majeed, Deputy Chief, NTRC.
14.	Probability Analysis	Mr. Malik Muhammad Saeed Khan
15.	Risk & Uncertainty	Mr. Malik Muhammad Saeed Khan
16.	Sensitivity Analysis	Mr. Malik Muhammad Saeed Khan
17.	Transport Pricing	Mr. Abdul Majeed, Deputy Chief, NTRC.
18.	Cost Benefit Analysis	Mr. Abdul Majeed, Deputy Chief, NTRC.

Sl. No. Subject of the Lectures	Name of the Speakers
19. Sampling Techniques	Mr. M. Ishaq, Deputy Director General, Federal Bureau of Statistics.
20. Cost Accounting - I	Mr. Zahier Ahmed Butt, Assistant Professor, Deptt: of Business Administration, University of Punjab.
21. Cost Accounting - II	Mr. Zahier Ahmed Butt
22. Financial Analysis - I	Mr. Khalid Naeem Soofi, Special Assistant to Minister for Planning and Development.
23. Financial Analysis - II	Mr. Khalid Naeem Soofi
24. Critical Path Method-I	Miss Shamim A. Sahibzada, Senior Faculty Member, P.T.D.E.
25. Critical Path Method-II	Miss Shamim A. Sahibzada
26. Management Information-I	Mr. Amanullah Khan, Managing Director, Computer Applied Software & Hardware Enterprises, (CASH)
27. Management Information-II	Mr. Amanullah Khan
28. Decision Theories	Mr. Muhammad Athar Zaka, Joint Secretary, RCD Section, Planning Commission.
29. Highway Safety in Pakistan	Mr. M. Sadiq Swati, Chief, NTRC.
30. Indus Super Highway	Mr. M. Sadiq Swati, Chief, NTRC.
31. Equipment Replacement	Mr. Malik Muhammad Saeed Khan
32. National Highway Planning	Brig. Khalid M. Amin, Director General, National Highways Board.
33. Urban Transport Planning	Brig. S.S.A. Qasim, Managing Director, Karachi Transport Cor., Karachi.
34. Urban Transport Management	Engr. Parvaiz Sanif, Principal, Government College of Technology, Peshawar.

Sl. No.	<u>Subject of the Lectures</u>	<u>Name of the Speakers</u>
35.	Using Consultants	Mr. Aftab Alam, General Manager, Karachi Port Trust.
36.	Ports Planning	Mr. Aftab Alam General Manager, Karachi Port Trust.
37.	Project Monitoring and Evaluation	Mr. Shah Muhammad Ch: Chief, Implementation & Progressing Section, Project Wing, Planning Commission.
38.	R&D Requirement of Transport	Lt. Col Tahir Masood
39.	Sofre-Rail Studies	Mr. M. Akram Mirza, Addl. Secretary, (Traffic Member) Ministry of Railways.
40.	Managing Ports	Admiral M. I. Arshad, Chairman, Karachi Port Trust.
41.	Inland Water Transport	Mr. Sadaqat Hasan Mir, Sr. Chief, T&C Section.
42.	Pakistan Maritime Transport	Capt. S. I. H. Naqvi, Vice Chairman, P.N.S.C.
43.	Energy Requirement of Transport	Dr. M. Abdullah, Chairman, Elec. Engg. Department University of Engg: & Technology, Peshawar.
44.	Port Qasim (Case Study)	Rear Admiral A. Waliullah, Chairman, Port Qasim Authority Bin Qasim.
45.	Managing Railways	Mr. A. U. Zafar, General Manager, Railway Board.
46.	Airport Planning in Pakistan	A.V.M. Khurshid Mirza, Director General, Civil Aviation Authority.
47.	Aircraft Investment Decision	Mr. Badshah Gul, General Manager (P&D), Pakistan International Airlines.
48.	Automobile Industries in Pakistan	Maj. Gen. Jalaluddin, Chairman, Pakistan Automobile Corporation Limited.

LIST OF COURSE MATERIAL PROVIDED BY NTRC

Date	Topic	Speaker	Material provided by NTRC and Speakers
14-11-83	Role of Transport in Development	Mr. Annice Mahmood	"Role of Transport in Development by Mr.M.A.Farouk, Deputy Chief, NTRC. Handout on "Economic Function of Transport" by Mr. Annice Mahmood, Research Economist, P.I.D.E.
15-11-83 (I)	Social Implication of Transport Planning	Col.Tahir Masood	Handout on "Social Implication of Transport Planning" by Lt.Col. Tahir Masood.
15-11-83 (II)	Transport Priorities for Sixth Plan.	Mr.Sadaqat Hasan Mir,Senior Chief, Planning Commission.	Handout on "Strategic Objectives for the Sixth Plan(1983-88)" by Mr.Sadaqat Hasan Mir, Senior Chief,Planning Commission.
16-11-83 (I)	Project Cycle	Mr.M.Sadiq Swati, Chief, NTRC	Material of World Bank on "Project Cycle" reproduced by NTRC. Handout on "Project Cycle" prepared by Mr.M.Sadiq Swati, Chief, NTRC.
16-11-83	Transport Data Requirement and Surveys.	Mr.M.Kazim Idris, Assistant Chief, NTRC.	PC-I, PC-II, PM-I, PM-II, and PM-III proforma List of basic data required for project appraisal. "Transport Data Requirement" by Mr. M. Sadiq Swati, Chief, NTRC. "Transport Data Collection Storage & Retrieval System" by M. Asaf Khan, Deputy Chief, (Statistics) NTRC.
17-11-83 (I)	Technical Appraisal of Transport Projects	Mr.Sadaqat Hasan Mir, Sr. Chief, Planning Commission.	Proposal for Setting up of "Data Bank" in NTRC. Handout on "Project Appraisal Manual" by Mr.Sadqat Hasan Mir, Senior Chief, Planning Commission. "A Manual for the Economic Appraisal of Transport Projects", Planning Commission.

1.	2.	3.	4.
17-11-83 (II)	✓ Transport Planning Methodology	Mr.M.Sadiq Swati, Chief, NTRC	Handout on "Planning Methodology" by Mr.M.Sadiq Swati, Chief, NTRC.
19-11-83 (I)	Operation Research	Mr.M.Muhammad Ali, Director, Cabinet Sectt: O&M Division	Handout on "Operation Research" by Mr.Muhammad Ali, Director, Cabinet Sectt: O&M Division.
19-11-83 (II)	Introduction to Micro Economics	Mr.Abdul Majeed, Deputy Chief, NTRC	Material of World Bank on "Introduction to Micro Economics" by NTRC.
20-11-83	Forecasting	Mr.Abdul Majeed, Deputy Chief, NTRC.	Material of World Bank on "Forecasting methods" reproduced by NTRC. Handout on "Microscopic Traffic Demand Forecasting" by Mr.Abdul Majeed, Deputy Chief, NTRC.
21-11-83	Risk & Uncertainty	Mr.Malik Muhammad Saeed Khan, Deputy Chief, Planning Commission	Material of World Bank on "Risk and Uncertainty" reproduced by NTRC.
22-11-83 (I)	Sensitivity Analysis	Mr.Malik Muhammad Saeed Khan, Deputy Chief, T&C Section, Planning Commission	Material of World Bank on "Sensitivity Analysis" reproduced by NTRC.
22-11-83 (II)	Transport Pricing	Mr.Abdul Majeed, Deputy Chief, NTRC	"Pricing" by Mr.Abdul Majeed, Deputy Chief, NTRC.
23-11-83 (I)	Cost Benefit Analysis	Mr.Abdul Majeed, Deputy Chief, NTRC	Material of World Bank on "Cost Benefit Analysis" reproduced by NTRC. "Cost Benefit Analysis" introduction by Mr.Abdul Majeed, Deputy Chief, NTRC.
23-11-83 (II)	Sampling Techniques	Mr.M. Ishaq, Deputy Director General, Federal Bureau of Statistics	Hand out on "Planning and Designing of a Sample Survey" by Mr.M. Ishaq, Deputy Director General.

1.	2.	3.	4.
26-11-83 (I)	Cost Accounting-I	Mr. Zahier Ahmad Butt Assistant Professor Deptt: of Business Administration Uni. of Punjab.	Material of the World Bank on "Cost Accounting" reproduced by NTRC.
26-11-83 (II)	Cost Accounting-II	-do-	Material of the World Bank reproduced by NTRC.
27-11-83 (I)	Financial Analysis I.	Mr. Khalid Naeem Soofi, Assistant to Minister for Planning and Development.	Material of World Bank on "Financial Analysis" reproduced by NTRC.
27-11-83 (II)	Financial Analy- sis-II	-do-	Material of World Bank reproduced by NTRC. Handout on "Assumptions Underlying Earnings Forecast" by Mr. Khalid Naeem Soofi.
28-11-83 (I)	Critical Path Method-I	Miss Shamim A. Sahibzada, Senior Faculty Member(PIDE)	Material of World Bank on "Critical Path Method" reproduced by NTRC. Handout on "Critical Path Method-I" by Miss Shamim A. Sahibzada.
28-11-83 (II)	Critical Path Method-II	-do-	Material of World Bank on "Critical Path Method-II" reproduced by NTRC. Handout on "Critical Path Method-II" by Miss Shamim A. Sahibzada.
31-11-83	Highway Safety in Pakistan	Mr. M. Sadiq Swati, Chief, NTRC	"Highway Safety present situation" by Mr. M. Sadiq Swati, Chief, NTRC. "Real Problem of Highway Safety in Pakistan" by Mr. M. Sadiq Swati, Chief, NTRC. "Psychological Attitudes Towards Highway Safety" by Mr. M. Sadiq Swati, Chief. "Effect of Enforcement on Road User's Behaviour" by Mr. M. Sadiq Swati, Chief, NTRC. "Accident Study for Punjab" by Mr. M. Sadiq Swati, Chief, NTRC and Mr. M. Kazim Idris, Assistant Chief, NTRC.

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			"Traffic Organization in Pakistan" by Mr.M.Sadiq Swati, Chief, NTRC.
3-12-83	Indus Super Highway	Mr.M.Sadiq Swati, Chief, NTRC	"Project Appraisal of the Indus Super Highway Project" prepared by the Planning Division
4-12-83 (I)	Equipment Replacement.	Malik Muhammad Saeed Khan, Deputy Chief, T&C Section	Material of World Bank on "Equipment Replacement Analysis" reproduced by NTRC.
4-12-83 (II)	National Highway Planning	Brig.Khalid M.Amin Director General, National Highways Board.	"Highway Transportation Studies and Surveys" by Mr.M.Aslam Farouk Deputy Chief, NTRC. Handout on "Design Standards adopted by National Highway Board" by Mr.Khalid M. Amin, Director General, (N.H.B.)
5-12-83	Urban Transport Management	Mr.Parvaiz Sani, Principal, Govt. College of Technology, Peshawar.	Handout on "Management of Urban Transport Planning of Process" By Mr.Parvaiz Sani, Principal Govt. College of Technology.
		Brig.S.S.A.Qasim, Managing Director, Karachi Transport Corporation.	Handout on "Urban Bus Transport" by Mr.S.S.A.Qasim, Managing Director, (KTC).
6-12-83 (I)	Project Monitoring and Evaluation	Mr.Shah Muhammad Ch. Chief, Implementation and Progressing Section Planning Commission	Material of World Bank on "Project Monitoring and Evaluation" reproduced by NTRC. Hand out on "Projects Monitoring and Evaluation" by Mr. Shah Muhammad Choudhry, Chief (I&P SECTION).
6-12-83 (II)	R&D Requirement of Transport	Lt.Col.Tahir Masood	"Transport Research and Development in Pakistan" by Mr.M.A.Farouk, Deputy Chief,NTRC. Handout on "Research and Development in Transportation Field" by Col. Tahir Masood.
7-12-83	Sofre Rail Studies	Mr.M.Akram Mirza, Addl.Secretary, M/O Railways.	"Sofre Rail Studies" by Mr.Shahzad Ahmad Khan, reproduced by NTRC.
10-12-83	Inland Water Transport	Mr.Sadaqat Hasan Mir Senior Chief Planning Commission	"Inland Water Transport in Pakistan" by Mr.M.A.Farouk, Deputy Chief, NTRC.

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11-12-83 Energy Requirement
of Transport
(Case Study)

Dr.M.Abdullah,
Chairman,
University of Engg:
and Technology,
Peshawar.

"Energy use in Transport
by Mr.M.Abdullah,
reproduced by NTRC.

"Fuel Consumption Study"
by Mr. Abdul Majeed,
Deputy Chief, NTRC.

SOCIAL FUNCTIONS

- November 13, 1983 (Sunday) Inaugural Ceremony arranged by NTRC for the participants/invited Guests.
- November 24, 1983 (Thursday) Visit to Frontier Works Organization field office, Islamabad.
- December 1, 1983 (Thursday) Visit to Pakistan Railway Carriage Factory, Islamabad.
- December 7, 1983 (Wednesday) Dinner in the honour of course Director by the course participants at Army Services Corps Club Rawalpindi.
- December 8, 1983 (Thursday) Visit to 2nd Carriageway (between Taxila-Hasanabdal, Attock Bridge & 3rd Highway Project (between Nowshera-Peshawar-Charsada).
Lunch was honoured in honour of Course Participants by Director General, National Highways Board at Peshawar.
- December 13, 1983 (Tuesday) Tea in honour of course Director and his staff by the course participants.
- December 15, 1983 (Thursday) Lunch in honour of participants by General Manager, Railway Board, Lahore.
- December 15, 1983 (Thursday) Dinner in honour of course participants at Felatti's Hotel, by the General Manager, Punjab Urban Transport Corporation, Lahore.
- December 17, 1983 (Saturday) Lunch at the board by Chairman, Pakistan National Shipping Corporation.
- December 17, 1983 (Saturday) Dinner by the Director General, Civil Aviation Authority, at P.I.A. Club Karachi.
- December 20, 1983 (Tuesday) Lunch by Managing Director, Karachi Transport Corporation.

December 20, 1983	(Tuesday)	Dinner at the Midway House by Chairman, P.I.A.C.
December 21, 1983	(Wednesday)	Lunch in honour of the course participants by Chairman, Port Qasim Authority.
December 22, 1983	(Thursday)	Lunch at Karachi Boat Club by the Chairman Karachi Port Trust in which Diplomas were presented to the participants.

FIELD VISITS

D A T E	DA	TIME	FROM	TO	PROGRAMME
1	2	3	4	5	6
24th November, 1983	Thursday	09.45	National Trans- port Research Centre	Field Office Frontier Works Organ- ization, Islamabad.	Visit for the Field Office Frontier Works Organization Islamabad (1000-1230 Hrs)
1st December, 1983	Thursday	10.30	NTRC, Islamabad	Carriage Factory Islamabad	Visit to Pakistan Railway Carriage Factory, Islamabad (1100-1400-Hrs)
8th December, 1983	Thursday	07.30	NTRC, Islamabad	Peshawar Charsada	Visit to 2nd Carriageway, Attock Bridge, and 3rd Highway Project. <u>LUNCH:</u> by Director General National Highway Board at Peshawar.
15th December, 1983	Thursday	09.00	Faletti's Hotel	Mughalpura	Visit to Railway Workshops (1000-1200 Hrs)
		12.15	Mughalpura	Office of Railway Board, Lahore.	<u>LUNCH:</u> by General Manager, Railway Board, Lahore.
		13.30	Railway Board Lahore	Punjab Urban Transport Corporation	Visit to PUTC Workshops (1400-1600 Hrs) <u>DINNER:</u> by Managing Director P.U.T.C.

1.	2.	3.	4.	5.	6.
17th December, 1983	Saturday	09.00	Jabees Hotel	Pakistan National Shipping Corporation	Visit (1000-1200 Hrs) <u>LUNCH:</u> on Board by Chairman, P.N.S.C.
		14.00	P.N.S.C.	Karachi Airport	Visit (1430-1630 Hrs) <u>DINNER:</u> by Director General, Civil Aviation Authority at PIA Club Karachi.
19th December, 1983	Monday	09.00	Jabees Hotel	Pakistan Automobile Corporation Limited.	Visit to Assembly Plant of Shah Nawaz Motors and Sind Engineering/Awami Autos Workshops, Karachi (0930-1300 Hrs)
		13.15	P.A.C.O	Karachi Shipyards Engineering Works.	Field Visit (1400-1600 Hrs)
20th December, 1983	Tuesday	0900	Jabees Hotel	Karachi Transport Corporation	Field Visits (0930-1200 Hrs) <u>LUNCH:</u> by Managing Director, K.T.C.
		1330	K.T.C.	Pakistan International Airlines Corporation	Visit to PIA Computer Centre and Workshops (1400-1630 Hrs)
					<u>DINNER:</u> by Chairman PIAC at Midway House.
21st December, 1983	Wednesday	0900	Jabees Hotel	Port Qasim Authority	Field Visit (0930-1300 Hrs) <u>LUNCH:</u> by Chairman, Port Qasim Authority.
		1315	Port Qasim Authority	Pipri Mar- shalling Yard	Field Visit (1400-1600 Hrs)

1.	2.	3.	4.	5.	6.
22nd December, 1983	Thursday	0900	Jabees Hotel	Karachi Port Trust	Visit to K.P.T. (0930-1200 Hrs) <u>LUNCH:</u> by Chairman Karachi Port Trust and dis- tribution of Certificates (1230-1330 Hrs)

5TH - PLANNING COMMISSION COURSE ON
TRANSPORTATION PROJECTS-PLANNING :

FIRST WEEK

(13 Nov. - 17th Nov. 1983)

(Islamabad 13th November - 22nd December, 1983)

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 Wednesday). 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 Simenar 'X'.

Sr. No.	Date	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,	Theoretically Oriented	Practically Oriented		Other remarks		
1.	2,	3,	4.	5.	6,	7.	8.	9.	10.	11	12	13	14	15

1. 13-11-1983 Current Economic Zaman Situation

39

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
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1. Historical Development of Transport in Pakistan
 Mr. Majeed

2. Role of Transportation in Development
 Mr. Annice

3. Social Implications of Transport Planning
 Mr. Masood

4. Transport Priorities for Sixth Plan
 Mr. Mir qu-baifia

5. Project Cycle
 Mr. Swati

6. Transport Data Requirements & Surveys
 Mr. Idris

7. Technical Appraisal of Transport Project
 Mr. Min

8. Transport Planning Methodology
 Mr. Swati

1983

5TH - PLANNING COMMISSION COURSE ON TRANSPORTATION PROJECTS PLANNING
(13th November - 22nd December, 1983)

SECOND WEEK

(19th Nov. - 23rd Dec. 1983)

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 every week (on Wednesday). 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 in 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'.

S. 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	Less than was expected	About what was expected	Well prepared	Would have been prepared better	Theoretically oriented.	Practically oriented.			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.

- 19-11-83 Operation Research Mr. Ali
- 19-11-83 Introduction to Micro Economics Mr. Majeed

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
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4. 5-12-83 Urban Transport Mr. Sani/Qasim
Management

5. 5-12-83 Using Consultants Alam

6. 6-12-83 Ports Planning Alam

7. 6-12-83 Project Monitoring & Choudhry/Masood
Evaluation/R&D
Requirement of Transport

8. 7-12-83 Some Rail Studies Akram

9. 7-12-83 Loading Ports Arshad

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PLANNING COMMISSION COURSE ON TRANSPORTATION PROJECTS PLANNING
 (15th November - 22nd December, 1983)

FIFTH WEEK
 (10th Dec: -14th Dec., 1983)

WEEKLY EVALUATION

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 every week (on Wednesday). They are requested to record their candid opinion 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'.

S. 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	Would have been prepared better	Theoretically oriented	Practically oriented	Other Remarks	Suggestions	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	

1. 10-12-83 Inland Water Transport Mir

2. 10-12-83 Pakistan Maritime Transport Naqvi

3. 11-12-83 Energy Requirement of Transport (Case Study) Abdullah

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
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4. 12-12-83 Port Qasim Wallullah
(Case Study)

5. 12-12-83 Managing Railways Zafar
6. 13-12-83 Airport Planning Mirza
in Pakistan

7. 13-12-83 Aircraft Investment Gul
Decision

8. 14-12-83 Automobile Industry Jalaludin
in Pakistan

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DETAILS OF EXPENDITURE

1.	<u>Inaugural Session</u>	
	Tea/Light Refreshment and other arrangements.	Rs. 3,386.00
	Sub-Total (1)	<u>Rs. 3,386.00</u>
2.	<u>Speakers</u>	
	<u>Out Side Speakers</u>	
	T.A	Rs. 540.00
	D.A and Hotel Charges	Rs. 837.00
	Lecture Fee at Rs.300/- per lecture	Rs. 900.00
	<u>Other Speakers</u>	
	Lecture fee at Rs.300/- per lecture	Rs.13,500.00
	Sub-Total (2)	<u>Rs.15,777.00</u>
3.	<u>Transport Etc.</u>	
	Office Vehicle	Rs. 1,450.00
	Hired Transport (at Karachi) during field visits).	Rs. 5,000.00
	Sub-Total (3)	<u>Rs. 6,450.00</u>
4.	Refreshment	Rs. 7,313.00
5.	Stationery	Rs. 2,240.00
6.	Honoraria	Rs.10,000.00
	Sub-Total (4)	<u>Rs.19,553.00</u>
7.	<u>Field Visits</u>	
	<u>T.A</u>	
	Course Director	Rs. 2,320.00
	Deputy Chief	Rs. 2,385.00
	Course Organiser	Rs. 2,385.00
	<u>D.A and Hotel Charges</u>	
	Course Director	Rs. 817.00
	Deputy Chief	Rs. 2,421.00
	Course Organiser	Rs. 2,055.00
	Sub-Total(5)	<u>Rs.12,383.00</u>

8. Postage etc.	Rs. 1,100.00
9. Printing of course Material	Rs. 18,365.00
10. Furniture	Rs. 3,000.00
11. Contingency	Rs. 3,800.00

Sub-Total (6) Rs. 26,265.00

GRAND TOTAL (1-11): Rs. 83,814.00

TOTAL NUMBER OF PERSONS TRAINED IN DIFFERENT TRANSPORTATION PROJECTS PLANNING COURSES

Sl. No.	Name of Organization	First Course October 28 - November 29 -1976	Second Course September 19 - October 23 - 1977	Third Course October 1 - November 5, 1978	Fourth Course September 15 - October 25, 1979	Fifth Course November 13 - December 22, 1983	Total (Cols. 3-7)
1.	2.	3.	4.	5.	6.	7.	8.
1.	Planning Division, Islamabad	1	1	1	2	-	5
2.	M/O Communication, Islamabad	-	1	-	2	-	3
3.	Statistics Division, Karachi	-	-	-	1	-	1
4.	Aviation Division	-	-	1	-	-	1
5.	Civil Aviation Department	-	-	1	1	-	2
6.	Pakistan International Airlines.	1	6	3	1	-	11
7.	A. D. A.	1	1	2	-	1	5
8.	M/O Railways, Islamabad	1	-	2	-	-	3
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	4
13.	Port Qasim Authority	1	1	1	1	2	6
14.	ISHB/NHB	2	-	2	1	2	7
15.	NESPAK	2	2	-	-	1	5
16.	B&R Deptt: NWFP	2	2	1	-	-	5
17.	C&W Deptt: NWFP	-	-	1	-	2	3
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 (Observer)	1	-	1	-	2
22.	Punjab Building deptt:	-	-	-	1	-	1
23.	P.R.T.B.	2	-	-	-	-	2

1.	2.	3.	4.	5.	6.	7.	8.	
24. Punjab Urban Transport Corporation	-	-	-	-	1	1	2	
25. P&D Department, Baluchistan	-	-	1	-	-	-	1	
26. C&W Department, Baluchistan	-	-	1	-	1	-	2	
27. B&R Department, Baluchistan	-	-	-	2	-	-	2	
28. PWD Department, Azad Kashmir	-	-	-	1	1	1	3	
29. R&W Department, Azad Kashmir	1	-	-	1	-	-	2	
30. C&W Department, Azad Kashmir	-	-	1	-	-	-	1	
31. S. R. T. C. Hyderabad	-	-	1	-	-	-	1	
32. Karachi Transport Corporation	-	-	-	-	1	1	2	
33. P. A. C. O. Karachi.	-	-	-	-	1	-	1	
34. C. D. A. Islamabad	-	-	-	-	1	-	1	
35. N.E.D. University of Engg: & Tech.	-	-	-	-	1	1	2	
36. Police, Sind, Karachi.	-	-	-	-	1	-	1	
37. N. I. P. A.	1	-	-	-	-	-	1	
38. Republic Engineering Corporation	1	-	-	-	-	-	1	
39. Karachi Port Trust	-	-	-	-	1	-	1	
40. Army Service Corps.	-	-	-	-	-	9	9	
41. Faisalabad Development Authority	-	-	-	-	-	1	1	
42. Engineering in Chief Branch (GMQ)	-	-	-	-	-	1	1	
43. Commissioner Peshawar Division	-	-	-	-	-	1	1	
T O T A L:			22+1(Obs)	25	24	23	29+1 (Obs)	123+2(Obs)