



INTERNATIONAL TELECOMMUNICATION UNION  
TELECOMMUNICATION DEVELOPMENT BUREAU

WORLD TELECOMMUNICATION DEVELOPMENT  
CONFERENCE (WTDC-98)

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*For information*

Agenda item: 3.1

PLENARY MEETING

**Iran (Islamic Republic of)**

PROJECT PROPOSALS FOR WTDC-98

TYPE OF PROJECT - INTER-REGIONAL

- 1 **Title (name):** Videoconference
- 2 **Brief description:** By implementation of this project, a conference can be held with the attendants, from different cities whom have no obligation to leave their cities for this conference.
- 3 **Executing agency:** Deputy Managing Directorate of Development & Engineering.
- 4 **Potential donors:**
- 5 **Goals and targets:** To cover Tehran and centre of provinces by the end of second five years plan.
- 6 **Activities:** Planning, providing space, installation and implementation, operation and maintenance, providing service.
- 7 **Time schedule:** It has been prepared, but will be revised.
- 8 **Milestones:**
- 9 **Concerned parties:** Transmission system.
- 10 **Intended use of output:** Providing different halls nationwide, and effective usage of the halls equipped with training aids.
- 11 **Areas to be addressed:**
- 12 **Private sector involvement:** There is no need for the private sector.
- 13 **Cost estimate:**

TYPE OF PROJECT - NATIONAL

- 1 **Title (name):** Data
- 2 **Brief description:** This is a communication network for sending information in which the subscriber can have access to the several information centres (data banks) in the world via his/her computer at home or in his/her office.
- 3 **Executing agency:** Data communication Dept.
- 4 **Potential donors:**
- 5 **Goals and targets:** Nationwide coverage.
- 6 **Activities:** Purchasing and contracts, installation and implementation, operation and maintenance, marketing, service providing.
- 7 **Time schedule:** Has been prepared.
- 8 **Milestones:** Increasing system quality and higher speed, coordination and integration with the national communication network should be severely considered.
- 9 **Concerned parties:** Transmission system, power supply, PSTN.
- 10 **Intended use of output:** Connection to the world information networks, efficient usage of update information.
- 11 **Areas to be addressed:** To use system with high technique and higher speed, of course in coordination with the existing network.
- 12 **Private sector involvement:** In the future the private sector will be fruitful for establishment of databases.
- 13 **Cost estimate:**

TYPE OF PROJECT - NATIONAL

- 1 **Title (name):** Zohreh Independent Satellite.
- 2 **Brief description:** Zohreh Satellite has an essential role in providing strong, secure and fast communication. At this time, the international communication of most of the countries is being established via international satellite networks, e.g. INTELSAT, Intrasputnik (INTRASPOTNIQUE), Inmarsat. Zohreh Independent Satellite has two sections of space and terrestrial. The space section is related to satellite launching and the terrestrial section contains earth stations and rural stations.
- 3 **Executing agency:** Department of Planning Installation & commissioning of satellite communication.
- 4 **Potential donors:** Satellite section.
- 5 **Goals and targets:** To establish satellite communication in-country and outside the country.
- 6 **Activities:** To provide power supply equipment, to follow the progress of building construction and to install and commission the equipment.
- 7 **Time schedule:** First five years plan.
- 8 **Milestones:**
- 9 **Concerned parties:** Transmission, power supply.
- 10 **Intended use of output:** To transmit broadbands for interchanging the waves.
- 11 **Areas to be addressed:**
- 12 **Private sector involvement:** Now, the private sector is not involved, but in the future it is possible to give part of the work to the private sector.
- 13 **Cost estimate:**

TYPE OF PROJECT - NATIONAL

- 1 **Title (name):** Mobile Telephone
- 2 **Brief description:** Mobile telephone is a telephony system with mobility which provides two-way communication of the subscribers with all the other fixed or mobile telephone subscribers. In addition, it has several other features.
- 3 **Executing agency:** Project manager controlled by Managing Director of TCI.
- 4 **Potential donors:**
- 5 **Goals and targets:** Nationwide coverage including cities and roads.
- 6 **Activities:** Purchasing and procuring from inside and outside of the country, installation and implementation, operation and maintenance, providing services.
- 7 **Time schedule:** Has been prepared.
- 8 **Milestones:** The effect of this network on the transmission network including intercity and between switching centres, and forecasting the need for expansion of communication network in consequence of the expansion of this network.
- 9 **Concerned parties:** Transmission system, power supply.
- 10 **Intended use of output:** To decrease the load of PSTN.
- 11 **Areas to be addressed:**
- 12 **Private sector involvement:** At the present time there is no need for the private sector, but in the future the private sector as an operator can provide such a system into the national communication network.
- 13 **Cost estimate:**

TYPE OF PROJECT - INTRA-REGIONAL

- 1 **Title (name):** TMN
- 2 **Brief description:** TCI Telecommunication Network Management is going to be implemented in three sections of international, long distance and switch, and its task is to control, monitor and supervise the whole TCI network and provinces.
- 3 **Executing agency:** Directorate of Planning and Engineering.
- 4 **Potential donors:** Provinces and private sector.
- 5 **Goals and targets:** To establish control centres in provinces and consequently in Tehran to control instantly and to send commands to any part of the network.
- 6 **Activities:** Maintenance management, financial management, security management.
- 7 **Time schedule:** If God pleases, at the end of second five years plan.
- 8 **Milestones:** It is only applicable for SDH systems and old analogue systems and even PDH digital equipment cannot support TMN in two-way form and they can only send alarms. (Therefore, second five years radio project has an essential role for implementing this project.)
- 9 **Concerned parties:** Microwave stations, microwave maintenance centres, provinces, Tehran centre.
- 10 **Intended use of output:** To be informed of the national transmission network condition and to control and monitor it.
- 11 **Areas to be addressed:**
- 12 **Private sector involvement:** Executional work (installation) will be given to the private sector.
- 13 **Cost estimate:**

TYPE OF PROJECT - NATIONAL

- 1 **Title (name):** TAE (inside the country).
- 2 **Brief description:** This project will connect the ancient country, China, to the European countries via optical cable and passes through Iran via two routes, one is the main route and the other as the restoration route. (It begins from bajgiran border and ends in Bazargan.)
- 3 **Executing agency:** TCI.
- 4 **Potential donors:** Provinces and private sector.
- 5 **Goals and targets:** a) To connect and to provide digital communication with high quality of voice, data and facsimile, between member countries. b) Developing economical, political and cultural relations between Asian and European countries. c) Establishment of a basic communication plan in order to fulfil the high capacity traffic needs.
- 6 **Activities:** Providing construction for installation of line and mux equipment, radio (providing line and mux equipment, radio, duct and buried cable, cable joints, fibre), duct preparation, cabling, jointing, installation and commissioning of line and mux and radio equipment, providing power supply, providing and installation of towers for radio stations.
- 7 **Time schedule:** According to the schedule, the cabling of the main route should have been completed by the year 1975 and installation and commissioning of the line and mux equipment should have been done from 15/01/76 until 31/02/76, but it has been delayed due to the clearing of the equipment from customs and also the delay in cabling. Also, installation and commissioning of the radio equipment had been scheduled to be done from 15/01/76 until 31/02/76 for the restoration route, but due to the customs clearance difficulties it (stand-by route) has not been done yet.
- 8 **Milestones:** Due to the importance of the project internationally and the deadline of the final test and acceptance on 09/08/76, prompt action shall be taken to solve the problems.
- 9 **Concerned parties:** All the member countries of the projects (Germany, Azerbaijan, Armenia, Uzbekistan, Afghanistan, Ukraine, Turkey, Turkmenistan, Tajikistan, Austria, China, Georgia, Kazakstan, Romania, Kyrgyzstan, Poland, Hungary, Russia, Pakistan).
- 10 **Intended use of output:** 1) Connecting and providing communication inside the country with superhigh quality of voice, data, etc. 2) In the second five years plan all the SCs should be connected to each other via fibre cable.  
The implementation of this project will cause the connection of four SCs.
- 11 **Areas to be addressed:** In addition to the connection of 20 member countries, Iran will benefit from the other international submarine fibre cable projects to connect to the other countries. Meanwhile, using the communication networks of the northern countries, Iran and Europe can be connected to the Persian Gulf regional countries.
- 12 **Private sector involvement:** There have been different contracts for cabling with the contractors, e.g. (omran- e- Zanzan, Zebrodan, Banhang- Mashad afra- Ertebat and Enteghal- control-e-ghodrat).
- 13 **Cost estimate:** Only for buried cable RLS 8 574 000 000 has been forecast.

TYPE OF PROJECT - NATIONAL - INTRA-REGIONAL - INTER-REGIONAL

- 1 **Title (name):** Trial ATM node
  - 2 **Brief description:** TCI intends to have a trial ATM node to investigate the potential demands of special users.
  - 3 **Executing agency:** Telecommunication Company of Iran (TCI).
  - 4 **Potential donors:** Will be met fully by internal resources.
  - 5 **Goals and targets:** To provide the customers flexibility in configuring their global communication requirements.
  - 6 **Activities:**
  - 7 **Time schedule:** End of year 2000.
  - 8 **Milestones:** The project is under feasible study.
  - 9 **Concerned parties:** Iran Telecommunication Research Centre.
  - 10 **Intended use of output:** National multimedia, ISDN and value-added services.
  - 11 **Areas to be addressed:**
  - 12 **Private sector involvement:**
  - 13 **Cost estimate:** \$ 500 000
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