

附属資料X イスタンブール工科大学土木工学科関係
研究論文リスト

SOME OF THE PUBLICATIONS OF THE MEMBERS OF
CIVIL ENGINEERING FACULTY
ON EARTHQUAKE ENGINEERING

Prof.Dr.Rıfat Yarar

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付属資料 XI 強震観測関係質問書

Questions regarding "Project"

—Answers in any of written form are requested—

[A] On Earthquake Research Institute (Department)

1. Principal objectives, roles and functions in ordinary and emergency situations
2. Organization details in governmental body* with history, personnel, and major facilities inclusive of annual and regular budgetal size
*relation to central, regional and local governments
3. Key staffs, their professional careers with publication lists and/or descriptions of post experience for long-term (prior) and short-term (post and immediate) response activities for earthquake protections
4. Exemplification of emergency response activities for recent significant earthquakes
5. Exemplification of publicity and/or organizing activities for earthquake disaster preventions
6. Any of special activities in parallel with IDNDR programs. Any of regarded addition of staffs and budget
7. On-going collaboration projects with other institutions and universities. Dissimilarity of roles and functions among institutions
8. International cooperation activities in emergency case of neighbouring earthquake countries

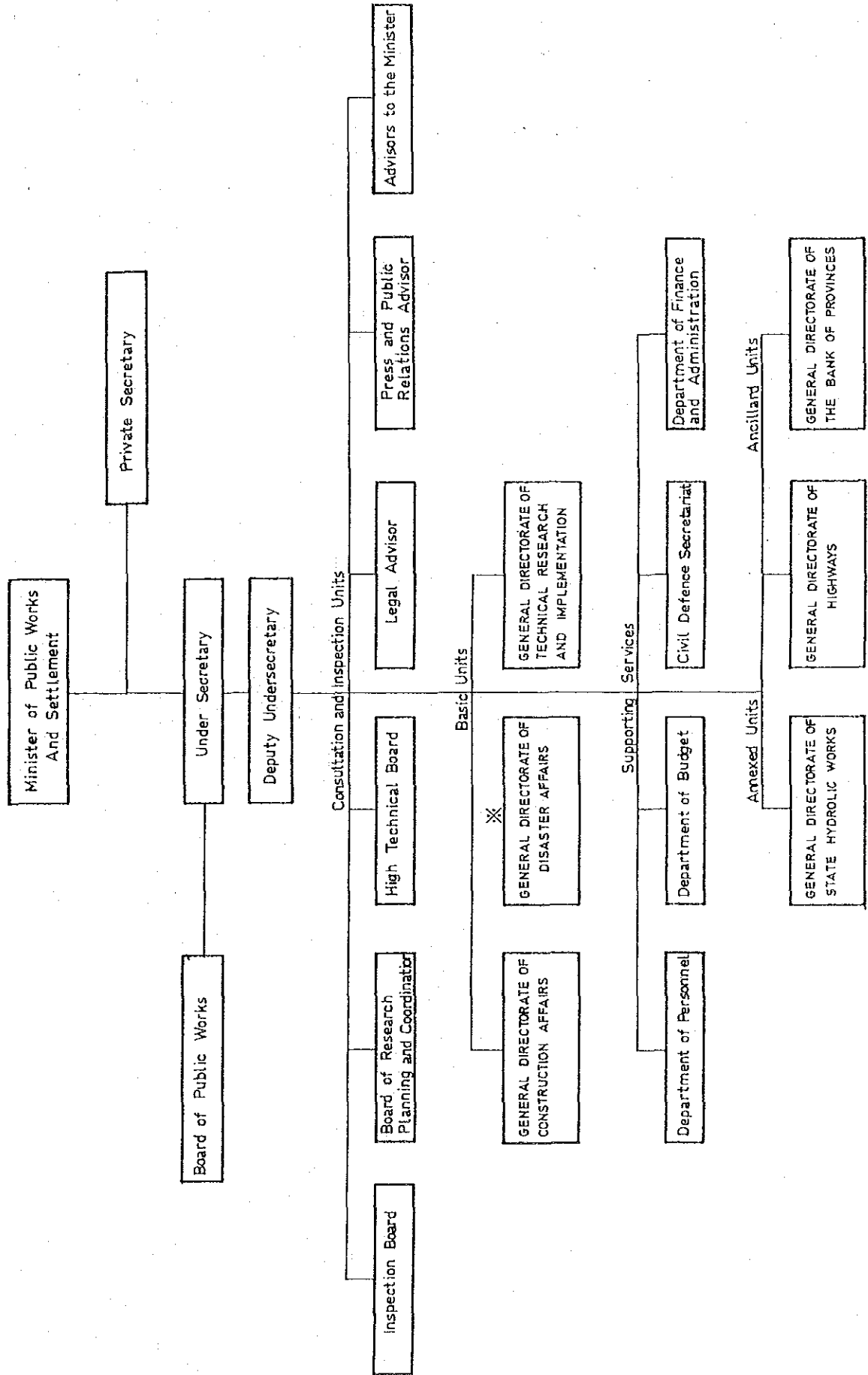
[B] On "Immediate Earthquake Information" Sub-center

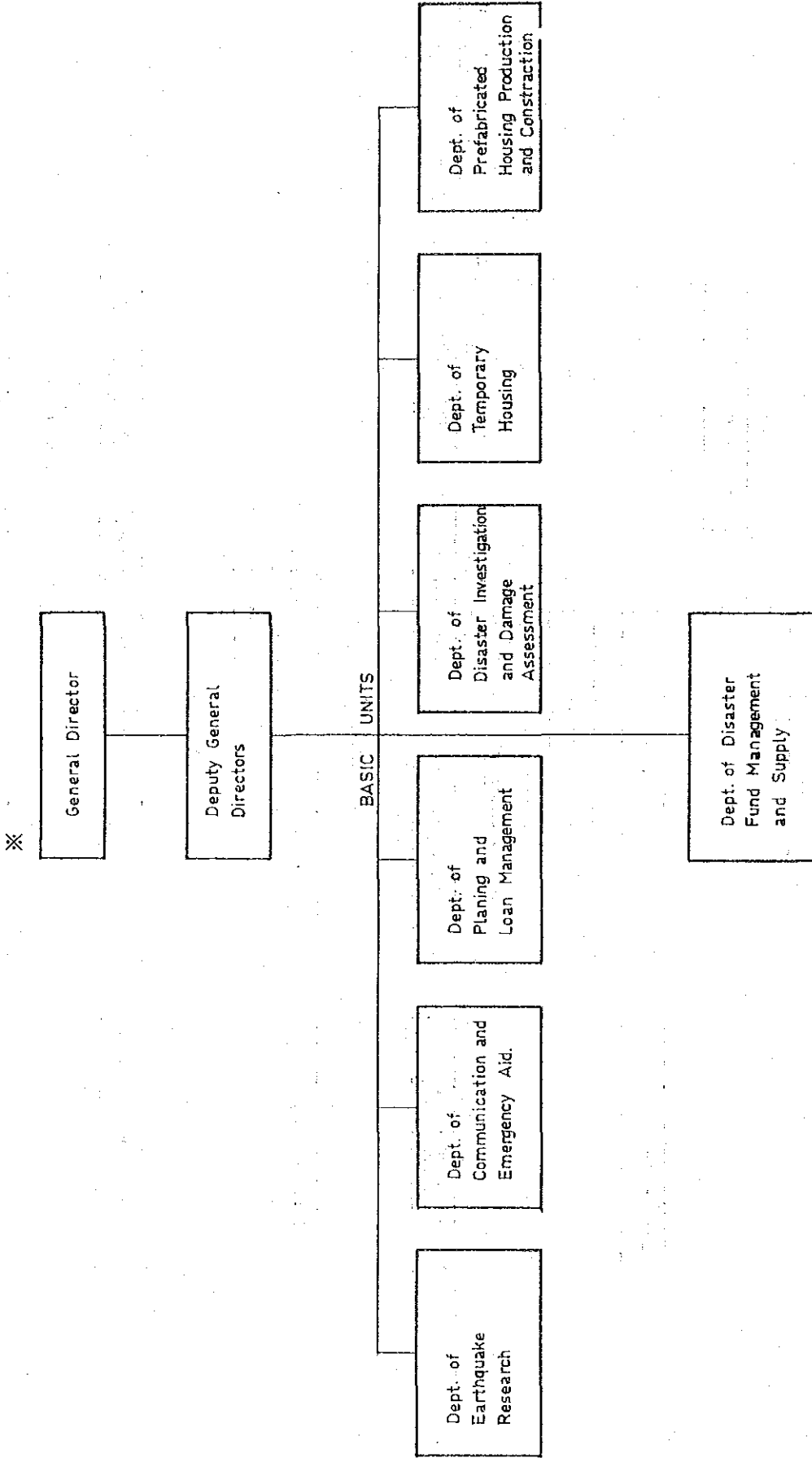
1. Candidate name of sub-center as revised one
2. Demand and major objectives of establishing such a sub-center
 - 1) Necessity in consideration of earthquake damage characteristics in Turkey
 - 2) Short and long term objectives
 - 3) Outline of probable sub-center activities
3. Framework of the principal system to initiate and to develop sub-center activities
 - 1) Block diagram and major components
 - 2) Covered range of earthquake inputs in terms of Magnitude and Acceleration
 - 3) Candidate pilot test area, number and locations of local, regional and central stations
 - 4) Schemes of probable processing
4. Expectation to the cooperation by JICA

- 1) Hardware components : item, spec, number etc
- 2) Software components :
- 3) Experts : field, number, term (short and long)
- 4) Trainees to japan : ditto
- 5 . Coverage by domestic efforts
 - 1) Spatial and associated facilities for each of stations
 - 2) Man power (number and kinds of staffs) to be dedicated to the sub-center
 - 3) Others, if any
- 6 . Potentialities for developing sub-center activities
 - 1) Prior experience of constructing and operating seismic networks.
 - 2) Any of routine observation of earthquake strong motions and of data processings
 - 3) Others, if any
- 7 . Contribution capability To
 - 1) Training and education sub-center activities
 - 2) ITU earthquake engineering laboratory sub-center
- 8 . Any of other regarded information

付属資料Ⅱ 公共事業住宅省組織図

MINISTRY OF PUBLIC WORKS AND SETTLEMENT





Duties and Responsibilities of the General Directorate of Disaster Affairs

- a) Research and development of measures; determination of basic needs, aims and policies for the prevention and mitigation of disasters; coordination, orientation and support of technical, scientific and administrative activities; transformation of results of research and development to the practice by the way of regulations, rules, instructions, education and inspection of the practices.
- b) Development of national and international projects and programs for the mitigation of disaster losses; representation of Turkey in these projects and transformation of the project results to the practice.
- c) Determination and declaration of the regions already effected or to be effected by disasters; to prepare or to have it prepared the rules and technics and principles of design of structures to be built in the disaster areas.
- d) Emergency assistance and coordination in case of disaster occurrence.
- e) Technical investigation, site selection and damage evaluation in the disaster stricken areas or in areas where disasters may occur. Taking and implementation of necessary short and long term measures in disaster areas for the settlement and accomodation of the people; establishment of regional centers, and production and storage of prefabricated structural elements for the accomodation of people.
- f) Investigation for, mapping and preliminary design of, and preparation of requirement programs for the infrastructure of permanent housing areas related to the disasters.
- g) Research for the minimization of earthquake losses, investigation of the earthquakes and their effects; and on these earthquake data preparation and improvement of earthquake catalogues and earthquake hazard maps of Turkey. determination of measures, construction technics and design principles for the structures to be built in the earthquake zones; development of methods of repair and strengthening of buildings damaged by earthquakes.
- h) Development of the Turkish seismological and strong ground motion network for the complete coverage of the country; maintenance and repair of the present networks and development of equipment used by the networks. Establishment of a national data center for the processing all kinds of earthquake data, and a standart earthquake database for the use of concerned authorities.

i) Establishment and instrumentation of pilot areas for earthquake prediction, coordination and support of activities of universities and other public organisations involved in the earthquake prediction, establishment of early warning and alarm systems or to participate in regional and international networks established for similar purposes.

j) Administration of funds related to disasters and to take measures to improve the revenues of such funds.

k) To execute other tasks assigned by the Ministry.

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