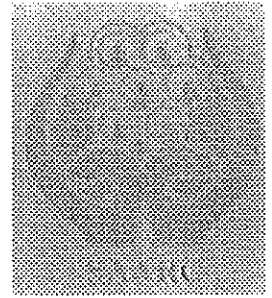


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**TRANSPORT PROJECT PLANNING COURSE  
FOR  
SAARC MEMBER COUNTRIES**

*31<sup>st</sup> March - 5<sup>th</sup> April 2003*

*Organized By*

National Transport Research Centre (NTRC)  
Ministry of Communications  
Government of Pakistan  
Islamabad

NTRC-249

April, 2003

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## 1. **INTRODUCTION**

Some important elements in the improvement of transport system are identification, selection, planning and designing of transport projects for proper and timely execution. The expertise in these areas need to be developed and improved among Engineers and Planners for the judicious use of scarce resources in the most cost effective manner and proper execution of projects.

National Transport Research Centre (NTRC), Government of Pakistan is a research organization carrying out applied research in various modes of transport. Apart from its research endeavors, the Centre provides professional training in Transport Project Planning & Road Engineers Refresher Courses. Prior to this course, the Centre had organized nine courses on Transport Project Planning.

In the first meeting of the Technical Committee on Communications and Transport held in Islamabad in January 2001 (and attended by all member states) it was proposed that in view of considerable experience of NTRC, Transport Project Planning Course be held in Pakistan. The first SAARC Transport Project Planning Course facilitated by the SAARC-Japan Fund was accordingly held by the National Transport Research Centre at Islamabad from 31-3-2003 to 05-4-2003 for participants from SAARC Member Countries.

## 2. **COURSE OBJECTIVES**

The main objective of the course, conducted in the English language, was to improve the quality of planning and operational techniques of various transport agencies in the SAARC region by imparting training to participants so that they could effectively contribute towards sustainable development and economic growth of their countries and the region.

The course was designed to equip the middle level professionals engaged in transport related activities with theoretical and practical skills in the methods and techniques for preparation, appraisal, implementation and evaluation of transport projects.

### 3. **NOMINATIONS AND LIST OF PARTICIPANTS**

The course was limited to participants from SAARC member countries. Each member country of SAARC was invited to nominate two principal and two alternate candidates from their relevant public and/or private sector agencies and possessing:

- a University degree in transport related field.
- at least five years experience of working in transport related job.

A concept paper was circulated to each of the SAARC member country through the Ministry of Foreign Affairs, Islamabad and SAARC Secretariat, Khatmandu for seeking nominations of participants. The concept paper and guidelines provided to the participants may be seen at Annexure-I. The topics to be covered in the course along with tentative course schedule were also provided.

The course was attended by two participants each from Bangladesh, Bhutan, Nepal, Pakistan and Sri Lanka. While India and Maldives confirmed their nominations (Annexure-II), they could not arrive though Maldives' nominees even intimated their itinerary.

### 4. **INAUGURAL SESSION**

The inaugural session held on 31<sup>st</sup> March, 2003 was chaired by the Chief guest Mr. Iftikhar Rashid, Secretary, Ministry of Communications. It started with recitation from the Holy Quran. Mr. Muhammad Kazim Idris, Chief, National

Transport Research Centre (NTRC), Ministry of Communications, Islamabad welcomed the participants. In his welcome address, Chief, NTRC emphasized the need for infrastructure development particularly relating to transport in the context of growing population along with rapid urbanization. He highlighted the importance of increased mobility offered by transport infrastructure for better spatial dispersal of population and efficient location of industry. He stressed that scarce resources of the SAARC countries must be utilized efficiently along with the promotion of expertise among planners and engineers.

Mr. Iftikhar Rashid, Secretary, Ministry of Communications, Government of Pakistan, declared the course open. In his inaugural address the Secretary (Communications) pointed out that SAARC is a manifestation of the determination of the people of South Asia to cooperate regionally and to work towards evolving solutions to their common problems in a spirit of friendship, trust, and understanding. Secretary (Communications) reiterated the support of Pakistan towards regional cooperation in South Asia. He emphasized the importance of transport project planning for both the developed and developing countries and pointed out the lack of transport infrastructure as a major element that impedes progress. He proposed that the subject of transport project planning deserves serious and regular consideration of the SAARC countries. The Welcome Address and the Inaugural Address may be seen at Annexure-III & IV respectively.

## 5. **COURSE PROGRAM**

The course was of 6 days duration (March 31 – April 5, 2003) as per course schedule at Annexure-V. The course introduced the participants to the techniques of Transport Project Planning, Economic Analysis of Transport Projects, Cash Flow Analysis, Environment and Energy Issues in Transport, Cost Effective Roads for Developing Countries, Highway Design and Planning,

The course included a one day field visit to the Pakistan Motorway (M-2) from Islamabad to Salt Range (200 Km each way) arranged by the National Highway Authority (NHA). Presentation on the project was made by the Director Maintenance M-2 at Balkasar camp office followed by visit to the Motorway and Bridges in the Salt Range.

The course comprised core lectures by eminent engineers and planners. Participants were encouraged to discuss specific issues and problems related to transport sector. Sharing of knowledge and experience among the course participants formed an essential component.

#### 6. **COURSE VENUE**

The foreign delegates were extended full local hospitality with their stay at the Holiday Inn, Islamabad. They were provided 30% of their daily allowance in cash as per SAARC rules. The local participants were accommodated as per Government of Pakistan TA & DA rules. List of participants is at Annexure-II.

#### 7. **COURSE LECTURES**

The course covered 12 exhaustive lectures related to various topics of transport project planning as mentioned above. These lectures were delivered by speakers of outstanding reputation in their field. List of topics, speakers and their addresses may be seen in Annexure-VI. A brief synopsis of their lectures is as under:

##### *Lecture-I* **Transport Project Planning**

The lecture delivered by Dr. Shamim A. Sahibzada covered the need for transport project planning particularly in the context of macro-economic framework and its impact on socio-economic development of the country. The lecture particularly emphasized on removal of distortions for ensuring balanced development. The basic concepts of economic appraisal & evaluation of transport

projects including the use of shadow prices, the types of adjustment for such analysis were also discussed.

*Lecture-II*    **Economic Analysis of Transport Projects**

The second lecture delivered by Dr. S. Ghias-ul-Haq was a logical extension of the first lecture in which he further developed the concepts of economic analysis. Traffic forecasting techniques and estimation of normal, diverted and generated traffic and the related financial and economic cash flows were discussed.

*Lecture-III*    **Cash Flow Concept**

In view of the importance of cash flows in financial and economic appraisal/evaluation of transport sector projects, the lecture discussed in detail the cash flow concepts. It also focused on user charges and recovery of costs from the beneficiaries in line with the current approach of attracting private investments in the transport sector.

*Lecture-IV*    **Environment and Energy Issues in Transport**

The lecture delivered by Dr. Sarwar Saqib discussed the concepts of sustainable energy, energy use at individual and national levels. The issues of environmental pollution and adverse health effects particularly in the context of transport sector were highlighted. The energy conservation measures were also discussed.

*Lecture-V*    **Cost Effective Roads for Developing Countries**

Roads constitute one of the highest public sector investments. Durable roads are essentially required to realize the projected benefits over design life. The lecture on Cost Effective Roads by Dr. Shahab Khanzada identified the technical/engineering aspects of various types of pavements. It

discussed pavement design and construction practices followed in various SAARC countries and emphasized the need for evolving design standards, material specifications, etc compatible with local environmental and operating conditions for building cost effective roads.

*Lecture-VI*    **Highway Design and Planning**

The lecture delivered by Mian Noor Mahmood covered the technical details with particular emphasis on the geometric design elements (alignment, profile, x-sections, super-elevation, intersections, etc) to make the roads comfortable and environment friendly.

*Lecture-VII*    **Introduction to Forecasting Techniques**

One of the most important areas in transport project planning is forecasting. The lecture by Dr. Eatzaz Ahmad on Introduction to Forecasting Techniques identified the need and techniques for forecasting. Different types of econometric forecasting models were discussed. The whole exercise of forecasting is to try to know the unknown future and limitations of forecasting were also highlighted.

*Lecture-VIII*    **Role of Private Sector in Transport**

The lecture delivered by Dr. Zafar Raja discussed the role of private sector in the context of Pakistan. It comprehensively dealt with various modes of private sector financing and introduced the salient features of BOT financing and its various conceptual variations.

*Lecture-IX*    **Cost Benefit Analysis of Transport Projects**

Cost Benefit Analysis is essentially required for investment decision-making. The lecture delivered by Dr. Shamim A. Sahibzada discussed in detail



the need for cost benefit analysis, the techniques of measuring costs and benefits through various case studies.

*Lecture-X*    **Information Technology in Transport**

Information Technology now encompasses the various facets of our life and transport sector is no exception. The lecture delivered by Dr. Faiz Ishaq on Information Technology in Transport discussed the traditional applications including management, control and on-board systems. The enabling infrastructure of the global positioning system, worldwide web, cellular network etc have made it possible to help in vehicle location, real time tracking, flight tracking, shipment tracking, intelligent vehicle systems, etc to make the transport systems safe and efficient.

*Lecture-XI*    **Air Transport Planning**

Air transport grows rapidly along with the growth of economy. The lecture delivered by Mr. Abdul Waheed discussed the various aspects of air transport planning with reference to Pakistan. It discussed the objectives of national aviation policy, its characteristics and the role of government and private sector.

*Lecture-XII*    **Railway Planning**

Railways is one of the oldest and most important components of the overall transport system. The lecture delivered by Mr. Abdul Waheed covered various aspects of railway planning particularly in the context of Pakistan Railways. It discussed in detail the history of Pakistan Railways, its assets, traffic volumes, profitability, etc. The shift in modal split in favour of roads due to lack of investment in railways, depletion of its assets and lack of flexibility in providing door-to-door service were also discussed. Government regulated fares and operation of un-remunerative route also contribute towards the losses of the railways. It made suggestions for the improvement of railway system.

The participants benefited greatly from the enlightened views put forth before them by the course speakers. The complete lectures have been compiled separately.

#### 8. **COURSE MATERIAL**

In addition to the lecture material prepared by the course speakers, a few related NTRC publications were also provided to the course participants as course material.

#### 9. **COUNTRY PAPERS**

As per the concept paper, each participant was required to present a country paper in his professional field. However some of them provided comprehensive country papers incorporating useful statistics of their country and the transport sector. The country papers have been compiled separately.

#### 10. **PRESENTATIONS**

The participants were invited to give brief presentation of 20 minutes each in the field of their employment. NTRC officers extended necessary help in preparing the presentations by the course participants. Joint presentation was made by the pair of participants from each country. The Pakistani participants made two separate presentations, one each on Railway and the National Highway Authority. The presentations have been compiled separately.

#### 11. **VOTE OF THANKS**

Before closing the course, the participants were invited to give their views on the course attended by them. On behalf of all the course participants, the participant from Nepal, Mr. Raj elaborated the usefulness of the course including field visit to the Motorway M-2. He thanked the National Transport Research

Centre for organizing the course and acknowledged the financial assistance extended under the SAARC-Japan Fund. The participant from Bangladesh, Mr. Abdus Salam seconded the appreciating views of Mr. Raj. While expressing his opinion about shorter duration of the course, he wished the course might be of a longer duration.

## 12. **CERTIFICATE DISTRIBUTION**

There were 10 course participants and each course participant was awarded a certificate of attendance, which was not graded, by the Chief, National Transport Research Centre on 5<sup>th</sup> April, 2003.

## 13. **PHOTOGRAPHS**

Group photographs of participants separately and with few of the speakers and Chief, National Transport Research Centre were taken. The Group photograph of the course participants was made part of the certificate awarded. Separate photographs were also taken of individual participants receiving his certificate. The individual photographs have been E-mailed to the participants. The Group photographs may be seen at Annexure-VII.

## 14. **MEDIA COVERAGE**

The SAARC Course got appropriate coverage in the media. The Ministry of Information directed the leading Newspapers which covered the program of event prior to its holding. Coverage of the inaugural session was done including speeches made by the Secretary Communications and Chief NTRC. Newspaper cuttings from one of the leading newspapers (The News, Islamabad) may please be seen at Annexure-VIII.

15. **DOCUMENTATION**

As mentioned earlier, a complete set of course lectures, country papers/reports and presentations have been compiled and placed in the library of the National Transport Research Centre for future reference.

16. **ACKNOWLEDGEMENTS**

National Transport Research Centre (NTRC) would like to place on record the cooperation and assistance extended to it for holding the course, notably by the Govt. of Japan, the SAARC Secretariat, the Ministry of Communications, the National Highway Authority and the National Highway and Motorway Police.



**ANNEXURES**

## LIST OF ANNEXURES

<b>Annexures</b>	<b>Subject</b>
<b>Annexure - I</b>	<b>Concept Paper &amp; Guidelines for The Participants</b>
<b>Annexure - II</b>	<b>List of Nominations &amp; Participants</b>
<b>Annexure - III</b>	<b>Welcome Address</b>
<b>Annexure - IV</b>	<b>Inaugural Address</b>
<b>Annexure - V</b>	<b>Course Schedule</b>
<b>Annexure - VI</b>	<b>List of Topics, Speakers and Their Addresses</b>
<b>Annexure - VII</b>	<b>Photographs</b>
<b>Annexure - VIII</b>	<b>Media Coverage</b>

***Annexure - I***

**Concept Paper & Guidelines for  
The Participants**

# CONCEPT PAPER

## TRANSPORT PROJECT PLANNING COURSE

### INTRODUCTION

Some important elements in the improvement of transport system are identification, selection, planning and designing of projects for proper and timely execution. The expertise in these areas need to be developed and improved among Engineers and Planners for the judicious use of scarce resources in the most cost effective manner and proper execution of projects.

National Transport Research Centre (NTRC), Government of Pakistan is a research organization carrying out applied research in various modes of transport. Apart from its research endeavors, the Centre provides professional training in "Transport Project Planning". To date the Centre has organized nine such courses. The present course is scheduled to be held at Islamabad from 31-3-2003 to 05-4-2003 for participants from SAARC Member Countries.

### COURSE OBJECTIVES

The main objective of the course is to improve the quality of planning and operational techniques of various transport agencies by imparting training to participants so that they can effectively contribute towards sustainable development and economic growth.

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

### OUTLINE PROGRAM

The course consists of core lectures by eminent engineers and planners. Participants will be encouraged to discuss specific issues and problems related to transport sector.

Each participant will be provided with a set of course material. On successful completion of the course, each participant will be awarded a certificate of attendance, which will not be graded. Topics covered in the course, inter alia, include:-

- i. ROADS
- ii. ROAD TRANSPORT
- iii. TRANSPORT ECONOMICS
- iv. TRANSPORT PLANNING
- v. ENVIRONMENT
- vi. INFORMATION TECHNOLOGY
- vii. AIR TRANSPORT
- viii. RAILWAYS



## **LANGUAGE, VENUE AND ACCOMMODATION**

The course will be conducted in English. It will be held from 31-3-2003 to 05-4-2003 at Islamabad, Pakistan. The foreign participants will be provided TA/DA as permissible under SAARC rules, while local participants will be provided TA/DA permissible as per rules of Government of Pakistan out of SAARC Japan Special Fund. The fund also includes provision of boarding and lodging to be arranged by the Centre for the participants.

## **NOMINATION OF PARTICIPANTS**

The course is limited to participants from SAARC member countries. Each member country of SAARC is invited to nominate two principal and two alternate candidates from their relevant public and / or private sector agencies, Nominees are expected to:

- i. be in possession of a University degree in transport related field.
- ii. have at least five years experience of working in transport related job.

## **COUNTRY PAPER**

Each participant will be required to present a Country Paper in his professional field. Principal Candidates are expected to send copies of their Country Paper by fax or through e-mail at least one week before commencement of the course to the contact person named below:

## **CONTACT PERSON**

Mr. Mushtaq Mahmood,  
Deputy Chief,  
National Transport Research Centre (NTRC),  
Communications Division,  
Ministry of Communications,  
Government of Pakistan  
Sector H-8/2, Islamabad – Pakistan.  
Fax No. 92-51-9257334  
E-mail: [ntt@isb.paknet.com.pk](mailto:ntt@isb.paknet.com.pk)

# SAARC TRANSPORT PROJECT PLANNING COURSE

## GUIDELINES FOR PARTICIPANTS

Proposed Time Period: 31-03-2003 to 05-04-2003

Place: Islamabad (Capital City)

**Weather:** i) Spring season: Green and flowery  
ii) Expected temp: Min. 20 and Max. 32  
iii) Sweater may be required

**Language:** Urdu is National language but other dialects are also spoken in Islamabad. However, in business centers, English is understood and responded to some extent.

**Guide:** Responsible guide to receive at Islamabad Airport using placard indicating name of participant. Time to time guidance will be provided by him and he will also see off the participant at Islamabad Airport.

**Security:** It is normally secure to move around the capital city. Map of civic area will be provided. However, it is advised to seek instructions or company of the guide to avoid risk of missing the way in case of leaving for outside civic area.

**Venue:** Stay is proposed at Hotel Holiday Inn, 23 Km from Airport but right in civic area of the city.  
Training course will be within the hotel premises.

**Local Hospitality:** i) Transport from and to Islamabad Airport.  
ii) Messing and lodging (excluding laundry & long distance calls).

**Per Diem:** US\$ 33 / equivalent in local currency (as per SAARC rules)

**Currency:** To be paid in local currency, easily convertible in foreign currencies from moneychangers @ 1 US\$ = Rs. 58 to 59 (\*)

**Tourist Information:** Tourist Information available on Pakistan Tourism Development Corporation Website from [www.tourism.gov.pk](http://www.tourism.gov.pk)

\* Rate prevailing in November 2002

***Annexure - II***

**List of Nominations & Participants**

## LIST OF NOMINATIONS

Country	Name, Designation & Address
Bangladesh	1. Mr. Md. Abdus Salam, Executive Engineer, (Superintending Engineer-in-Charge), Roads & Highways Department, Dhaka
	2. Mr. Md. Makbul Hossain, Divisional Engineer, Bangladesh Railway
Bhutan	1. Mr. Sonam Gyeltshen, Regional Transport Officer
	2. Mr. Phurba Tamang, Transport Planner, RSTA
India	1. Mr. Beni Madhad Doley, Joint Commissioner, Assam
	2. Mr. R.N. Parashar, IAS, Transport Commissioner & Secretary, Transport Department, Haryana
Maldives	1. Mr. Ahmed Saleem, Director General, M/O Transport & Civil Aviation
	2. Mr. Ahmed Nazir, Assistant Director, M/O Transport & Civil Aviation
Nepal	1. Mr. Dhana Raj Sapkota, Senior Divisional Engineer, M/O Physical Planning and Works
	2. Mr. Prem Kumar Singh, Mechanical Engineer, Transport Management Office, Bagmati
Pakistan	1. Kh. Nazir Ahmed, CCM/Freight, Ministry of Railways, Railway Board
	2. Mr. Nadeem Hussain Malik, Deputy Director (Design), NHA
Sri Lanka	1. Mr. H.M.K.G.G. Bandara, Deputy Director, Road Development Authority
	2. Mr. Nihal Chandrasiri, Planning Assistant, M/O Transport, Highways & Civil Aviation

## LIST OF PARTICIPANTS

Country	Name, Designation & Address
Bangladesh	1. Mr. Md. Abdus Salam, Executive Engineer, (Superintending Engineer-in-Charge), Roads & Highways Department, Dhaka
	2. Mr. Md. Makbul Hossain, Divisional Engineer, Bangladesh Railway
Bhutan	1. Mr. Sonam Gyeltshen, Regional Transport Officer
	2. Mr. Phurba Tamang, Transport Planner, RSTA
Nepal	1. Mr. Dhana Raj Sapkota, Senior Divisional Engineer, M/O Physical Planning and Works
	2. Mr. Prem Kumar Singh, Mechanical Engineer, Transport Management Office, Bagmati
Pakistan	1. Kh. Nazir Ahmed, CCM/Freight, Ministry of Railways, Railway Board
	2. Mr. Nadeem Hussain Malik, Deputy Director (Design), NHA
Sri Lanka	1. Mr. H.M.K.G.G. Bandara, Deputy Director, Road Development Authority
	2. Mr. Nihal Chandrasiri, Planning Assistant, M/O Transport, Highways & Civil Aviation

***Annexure - III***

## **Welcome Address**

NATIONAL TRANSPORT RESEARCH CENTRE (NTRC)

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**SAARC TRANSPORT PROJECT PLANNING COURSE**  
**31<sup>ST</sup> MARCH - 5<sup>TH</sup> APRIL, 2003, ISLAMABAD**

**WELCOME ADDRESS BY CHIEF, NTRC**

- Honourable Secretary Communications
- Excellencies
- Course Participants from SAARC member countries
- Distinguished Guests
- Ladies & Gentlemen

It gives me great pleasure to welcome all of you at the inaugural session of the Transport Project Planning Course which has been organized by the National Transport Research Centre (NTRC), Ministry of Communications, Government of Pakistan for the SAARC Member Countries. I am particularly thankful to the SAARC Secretariat and the Government of Japan for their assistance to organize this course.

National Transport Research Centre is devoted to carrying out applied research in various modes of transport. Apart from its research endeavors, the Centre also provides professional training in Transport Project Planning both at the national and regional level. In the past, it has successfully organized a series of Transport Project Planning Courses, first with the help of the Economic Development Institute of the World Bank and then on its own. These courses had a positive impact on the quality of project preparation and appraisal.

As we all know, South Asia has approximately 20% of the world population and is still experiencing the highest growth rate. Another significant phenomenon is the shift in the spatial distribution of population with rapid urbanization. This has far reaching implications on infrastructure

development particularly relating to Transport. The growing population alongwith urbanization creates problems in meeting the demand for infrastructure facilities. Improved mobility offered by transport infrastructure helps in better spatial dispersal of population and also more efficient location of industry and leads to environmental preservation. Apart from the chronic scarcity of resources preventing the countries of the region from strengthening the required infrastructure of transport, there is also a shortage of skilled and experienced manpower in this sector.

Keeping in view all these factors, the present 6-day course on Transport Project Planning for the SAARC member countries has been arranged so that the participants can share their knowledge and take full advantage from one another's experiences in the field of transport planning. The course has been designed to cover major aspects on Roads, Road Transport, Transport Economics, Transport Planning, Environment, Air Transport, Railways and use of Information Technology in the Transport Sector.

I hope that this course will equip the participants to properly identify and plan the transport sector projects. The course will also help in proper utilization of limited resources of a country by providing vision to the engineers and planners to take into account various feasible options for the most cost effective solutions. It will thus help in bringing about qualitative improvement in the field of transport planning in the SAARC member countries.

In the end, I once again thank the SAARC Secretariat and the Government of Japan for providing assistance to organize this course.

I would also like to thank the Honorable Secretary, Ministry of Communications and all the guests for gracing the occasion with their presence.

Thank you



***Annexure - IV***

## **Inaugural Address**

Sec.

NATIONAL TRANSPORT RESEARCH CENTRE (NTRC)

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**SAARC TRANSPORT PROJECT PLANNING COURSE**  
**31<sup>ST</sup> MARCH - 5<sup>TH</sup> APRIL, 2003, ISLAMABAD**

**INAUGURAL ADDRESS BY SECRETARY COMMUNICATIONS**

- Excellencies
- Chief, NTRC
- Course Participants from SAARC Member Countries
- Distinguished Guests
- Ladies and Gentlemen

It is indeed a great pleasure for me to welcome you all at the inaugural session of the course on Transport Project Planning.

SAARC is a manifestation of the determination of the people of South Asia to cooperate regionally and to work together towards evolving solutions to their common problems in a spirit of friendship, trust, and understanding. It aims at building bridges among more than one billion people residing in the region through a network of joint projects in the areas of transport, communications, education, agriculture, health and other fields of mutual interest including sports and culture.

Pakistan has been a staunch supporter of regional cooperation in South Asia. It has always believed that the countries of the region share common objectives of economic development, social change and most importantly the modernization of transport system. Ever since its inception in 1985, Pakistan has been an active member of SAARC and has enthusiastically participated in all its activities. To promote socio-economic development of the region, one of the significant measures taken by SAARC has been to conduct training courses, workshops, seminars and symposia on various important subjects of mutual interest. Pakistan has made important and valuable contribution to this activity.

The subject of Transport Project Planning holds great significance for both the developed and developing countries. Transport links all sectors of development and serves as catalyst and primary factor for development. It is the key to social and economic uplift of the people as it facilitates mobility entailing increased opportunities for trade and interaction among different peoples and nations.

Whereas lack of transport is the major element impeding progress, provision of transport does not necessarily set off development. Some projects built on the assumption that development would automatically follow have led to costly disappointments to the detriment of other sectors. Besides, the

transport demand has to be worked out from the economic trends and objectives of development to be achieved. Knowledge of when, where and under what circumstances investment in Transport will make a positive contribution is the fundamental question for the transport expert.

I hope that all these aspects would be covered in this course and it will provide a valuable opportunity to the participants to share their knowledge on the subject.

In the end, I would like to reiterate that the subject of transport project planning deserves serious and regular consideration of the SAARC countries. I would like to thank the SAARC Secretariat and the Government of Japan for facilitating this course and hope that the participants from the SAARC member countries would thoroughly enjoy their stay in Islamabad.

I declare the course open.

Thank you

***Annexure - V***

## **Course Schedule**

## COURSE SCHEDULE

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SESSION "A"  
TEA BREAK  
SESSION "B"  
LUNCH BREAK  
SESSION "C"  
TEA BREAK

NATIONAL TRANSPORT RESEARCH CENTRE (NTRC)  
SAARC TRANSPORT PROJECT PLANNING COURSE  
(31-03-2003 TO 05-04-2003)

0900 - 1100  
1100 - 1130  
1130 - 1330  
1330 - 1430  
1430 - 1630  
1630 - 1700

SESSION	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
A 0900 - 1100	* Registration ** Inauguration	Cash Flow Concept Dr. S. Ghias-ul- Haq	Highway Design and Planning Mian Noor Mehmood	Cost Benefit Analysis of Transport Projects Dr Shamim A Sahibzada	04-04-2003	Air Transport Planning Mr. Abdul Waheed
B 1130 - 1330	Transport Project Planning Dr. Shamim A. Sahibzada	Environment and Energy Issues in Transport Dr. Sarwar Saqib	Introduction to Forecasting Techniques Dr. Eatjaz Ahmad	Information Technology in Transport Dr. Faiz Ishaq	Field Visit to Motorway (M-2)	Railway Planning Mr. Abdul Waheed
C 1430 - 1630	Economic Analysis of Transport Projects Dr. S. Ghias-ul- Haq	Cost Effective Roads for Developing Countries Dr. Shahab Khanzada	Role of Private Sector In Transport Dr. Zafar Iqbal Raja	Group <u>Discussion</u> Presentations		Certificate <u>Distribution</u> Farewell Lunch

\* 0900 - 1030

\*\* 1030 - 1100

***Annexure - VI***

**List of Topics, Speakers  
and Their Addresses**

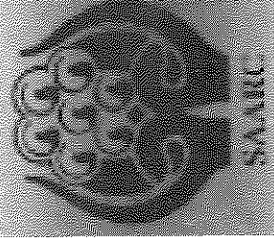
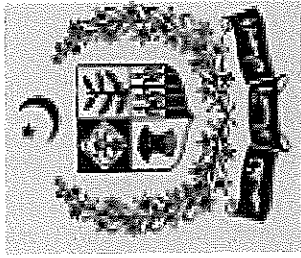
## LIST OF TOPICS, SPEAKERS & THEIR ADDRESSES

S.No	Topics	Name of Speakers	Address	Telephone No.
1.	i-Transport Project Planning ii-Cost Benefit Analysis of Transport Projects	Ms. Shamim A. Sahibzada	Joint Director Pakistan Institute of Development Economic, Quaid-e-Azam University Campus, Islamabad.	051-9216963 (Off)
2.	i-Economic Analysis of Transport Projects ii-Cash Flow Concept	Dr. S. Ghias-ul-Haq	Chief Instructor Economics, Civil Services Academy, Walton Campus, Lahore.	042-9220465 (Off) 042-92220460(Res)
3.	Environment and Energy Issues in Transport	Dr. Sarwar Saqib	Managing Director FERTS UNDP project, ENERCON, Islamabad.	051-9202574 (Off)
4.	Cost Effective Roads for Developing Countries	Dr. Shahab Khanzada	Pavement Specialist, National Highway Authority (NHA), Mauve Area, Islamabad.	051-9260568 (Off)
5.	Role of Private Sector in Transport	Dr. Zafar Iqbal Raja	Visiting Professor NUST, House No.40, Askari Villas, Chaklala Scheme No.III, Rawalpindi.	051-5505827 (Res) 0300-8557663
6.	Highway Design and Planning	Mian Noor Mehmood	Geometric Expert, National Highway Authority (NHA), Mauve Area, Islamabad	051-9261057 (Off)
7.	Introduction to Forecasting Techniques	Dr. Eatraz Ahmed	Professor & Chairman, Department of Economics, Quaid-e-Azam University, Islamabad.	051-9219845
8.	Information Technology in Transport	Dr. Faiz Ishaq	Chairman, Department of Computer Sciences, Comsats Institute of Information Technology, Plot 30, Sector H-8/1, Islamabad.	051-9258487 (Off)
9.	i- Railway Planning & operations ii- Air Transport Planning	Mr. Abdul Waheed	Deputy Chief, Transport & Communications Section, Planning Commission, Islamabad.	051-9202129 (Off)

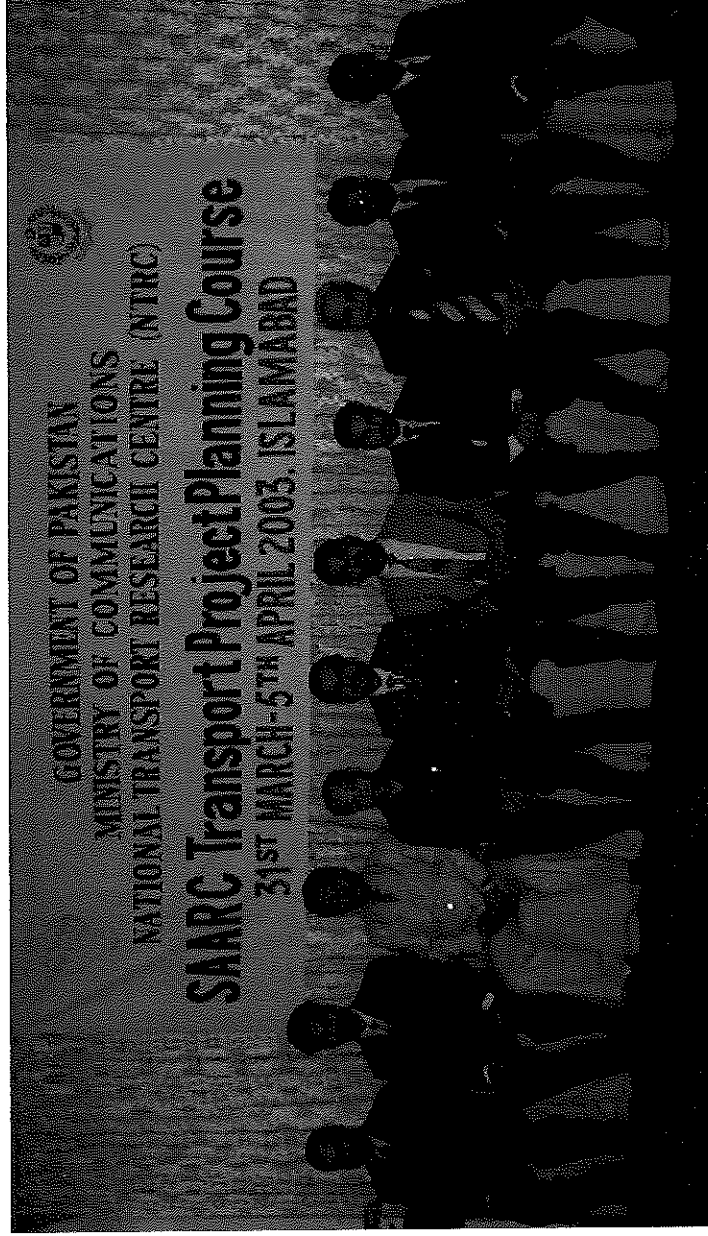


*Annexure - VII*

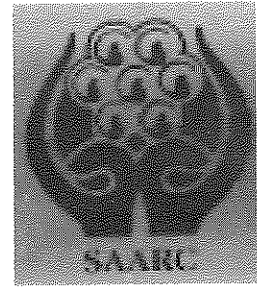
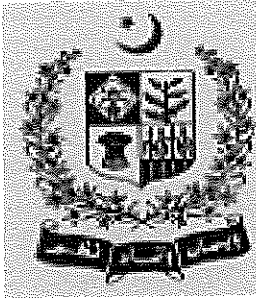
## Photographs



# GROUP PHOTOGRAPH OF THE PARTICIPANTS OF TRANSPORT PROJECT PLANNING COURSE



(L to R) Mr. Md.Abdus Salam (Bangladesh), Mr. Md.Makbul Hossain (Bangladesh), Mr. Sonam Gyeltshen (Bhutan), Mr. Phurba Tamang (Bhutan), Mr. Dhana Raj Sapkota (Nepal), Mr. Prem Kumar Singh (Nepal), Mr. Nadeem Hussain Malik (Pakistan), Mr. Khwaja Nazir Ahmad (Pakistan), Mr. H.M.K.G.G Bandara (Sri Lanka), Mr. G.R.Nihal Chandrasiri (Sri Lanka)



**Chief NTRC along with Course Coordinator, few Speakers & the participants.**

**Annexure - VIII**

**Media Coverage**

## Saarc course on transport planning to start on March 31

ISLAMABAD: The National Transport Research Centre (NTRC) is organising a six-day transport project planning course for member countries of the South Asian Association for Regional Cooperation (Saarc).

The course starting from March 31 will focus on improving the quality of planning and operational techniques of various transport agencies by imparting training to participants.

NTRC is a research organisation carrying out applied research in various modes of transport. Apart from its research endeavours, the Centre provides professional training in transport project planning and has organised nine such courses.

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

It consists of core lectures by eminent engineers and planners and would provide an opportunity to participants in discussion on specific issues and problems related to transport sector.

Each participant will be provided with a set of course material and on successful completion of the course, each participant will be awarded a certificate of attendance.

Topics covered in the course include roads, road transport,

transport economics, transport planning, environment, information technology, air transport and railways.

Some important elements in the improvement of transport system are identification, selection, planning and designing of projects for proper and timely execution.

The expertise in these areas needs to be developed and improved among engineers and planners for the judicious use of scarce resources in the most cost-effective manner and proper execution of projects.

Such a training would hopefully enable the participants to effectively contribute towards sustainable development and economic growth.

The course is limited to participants from Saarc member countries and each member country is invited to nominate two principal and two alternate candidates from their relevant public or private sector agencies.

As per criteria, the nominees must possess a university degree in transport related field and have at least five-year experience of working in transport related jobs.

Each participant will be required to present a country paper in his professional field and the principal candidates are expected to send copies of their country paper by fax or through e-mail at least one week before commencement of the course.

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The NEWS dated 21<sup>st</sup> March, 2003

## Communication links provide basis for uplift: official

ISLAMABAD: Regional cooperation in terms of enhanced communication links provide basis for socio-economic development in South Asia, said Secretary Communication, Iftikhar Rashid on Monday.

"Pakistan is a staunch supporter of regional cooperation and promoting communication links among SAARC states," he said, addressing the inaugural session of six-day SAARC Transport Project Planning Course organized by the National Transport Research Centre.

"Communication links are key to economic and social development in the South Asia," he added. The Secretary said, SAARC aims at building bridges among the people of South Asia through a network of joint projects in the areas of transport, communications, education, agriculture, health and other fields.

Transport links all sectors of development and serves as a catalyst for social and economic uplift as the south Asian countries share common goals of economic development, social change and modernization of transport system, Rashid observed.

Discussing SAARC, he said, "it is reflection of the determination of the South Asia people to work jointly towards evolving consensus and finding solutions to different problems."

He stressed, the Transport Project Planning holds great significance for the progress of developing world as it facilitates mobility and increases opportunities for trade and interaction among different nations. Earlier head of NTRC, Kazim Idrees briefed the participants about different activities of the research centre. — APP

**The NEWS dated 1<sup>st</sup> April, 2003**