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PROGRAMME OF WORK AND PRIORITIES
FOR 1976-1977

(Item 8 of the Provisional Agenda)

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ABBREVIATIONS

FAO	Food and Agriculture Organization of the United Nations
ILO	International Labour Organization
ITC	UNCTAD/GATT International Trade Centre
UNCTAD	United Nations Conference on Trade and Development
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFPA	United Nations Fund for Population Activities
UNICEF	United Nations Children's Fund
UNIDO	United Nations Industrial Development Organization
RB	Regular Budget
XB	Extra-Budgetary sources

INTRODUCTION

At the first session of the Commission, held in Beirut in June 1974, the Executive Secretary indicated his intention to submit, in due course, a draft plan and programme for 1976-1977, developed in the same priority areas as those adopted by the Commission for 1975. He also requested guidance in this connexion from the members of the Commission.

In the light of the directives given by the Commission at its first session and subsequent discussions and consultations with member governments and the relevant UN bodies, the format and substance of the programme of work and priorities 1976-1977 have been carefully scrutinized and revised. The main objectives of the proposed programme are to:

- i) Develop a cohesive, multidisciplinary and action-oriented programme for ECWA representing an integrated approach to the region's development problems;
- ii) Carefully select programmes and projects which are mutually reinforcing and have maximum impact on the development of the region; and,
- iii) Ensure that specific activities lead to concrete results and directly relate to the relevant programme components and to the programme as a whole.

The general objective assigned to ECWA, namely, to foster "economic reconstruction and development in Western Asia", can be achieved by the extension of ECWA services at both the country and regional levels. The twelve Member States will, no doubt, wish to receive assistance from ECWA in areas of their needs over and above that provided under other U.N. programmes. This type of assistance, based on specific needs, may be especially relevant to the circumstances of the least developed among the countries of the region. There are, of course, many development problems that can best be tackled by a regional approach. The Commission will, no doubt, wish to strike a balance between national and regional activities and give the Executive Secretary sufficient indication of the relative emphasis it wishes to place on these two types of ECWA services.

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In the preparation of this programme, the Executive Secretary has followed the basic directives and decisions of the Economic and Social Council and the General Assembly, as well as the recommendations of the Advisory Committee on Administrative and Budgetary Questions, regarding concentration, co-ordination, decentralization, programmes of work and priorities, pattern of conferences and related questions, and control and limitation of documentation. Every attempt has been made to ensure that the programme of work constitutes an effective regional contribution towards the implementation of the Programme of Action on the Establishment of a New International Economic Order as envisaged in General Assembly resolutions 3201 (S-VI) and 3202 (S-VI).

The Economic Commission for Western Asia has received a broad mandate spelt out in resolution 1818 (LV) of 10 August 1973 by the Economic and Social Council. Within the limits of this mandate, the Commission has to develop a work programme based on the needs of the member states at the present stage of their economic and social development. This was fully considered in the preparation of the 1976-1977 programme within manpower and budgetary constraints.

The Executive Secretary is of the opinion that ECWA should be highly selective in choosing its areas of activity and should concentrate on a few selected topics, rather than attempt to deal with a wide range of development issues. Consequently, with respect to studies, the proposals for the 1976-1977 programme and for the medium-term plan (1976-1979) are deliberately limited to selected fields where it is felt that a multidisciplinary approach may lead to concrete results within a reasonable time-span.

Council resolution 1818 (LV) emphasizes the necessity for ECWA to co-ordinate and to avoid any overlapping with activities undertaken by the specialized agencies or with the United Nations Development Programme. Accordingly, the Executive Secretary is to maintain any close liaison with all United Nations organs as well as with intergovernmental and regional organizations. ECWA has made substantial progress in co-ordinating its work programme with the Arab Funds, the Council of Arab Economic Unity, the League of Arab States and the Arab Labour Organization to avoid overlap and maximize the benefits from existing complementarities in the respective fields of concern.

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While it may be desirable to have a firm programme, unforeseen factors sometimes make it necessary to alter or abandon certain projects, or to reorder their priorities. The Commission, may wish to leave it to the discretion of the Executive Secretary to modify or defer projects, or to establish different priorities within the framework of the approved work programme, should he deem it necessary.

1. AGRICULTURE, FORESTRY AND FISHERIES

1.1 Overall management, including the provision of supporting services

Expected completion date : Continuing

Description: The need for this activity is self-explanatory if the budget and plan objectives are to be attained. This activity would comprise:

- the daily management of the programme, including the detailed programming of future activities and programme evaluation;
- the preparation of reports to ECOSOC and to FAO regional governing bodies, particularly the Near East Agricultural Planning Commission and the Regional Conference;
- the preparation of documents for, and servicing of, the subsidiary organs of the Commission;
- the finalization of studies for publication;
- participation in various technical meetings and conferences;
- supporting services, which would include participation in FAO, WFP and IBRD field and evaluation missions, at the request of the organization concerned; backstopping of experts in the field, substantive support to technical assistance projects; advisory services and assistance in agricultural planning to Governments, at their request, and the provision of various inputs into inter-disciplinary activities of other ECWA programmes.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>Total</u>
Professionals m/m	-	24	24
General Service m/m	12	12	24
Travel		\$8,000	\$8,000

1.2 Sector review and appraisal

Expected completion date : Continuing

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Description: This activity would consist of keeping abreast with, and reporting on, developments in agriculture, fisheries and forestry in the various countries of the region. It would involve the compilation, processing and dissemination of statistical data, including the construction of adequate indicators, on developments in agriculture and fisheries and the review of annual developments in agriculture, fisheries and forestry (in April of each year) including in 1977 (second quarter) a contribution to the reporting on review and appraisal of progress in agricultural development and agricultural planning performance in fulfilling the UN Second Development Decade targets. This activity would also feed in the FAO State of Food and Agriculture and the annual ECWA survey on the economic and social situation in the region. (A/RES/2626(XXV)).

Purpose: monitoring of agricultural development in the region, with particular stress on performance in relation to plans.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>Total</u>
Professionals m/m	24	-	24
General Service m/m	12		12
Travel	\$15,000		\$15,000

1.3 Agricultural sector studies

Expected completion date : Continuing

Description: This activity would consist of the preparation of sector studies (national, regional) which would identify the most important development policies having an influence on agricultural development. These policies would be analyzed in depth and a critical assessment made of their impact on such objectives as rural welfare, agricultural employment, income distribution, conservation of natural resources, etc. An authoritative analysis would be extremely useful for clarifying concepts, identifying possible conflicts among policies and objectives and providing the basis for needed adjustments at national and regional levels. It would also lead to a better formulation of country and regional development programmes and policies and eventually to the identification and formulation of concrete projects.

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The agricultural sector studies would also provide a broad long-term outlook and discuss various policy alternatives for agricultural development in the country concerned. In 1976, sector studies would be conducted for Yemen and Democratic Yemen and, in 1977, for Saudi Arabia, Kuwait, the United Arab Emirates, Bahrain and Qatar.

Purpose: to provide direct assistance to member Governments in agricultural development planning. These studies also constitute an essential pre-requisite for agricultural perspective planning by delineating the demands put on the agricultural sector by the rest of the economy.

Publication of reports: one in the third quarter of 1976, one in the first and third quarters of 1977 and one in the first quarter of 1978. (Arabic/English).

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>Total</u>
Professionals m/m	24		24
General Service	12		12
Travel	\$4,000		\$4,000

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1.4 Agricultural Planning
Course

Expected completion date: December 1979

Description: This activity would consist of the substantive and administrative preparation of a two-week agricultural planning course to be held in the fourth quarter of 1976 and 1977, specifically addressed to the less developed among the developing countries of the region. The first course would centre on the general and basic techniques of agricultural planning, whereas the second course would be concerned with project preparation and analysis. Preparation of lecture notes and country case studies would be required. After each course, an evaluation report would be prepared, with a view to improving the next course and tailoring it more to the needs and requirements of the countries concerned.

Purpose: to improve the planning capacities in the less developed among the developing countries of the region.

	RB	XB	TOTAL
<u>Resources required:</u> Professional	6	mm	6
Travel	-	\$ 5,000	\$ 5,000
General Service	6		6

1.5 Regional agricultural adjustment issues and plan
harmonization

Expected completion date: December 1977

Description: This activity would involve an in-depth analysis of the medium and long-term agricultural development plans of various countries in the region. An intercountry analysis should pinpoint major areas where adjustment would be needed in the form of plan harmonization. It would also entail in-depth analysis of the future demand requirements for agricultural products and the production potentials (data to be provided by FAO) to identify the scope for regional adjustments and to assess their impact on agricultural trade. Findings, views and experiences would be discussed by an ECWA/FAO sponsored intergovernmental meeting on agricultural adjustment and plan harmonization to be held in late 1977.

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Purpose: to identify possible areas for agricultural adjustment and promote agricultural plan harmonization.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
		-	30
<u>Resources required:</u> Professional	30 man-months	-	
General service	24 man-months	-	24
Travel	\$2,000	-	\$2,000

1.6 Schemes for multinational co-operation and studies for regional integration

Expected completion date: Reserve stocks for foodgrains: December 1976.
Studies of comparative advantages: December 1976.

Description: a) Schemes for multinational co-operation would involve joint efforts at the sub-regional or regional level to achieve targets of common interest. A first pilot scheme would consist of a food grains reserve stock programme, which is to be a basic and major element in the elaboration of a national and regional food security policy. Various factors are in favour of such a programme, e.g., the sharp fluctuations in annual output, the large-scale imports by many countries in the region, the severe oscillation in world prices, etc. Under this activity certain aspects of the pilot scheme would be studied, namely, the centralization of purchases, the establishment of reserve stocks, the management and organizational problems in operating such stocks, the cost and location of the storage facilities and the investment requirements for establishing the storages. The study findings would be discussed at an ECWA/FAO sponsored inter-governmental meeting to be held in November/December 1976.

b) Regional integration is a long process requiring sustained efforts and research. Product specialization and regional complementarities should be based on sound studies of comparative advantage. A study on selected commodities (livestock products, industrial crops, selected fruits and vegetables) is planned for certain parts of the region. The study will focus on the collection and analysis of cost of production data and selected analysis as a basis for assessing inter-country comparative advantage. A comprehensive pilot study for one or two commodities will be initiated with a view to determining the scope for, and limitations of, product specialization and regional complementarities. Co-operation with the CAEU is necessary.

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Purpose: This activity should lead to foster co-operation in, and integration of, agriculture in the region.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	30 man/months	18 man/months	48
General Service	18 man/months	12 man/months	30
Consultants	2 man/months	3 man/months	5
Travel	\$3,000	\$3,000	\$6,000
Computer time	\$500	-	\$500

1.7 Implementation of land and water development projects

Expected completion date: December 1979; intermediate target: December 1977

Description: Land and water development projects assume high priority in the agricultural development plans of the Region. However, the rates of implementation are relatively low and little is known about the factors accounting for poor performance. A case study will be undertaken on one or more irrigation projects in the Region to examine in depth the factors hampering the implementation capacity. The application of network planning or systems analysis to the case studies will be demonstrated in a seminar in September 1977. A report on the case studies will be ready in the second quarter of 1977.

Purpose: More efficient implementation of projects will lead to better conservation and rational development of land and water resources.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional	12 man/months	18 man/months	30
Consultants	3 man/months	3 man/months	6
Travel	\$2,000	\$2,000	\$4,000
General Service	18 man/months	-	18

1.8 Promotion of national and multi-national investment in agriculture

Expected completion date: December 1979, interim target: December 1977

Description: This activity is intended to explore key areas, given a high potential rating, for attracting national and, more particularly, multinational investment in agriculture. The exploration would be in the form of general situation analysis, demonstrating investment possibilities and presumably leading to pre-investment feasibility studies by prospective multi-national investors. Three of the following key areas would be covered in the biennium:-

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- (a) Integrated dry-farming: the medium rainfall areas of the region are generally earmarked to crops production activities, e.g. winter cereals and tobacco. They are rarely combined with livestock production activities through a rotation comprising fodder crops. With the rising demand for (and short supply of) livestock products this shift in strategy offers significant opportunities in agricultural investment.
- (b) Sheep fattening: Mutton production in the region is mainly based on sheep grazing in low rainfall areas. Present practices result in great losses due to overslaughtering in dry seasons. The significance of these losses is accentuated by the expected surge in mutton prices. Indeed, the preliminary estimates of the World Food Conference give a deficit of mutton of 1.5 million tons in 1985. Investment in sheep fattening operations should yield high returns.
- (c) Integrated fruit and vegetable production for urban consumption: rising urban population and incomes have caused sharp increases in urban demand for fruits and vegetables. Very often supplies are shipped from distant production areas, thereby leading to high cost and deterioration in quality. The development of supply sources in urban peripheries represents a potentially important investment area.
- (d) Fisheries development in the Arabian Gulf, the Gulf of Oman and the Gulf of Aden. The waters bordering the countries of the southern tier of the region are known to be wealthy fishery grounds. However, fishing is generally only little developed and takes place according to traditional methods. Investment in fisheries development should provide excellent returns, particularly that the market for fish in the region is still to be developed. Reports will be made available to interested parties in December 1976, July 1977 and December 1977.

Purpose: Promotion of direct investment in agricultural development.

Resources required:

Professionals	18 man/months	36 man/months	54
General Service	24 man/months	24 man/months	48
Consultants	3 man/months	4 man/months	7
Travel	\$3,500	\$5,000	\$8,500

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1.9 Rural exodus and rural development

Expected completion date: December 1979: intermediate target: December 1977

- Description:
- a) short-term missions to advise on the application of the integrated development strategy and the promotion of workshops to be organized by the national authorities with the assistance of ECWA in clarifying concepts and methodology and in encouraging co-ordination between the central level and the field level in the application of the approach.
 - b) long term programmes on rural development and the need to tackle aggressively the problems of rural poverty have been advocated by leading planners and policy-makers. A pilot study is intended for the 1976-1977 biennium which would have a survey component to be repeated every two years (in some countries assistance in surveying may suffice). This study would assess the magnitude of urban migration in selected countries and the nature and scope of selected "push" and "pull" factors accounting for it. It would also explore ways and means of integrating the rural sector with the urban sector. In this connexion, particularly attention would be paid to agro-industrialization problems. Interim reports will be prepared at the end of 1976 and 1977.

Purpose: To accelerate the rate of rural development and reduce rural-urban inequalities.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u>			
Professionals	30 man/months	18 man/months	48
General Service	18 man/months	-	18
Consultants	-	6 man/months	6
Travel	\$4,000	\$2,000	\$6,000
Computer time	\$750	-	\$750
			/...

1.10 Type of meeting(s) : Ad-hoc meeting.
Year : 1976
Title : ECWA/FAO Intergovernmental meeting on regional co-operation in the constitution of reserve stocks for foodgrains.
Place : Beirut
Duration : five working days.
Type and number of participants : Senior government officials of the Ministries of Economy and Agriculture; experts from regional and international organizations; 30, of which 24 from member countries.

Justification: This meeting would provide an opportunity to exchange views and experiences with regard to the establishment of a scheme for food grains reserve stocks. The meeting would lead to bringing about the necessary collective endorsement and action to undertake pre-investment feasibility studies and later implement such a scheme of regional economic co-operation in agriculture, involving joint ventures. The meeting should highlight the scope for, and issue and limitations of, such co-operation and consider measures for the harmonization of action in the field of food security, particularly with regard to food grains, on the basis of the report submitted by ECWA and other reports and related information submitted by FAO.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated cost:	\$4,000	-	\$4,000

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2. Natural Resources, Science and Technology

2.1 Energy

2.2 Mineral Resources

2.3 Water

2.4 Science and Technology

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2.1 ENERGY

2.1.1 Overall management of the natural resources programme, including the provision of supporting services.^{a/}

Expected completion date : Continuing

Description: The need for this activity is self-explanatory if the budget objectives of the programme are to be attained. This activity will service not only the energy component of the programme, but also the water and minerals components of the natural resources programme. The activity relates to:

1. The daily management of the programme, including detailed programming of future activities and programme evaluation.
2. The preparation of reports to ECOSOC to meet Council resolutions.
3. The preparation of documents for, and servicing of, the subsidiary organs of the Commission.
4. The finalization of studies or other documents for publication.
5. Participation in various meetings.
6. The provision of supporting services which includes back-stopping of experts in the field; substantive support to, and, eventually, supervision of technical assistance projects; and, advisory services and assistance to Governments and regional organizations, at their request.

Resources required	RB	XB	Total
Professional m/m	24	-	24
General Service m/m	12	-	12
Travel	\$5,000	-	\$ 5,000

^{a/} This activity caters for the management requirements of the three programme components of the Natural Resources programme, namely, water, minerals and energy, since in ECWA's organizational structure they are part of the same Division (Natural Resources, Science and Technology).

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2.1.2 Basic energy statistics and review of developments
in the energy and oil sector

Expected completion date: December 1976. New activity, annual follow-up of 6 man-months necessary

Description: The activity consists of the collection, processing and dissemination of basic energy statistics and other data on the countries of the region for the past five to ten years. Background information on the other regions of the world will also be collected and processed. The information will be presented in tabular and graphical form and will include energy supply and demand, total and breakdown by components; annual production statistics; cost of production; consumption of energy, total and breakdown into oil, gas, hydroelectric power, etc. together with the unit prices; oil reserves; annual discovery rate and the effort put into oil discovery; transportation of oil and gas by pipeline and tanker; annual investments in energy; energy development plans; etc. To collect this information a fact-finding regional survey will be undertaken through country visits with a view to collecting the information, pinpointing and identifying priorities and problem areas in energy development and discussing energy policies.

The statistical and other data will serve as an input to the annual (or bi-annual) review of developments in the energy sector in the region, including an analysis of energy development plans and indications of major policy changes. An annual (or bi-annual) publication The Energy Situation and Outlook in Western Asia will be issued. The publication will be directed to managers and energy specialists in the world, Government officials of the concerned ministries in the region, and interested individuals in e.g. university circles. The publication should provide guidance in policy-making in government and private business. Expected publication date: December 1976

The activity as a starting point, is essential in that it provides the basis for further activities in the field of energy. An annual follow-up of 6 man-months is provided, including the preparation of the publication.

<u>Resources required:</u>	Professionals	: 18 ^{RB} man-months	<u>XB</u>	<u>TOTAL</u>
	General Service	: 12 man-months	-	18
	Travel	: \$ 2,500	-	12
				\$2,500

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2.1.3. Medium and long-term supply and demand
Projections for energy

Expected completion date: December 1977.

Description: The economies of the oil producing countries depend heavily on the income from oil. The growth of demand for energy, and more particularly for oil, is a crucial factor in determining the income of these countries and the speed with which the reserves are depleted. This information is basic for the development of a rational approach for planning purposes.

The activity will consist of assessing the past trend and present demand and supply of energy, undertaking medium and long-term demand and supply projections for energy in all countries of the region and evaluating the policy implications of this outlook. The exercise will be limited to the countries of the region for the energy sector proper. However, for oil, consideration will be given to the global picture. Thus, particular attention will be paid in this exercise to collecting and analyzing information on projections of the demand for oil from the countries of the region by the other regions of the world. Wherever relevant, the co-operation of the Development Planning, Projections and Policies programme will be sought. An analytical study of the results of the supply-demand outlook for energy and oil will be published at the end of 1977. This study should assist Government officials responsible for energy development in the countries of the region and in other regions, managers, planners in the countries of the region, etc. This activity will also provide the basis for activities to be undertaken in the next biennium.

	<u>RB</u>	<u>KB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 12 man-months	-	12 mm
General Service	: 12 man-months	-	12 mm
Travel	: \$ 1,000	-	\$ 1,000
Consultant mm	1 man-month	-	1 mm

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2.1.4 Regional geological study specially oriented towards oil deposits and study of Arab oil reserves

Expected completion date: December 1977.

Description: The activity will provide information which is fundamental to get to understand the "basis" of the oil economy of the region and to assess its ultimate recoverable reserves. A considerable amount of information exists to allow a geological assessment to be made and a clear regional picture to emerge. It is also imperative to obtain as good an assessment as possible of the size of the dwindling reserves and to gain an understanding of the rate at which they will be depleted, and the time horizon available to plan for and to develop an alternative economic basis for the region.

The project will consist of two parts. First, the collection, analysis and correlation of information (maps, reports, etc.) concerning the oil geology of the region; and the presentation of this information in tabular and graphical form showing cross-sectional correlation between basis and the relationship of each reservoir to its surroundings. This study, of a technical nature, will require a total of 48 man-months of professionals and consultants. The study, including maps, will be published in December 1977. Second, to assess, on the basis of available information and of the results of the above study, the present proven reserves of the oil producing countries of the area; to estimate the ultimate reserves of the area; to establish production profiles for crude oil reserves of the area giving annual production reserves at the end of the year until the reserves are essentially depleted; and, to assess the policy implications for planning and developing an alternative economic basis in the region and to formulate a set of recommendations in this respect. This study, to be initiated in early 1977, will require a total of 12 man-months of professionals and consultants. The study will be published in the beginning of 1978.

The activity will assist Government officials responsible for energy and oil development and planners in the countries of the region in getting a better understanding of the region's oil economy and in taking policy decisions regarding oil reserves and long-term planning of the region's economy.

<u>Resources required:</u>	Professionals	: 36 ^{RB} man-months	^{XB} 12 mm	<u>TOTAL</u> 48 mm
	General Service	: 6 man-months	24 mm	30 mm
	Consultants	: -	12 mm	12 mm
	Travel	: -	\$ 12,000 /...	\$ 12,000

2.1.5 Support industries and services for oil
production and associated activities

Expected completion date: June 1979.

Description: The oil industry in the countries of the region still relies very heavily on the developed world in the conduct of its operation. Little, if any, supporting industries sprang up in the region to meet the challenges. The proposed study aims at studying the feasibility and ways and means of increasing the market share of local industries in supplying oil producing companies and at identifying other industries or services which are related to, or dependent upon, oil activity, for establishment in the area or in other countries of the developed or developing world under the form of joint venture.

In 1977, this study will be initiated by surveying the materials and services used by the oil industry and in associated activities in the region, and by determining the sources of supply of these materials and services. The study will be continued through June 1979. Visits will be made to selected countries of the region to collect the information, to clarify issues and to create awareness about the magnitude of the problem. The study will be conducted in close co-operation with, and, eventually, participation of the Industry programme. Also, the co-operation of UNIDO and IDCAS will be ensured.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 3 man-months	-	3mm
General service	: 6 man-months	-	6mm
Consultants	: 3 man-months	-	3mm
Travel	: \$ 2,000	-	\$ 2,000

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2.1.6 Regional distribution arrangements for electrical energy

Expected completion date: December 1978.

Description: This activity will ultimately lead to the elaboration of regional distribution arrangements for electrical energy. It aims at scrutinizing possibilities, evaluating the technical and economic feasibility, and promoting such arrangements through the exchange of information and experience.

The activities will be initiated in October 1977 by surveying the situation and collecting relevant statistics and information on the subject. In 1978 work will be intensified and the problem will be studied in depth and detail, with the help of a consultant for analyzing the technical problems.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals:	3 man-months	-	3mm
Travel	: \$ 500	-	\$500

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2.1.7 Assessment of technical manpower requirements and training facilities in energy in Western Asia

Expected completion date: December 1976.

Description: The rapid development of the energy sector in the Member States, along with the recent steps taken by the oil producing and oil exporting countries to increase their participation in the management of their energy and natural resources and the successful implementation of these new policies will be largely determined by the availability of sufficient personnel at all levels. The training of such personnel will require adequate facilities.

It is aimed at undertaking a systematic assessment of short and long-term trained manpower requirements and training facilities with a view to assisting in the strengthening of national training institutions and promoting co-operation among the countries both within and outside the region. The situation with regard to trained manpower and training facilities will be surveyed, manpower estimates and related analysis will be undertaken and policy implications will be derived. Possibilities for regional co-operation in this field will also be scrutinized. Country visits and missions to national, sub-regional and regional training institutions will be necessary with a view to evaluating their potential for broadening their scope or for introducing more specialized training.

A report on the subject will be published in December 1976 and distributed to responsible officers in the energy sector, directors of training institutions in the region and international and regional organizations concerned.

It is expected that this activity will lead to the improvement of training facilities for technical manpower in energy and to the adoption or strengthening of manpower planning in this field and enforcement of policies conducive to ensure the required technical manpower. This activity will be conducted in co-operation with the Manpower, Management and Employment programme at ECWA.

The implementation of projects on technical manpower and training facilities in energy, water and minerals will be closely co-ordinated.

<u>Resources required:</u>	Professionals	:	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
				12 mm	12 mm
	General service	:	-	12 mm	12 mm
	Consultants	:	-	3 mm	3 mm
	Travel	:	-	\$ 3,000	\$ 3,000

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2.1.8. Structure and functions of energy institutions in Western Asia

Expected completion date: December 1977.

Description: The Governments of the Member States, have, in recent years, gradually secured greater control over the development and management of their natural resources in general and energy resources in particular. The increasing participation of Governments in energy affairs has already led to the establishment of energy institutions such as national oil companies.

The activity will consist of a detailed analysis of the structure and functions of national energy institutions such as petroleum ministries, national oil companies and electricity authorities and of an evaluation of their performance. Areas where these institutions need strengthening will be identified and proposals for action will be elaborated; the establishment of national institutions for co-ordination in energy planning and policies will be encouraged and the exchange of experience at the regional level among these institutions will be promoted. At Governments' request, short-term problem-solving missions may be undertaken to solve problems in establishing or strengthening such institutions. The activity will be undertaken in close co-operation with the institutions concerned and with the UN Resources and Transport Division.

A report on the subject will be published in December 1977 and distributed to Government officials responsible for the development of the energy sector, managers of energy institutions, international and regional organizations concerned.

It is expected that this activity will lead to policy decisions concerning the establishment or strengthening of energy institutions and to increased co-ordination of energy policies at the national level and exchange of experience at the regional level.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	-	12 mm	12 mm
General Service :	-	12 mm	12 mm
Consultants :	-	3 mm	3 mm
Travel :	-	\$ 5,000	\$ 5,000

2.2 MINERAL RESOURCES

2.2.1 Survey of the situation pertaining to the development of mineral resources in the countries of the region

Expected completion date: First quarter of 1975; continuing activity.

Description: This is the first and basic activity of the mineral development programme. It is essentially an orientation and fact-collecting survey which will require a considerable amount of travel and discussion with the Government mining authorities of the member-states (to be initiated in January 1975). It is aimed at collecting all technical information on selected minerals with a view to analyzing the situation in the mineral sector; the basic information for establishing staff and equipment requirements in each country; and, the needs for the creation of a Regional Mineral Development Council will be investigated and recommendations for follow-up action will be elaborated and submitted to the Commission or one of its subsidiary organs. This activity will require continuous follow-up. A report on the survey will be prepared and ready for distribution in the first or second quarter of 1976.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>Total</u>
Professionals m/m	3	-	3
General service m/m	3	-	3
Travel	\$1,000		\$1,000

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2.2.2. Analysis of technical documentation and collection and processing of mineral economic information with regard to present and future supply and demand

Expected completion date: Second quarter of 1976. New activity (this activity will require, as of 1977, three man-months per year).

Description: The activity will mainly consist of the study, processing and evaluation of the technical reports, publications, maps and statistical data obtained through the situation survey. Statistical and technical information will be processed and grouped by commodity, member country and for the region as a whole.

The statistical data will supply information concerning e.g. shortage of mineral raw materials in the individual member countries and immediate supply possibilities within the region. The processing of the available technical documentation will avoid the danger of duplication of efforts, provide essential basic information concerning the mineral potential on a national and regional basis, locate selected areas for exploration, etc. Work will also be initiated, in co-operation with the Development Planning, Projections and Policies programmes of ECWA, on regional supply and demand projections for minerals, taking into account any work undertaken at the global level (as, for instance, by UNCTAD). The activity will require continuous follow-up and result in the publication of periodical, preferably biennial, reports on the mineral situation, problems and outlook. These reports will be addressed to government officials, regional organizations, and interested individuals.

<u>Resources required:</u>		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals :		12 mm	-	12 mm
General service :		6 mm	-	6 mm
Travel		-	-	-

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2.2.3 Short and long-term requirements for skilled manpower in
the mineral resources sector

Expected completion date: Second/third quarter of 1976.

Description: The activity aims at assessing the short and long-term staffing requirements for efficient operation of government services and institutions responsible for mineral development as well as the manpower needs in private and mixed sectors in all member countries e.g. for economic geologists; mining geophysicists (electromagnetism, induced polarization, electrical methods), geochemists and analytical chemists (in organic chemistry, trace elements techniques); medium level technicians. To know the situation of employment in the mineral sector, its composition in terms of skilled and non-skilled, expatriate and local personnel, etc. is of primary interest from the economic standpoint. The study is also expected to lead to the consideration of training requirements in the mineral sector. This activity will be coordinated with the Labour, Management and Employment programme of ECWA.

The analysis of skilled manpower requirements will substantially contribute to the evaluation of the current status of the institutions dealing with mineral resources, and will result in recommendations for follow-up action with a view to improving these institutions and strengthening training facilities. An ad hoc report will be addressed to the government authorities as well as the regional organizations concerned.

<u>Resources required:</u>		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	:	6 man-months	-	6 mm
General service	:	3 man-months	-	3 mm
Travel	:	\$ 1,000	-	\$ 1,000

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2.2.4

Appraisal of the existing mining codes and study of the current status of existing media to enforce the mineral legislation in the member countries

Expected completion date: Second quarter 1977.

Description: Action will consist of the thorough examination of the mining legislation in the member countries and the ways and means for enforcing the law, with emphasis on: (a) type of concessions for reconnaissance, exploration, exploitation; (b) fiscal policies followed in the exploitation (royalties), processing (concentration, refining and smelting) and marketing of minerals; (c) Government participation in mining enterprises; (d) obligations of the mining industries toward the Government with regard to the submittal of technical information and production data; (e) quality control in the mining process; (f) mining safety measures; and, (g) safeguard of environmental conditions.

This activity will lead to pinpointing weaknesses and shortcomings in the existing mining codes to exploiting the means to enforce the law.

A comprehensive evaluation report will be prepared on the existing mining laws and the application of these laws in the member countries. It will be prepared on a comparative basis and include specific recommendations for improvement of mining laws.

	<u>R.B</u>	<u>X.B.</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	15 man-months	-	15 mm
General service :	6 man-months	-	6 mm
Consultants :	-	4 mm	4 mm
Travel :	-	\$ 4,000	\$ 4,000

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2.2.5 Identification and promotion of investment in
mineral resources development

Expected completion date: The activity will be initiated in the third quarter of 1976 and completed in December 1979. Intermediate target: December 1977.

Description: This activity aims, in the first instance, at providing support with regard to the identification and promotion, in a broad sense, of investment in mineral resources development (projects in mineral exploration, mining and mineral processing to be financed by the Governments, regional organizations, bilateral assistance or UNDP funds). Background information will be obtained from basic documentation and intensive contacts with the national authorities and regional organizations dealing with mineral resources development will be arranged.

Action will consist of the provision of information and guidelines concerning the identification and selection of specific projects for mineral resources development and the establishment of priorities for follow-up action in the region. Activities will be highly selective and below are given some possible areas of concentration for study. Selection will be made on the basis of information and findings resulting from the activities undertaken in 1976-1977.

In the domain of mineral exploration, information and guidance may be provided to:

- (a) Establish favourable areas for regional exploration (stream sediment geochemistry, airborne or pedestrain radiometric prospection, airborne geophysics, photogeology);
- (b) Pinpoint favourable zones for detail prospection (geological mapping, ground and geophysical work, soil and rock geochemical surveys) in areas where the existence of mineral indications has been confirmed, or following specific geological concepts (e.g. stratiform mineralization);
- (c) Locate promising non-metallic or low-grade metallic occurrences which should be evaluated in terms of quality (grade) and volume (tonnage) through sampling by diamond drilling and/or trenching; and,

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(d) Delineate favourable areas for off-shore exploration.

Follow-up operations would normally imply feasibility study and, eventually, implementation of large-scale projects to be undertaken by the Governments, possibly with technical assistance of UNDP or other organizations. In the case of mining operations, entirely or partly owned by the Governments of the member states, the activity would aim at providing recommendations for follow-up operations concerning, e.g.

(a) Mines using uneconomical exploration or processing (ore-dressing) techniques, liable to be improved by the application of more efficient methods;

(b) The rehabilitation of abandoned mines;

(c) Correcting mining activities which are inconsistent with the maximum welfare of the country or region, or affect the environment and ecosystem; and,

(d) The organization of co-operatives in small-scale or artisanal mining operations in order to improve the exploration and ore-dressing methods for the benefit of the region, and to avoid mining piracy.

Follow-up operations would generally consist of small-scale projects (one or two experts) including short-term consulting services, to be financed locally, through UNDP or through any other technical assistance programme.

This activity is a key element in assisting the efforts of the Governments directed towards the development, processing and marketing of mineral resources in the countries of the region. It is an activity which is very demanding in terms of professional and financial inputs, but which is expected to yield concrete and tangible results in a short period of time and to lead to the diversification of the national and regional economies. Activities during the biennium will, of course, be highly selective and concentrate on promising projects only. The preparation and follow-up of project proposals for detailed feasibility study or implementation will receive adequate attention.

	<u>R.B.</u>	<u>X.B.</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	24 man-months	-	24 mm
General Service:	21 man-months	-	21 mm
Consultants :	-	4 mm	4 mm
Travel :	-	£ 12,000	£ 12,000

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2.2.6 Study of the economic aspects of mineral resources exploitation and processing in the region

Expected completion date: December 1979.

Description: This activity will be initiated during the first half of 1977 and will consist of two parts, namely, mineral resources exploitation and mineral resources processing.

It is well known that competitive exploitation of any depletable resource is inconsistent with the socially optimum rate of exploitation. It is also acknowledged that resource exploitation must be co-ordinated with the overall development objectives of the countries in the region and the region as a whole. The problem can be dealt with more efficiently in the ECWA region because the development process is still in its initial stages. Apart from analyzing and evaluating the general economic aspects of mineral resources development, this part of the study aims at estimating the socially optimal rate of exploitation of the natural resources in the member countries; evaluating the degree of processing of these resources consistent with the maximum welfare of the member countries and of the region as a whole; assessing the impact on economic development of alternative types of resource exploitation; and, co-ordinating the rate and method of resource exploitation with plans for growth in the manufacturing sector, the agricultural sector and the foreign trade sector. Appraising the optimum rate of exploitation of mineral resources will comprise an important component of methodological research.

With regard to processing, it is pointed out that much of the mineral wealth of the countries of the region is exported in crude form, although some advance has been made in the direction of processing. Processing is of dual usefulness; it brings in a larger net return per unit of mineral mined, and it advances the course of industrialization. With regard to processing, it is aimed at studying the economics of processing; the modalities for regional co-operation in processing order to avoid wasteful duplication; marketing of minerals in crude and processed form; and, the question of production planning and programming at the regional level with a view to reaping the benefits of co-ordination and co-operation. This part of the activity will be carried out in close co-operation with UNIDO and with ECWA's Industry programme.

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During the biennium, work will be initiated on minerals exploitation. In December 1977, a first draft of the study will be ready for distribution to Government officials responsible for mineral resources development, managers of mining companies in the region and interested Government officials. The proposed studies should have significant impact on exploitation and processing of mineral resources in the countries of the region.

<u>Resources required:</u>	<u>R.B.</u>	<u>X.B.</u>	<u>TOTAL</u>
Professionals	: 12 man-months	-	12 mm
General Service	: 9 man-months	-	9 mm
Consultants	: 2 man-months	-	2 mm
Travel	: \$2,000	-	2,000

2.3 WATER

2.3.1 Evaluation and analysis of information on the
water resources of the region

Expected completion date: This is a continuing activity.

First report 1977 and second report 1979.

Description: Far too little information is known or has been collected about existing or potential water resources in the region. This activity is the first step towards achieving the long-term goal and objective 1 and is a pre-condition and essential base for the development of water resources and for carrying out the water resources programme for the region.

The activity is aimed at collecting all available economic and technical information and statistical data on water resources of the region, including reports, studies, surveys, manuals, etc., prepared by all UN organizations, other international governmental and non-governmental organizations, private firms, consultants, and by national public and private organizations in each country of the region.

The aim is to analyze and utilize existing information in order to avoid unnecessary and costly duplication which would otherwise occur if investigation were to be initiated concerning certain aspects of water resources when these aspects may already have been studied and adequate information is available in various other sources.

Parallel with the collection of information from various sources, a report will be prepared containing an evaluation and analysis of the information gathered on the water resources of the region. This will be a valuable tool for the analysis of the water resources situation in the region, will identify information gaps and the specific information which needs to be gathered in future years on a regular basis. Furthermore, the activity will be useful in that it will provide the information base required to carry out the various other activities proposed in the water resources component. It will also help to identify new activities and priorities to be carried out by ECWA.

The report on evaluation and analysis of information which will be published every two years (end of 1977 and 1979), should have wide circulation and should be distributed in particular to regional organizations, senior government officials responsible for the development of water resources in member states of ECWA, and to the UN system of organizations; it will also serve as an important source of information in the ECWA Documentation Centre.

Resources required	RB	XB	Total
Professional m/m	24	-	24
General Service m/m	12	-	12
Travel	\$ 5,000		\$ 5,000

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2.3.2. Projections of water demand

Expected completion date: This activity will be initiated in 1975. The expected date of completion is December 1977.

Description: The steps to be followed in carrying out this activity are as follows:

- (a) To outline the conceptual and procedural frameworks for water resources demand forecasting adapted to conditions in the region;
- (b) To review basic methodological approaches and techniques applicable to the region for forecasting the various categories of water demands and for comparing them with the applicable supplies in an integrated manner;
- (c) To review indicative data on specific water uses and demands in the region to facilitate tentative projections where local data is lacking or inadequate;
- (d) To gather information in the field on present and future water demand through missions in each country in the region; and,
- (e) To estimate future water demand for the member countries in the ECWA region.

The purpose of undertaking this activity is to determine the magnitude and distribution of the persistent increase in water demand for the medium and long-term (up to 1990, at least) in relation to all possible sources of water supply. Furthermore, projections of water demand is the basis for long range water resources planning, management and policy formulation .

The study will contribute towards assisting national and regional organizations in establishing or strengthening the institutional frameworks and data base for assessing and projecting the demands for water on a regular basis in the future. It will also make available preliminary estimates of water demand in the region.

The final report, which will be published at the end of 1979, should be distributed to all senior government officials concerned in water resources planning and management in each country in the region as well as to all the UN systems of organizations.

It should be stressed that the United Nations and Specialized Agencies concerned with water resources are carrying out work in the field of water resources projection. It is therefore essential that close consultation and co-operation be established between ECWA, the UN and other interested specialized agencies in order to avoid duplication. Participation of one staff responsible

for this activity in meetings of the committee on Natural Resources as well as in meetings of the ACC sub-committee for Water Resources would serve a useful purpose. In addition, the preparatory work and documentation of the UN Water Conference should provide useful information for carrying out this activity.

In the light of progress and decisions taken regarding appropriate and standardized methodologies to be applied and adapted to the region, missions to the member countries of ECWA will be required for the purpose of gathering information for the study.

Reference should be made to the visit of one or two UN consultants to ECWA in 1975 to gather information on water resources availabilities in a number of selected countries of the region. This on-the-spot data collection mission, under ECWA and Headquarters guidance, is part of the preparatory work for the UN Water Conference to be held in Argentina in 1977. This activity should be co-ordinated with the water resources programme of ECWA.

	<u>R.B.</u>	<u>X.B.</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 30 man-months	-	30 mm
General service	: 12 man-months	-	12 mm
Travel	: 2,500	-	2,500

2.3.3 Projections of water supply

Expected completion date: This activity will be started in 1975, continued in 1976 and completed in December 1977.

Description: Although projection of water demand may be undertaken independently, at least as a first step, they must be accompanied by projections of water supply for each country or region.

Projections of water demand and supply are pre-conditions for preventing or alleviating water shortages and developing an adequate water resources base for economic and social development. They constitute the basis for national and regional long range economic planning, management and policy formulation.

The steps to be followed in carrying out this activity are as follows:

- (a) To outline the conceptual and procedural framework for water resources supply forecasting adapted to conditions in the region;
- (b) To review basic methodological approaches and techniques applicable to the region for forecasting the water supply from all sources, including desalinated water. Account should be taken of water supplies resulting from water projects both under construction and planned. Emphasis should be placed on possibilities for the application of water saving techniques such as recycling, treatment and re-use of contaminated water;
- (c) To review available data on the water supply situation and potential of the region; and,
- (d) Gather information in the field on present and future water supply in each country in the region.

The additional information provided in describing the activity on projection of water demand (specific activity 2) is also applicable and directly relevant to this activity. Two additional points should be noted: (1) that UNESCO and WHO have offered to prepare the necessary document on the water supply situation for the UN Water Conference which will be held in Argentina in 1977. This document may include useful information concerning the ECWA region, but it will probably relate to hydrological and hydrometeorological data; (2) that the carrying out of the activity concerning projections of water supply can lead (a) to the initiation in each country of activities concerning the evaluation of water supply and their integration with water policies and planning; (b) to the identification of the minimum level of institutional requirements and technical expertise to carry out the required activities;

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and, (c) to the identification of the role which ECWA can play in helping to set up the required machinery, through studies, technical assistance, guidance in methodology and its application within a broad water resources planning framework.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 30 man-months	-	30 m/m
General service	: 12 man-months	-	12 m/m
Consultants	: 4 man-months	-	4 m/m
Travel	: \$ 2,500	-	\$2,500

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2.3.4 A study on manpower training needs and problems

Expected date of completion: End of 1977.

Description: The lack of trained personnel in different vocational and professional occupations is one of the most serious obstacles to the development of water resources. An assessment of the training needs in each country is an essential first step in determining the type and scope of the training required for the efficient and effective development of water resources in the region. This activity is intended to study the needs as well as the existing facilities for training problems encountered and to make recommendations concerning the means which can be used to train the various categories of personnel required. This can range from on-the-job training in field projects, vocational courses, seminars and university education, to the strengthening of and national regional institutes and academic institutions.

This activity should be co-ordinated with the programme carried out by ILO, UNESCO, FAO and the United Nations Resources and Transport Division, as well as relevant organizations in the ECWA region.

The Report should be widely distributed to government officials responsible for training as well as for planning and managing the policies related to water resources development.

The activity is expected to contribute to increasing the number of trained personnel including planners and managers in the region. This in turn will facilitate the speedy and efficient implementation of water resources projects resulting in an increase in the supply of water.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	: 12 man-months		
Consultants	:	-	12 m/m
Travel	:	2 m/m	2 m/m
		\$2,000	\$2,000

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2.3.5 Expert reports on the identification and formulation of water resources projects

Expected completion date: Continuing activity.

Description: This activity is intended to identify water resources projects whose implementation is constrained by the lack of financial resources. The reports will include evaluation of such projects in each country, including pre-investment studies and consultants' reports. Where appropriate and necessary, discussions with interested governments may lead to formulating these projects in the form required for consideration by various regional and international financial institutions. The purpose is to assist governments in the region in implementing water resources projects, particularly costly ground water projects, water distribution and transportation networks in urban and rural areas, as well as water treatment plants.

During the first year, information concerning water projects which have reached the implementation stage will be gathered and analyzed. Missions to countries in the region will be required to discuss specific projects with appropriate government officials. A progress report will be prepared at the end of each year for presentation to the governing body of the Commission.

A detailed and comprehensive survey report will be prepared and published every two years (1977 and 1979). The reports will be distributed to senior government officials responsible for the implementation and planning of water resources projects in all the countries of the region. The findings are expected to generate interest in the implementation of more water projects. This activity could become one of the major contributions of ECWA to the water resources development of the region and to its economic growth.

Resources required	RB	XB	Total
Professional m/m	24	-	24
General Service m/m	12	-	12
Consultant	-	12	12
Travel		\$ 8,000	\$ 8,000

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2.3.6 Meeting requirements

Type of meeting(s) : Expert group meeting.
Year : 1976
Title : Regional Meeting on Water Resources Development,
Problems and Prospects.
Place : Beirut, Lebanon.
Duration : 6 working days

Number and type of participants: One senior government official from each country in the region. Two consultants.

Justification: Among the preparatory activities envisaged within ECOSOC resolution 1961 of 3 May 1973 is the convening of regional meetings as part of the preparatory process for the UN Water Conference to be held in Argentina 1977. The objective of the regional meeting is (i) to review the documents which will have to be prepared for the conference by a number of ad hoc experts and consultants on various water resources subjects. These include review and evaluation of known technology, policy formulation and legislation. Demand and supply future outlooks which are directly related to the medium-term objectives of the water resources programme component will also be considered; (ii) serve as a forum for a review of the major obstacles currently existing in the field of water resources development in each of the participating countries in the region and prepare the way for the introduction of new policies, new legislation and new technology in order to meet the water demand requirements of the future.

Each participating country will be expected to identify major water resources gaps and problems such as lack of data, technological know-how, survey data gathering capabilities, institutional infrastructure, training requirements, and priority water resources development needs. All these areas are directly related to the medium-term objectives and should be closely co-ordinated with the activities proposed in the water resources programme component of ECWA.

The meeting is expected to provide useful information to government officials responsible for the planning, management and policy formulation in the field of water resources development. The report on the regional meeting will be part of the documentation for the UN Conference and will be available for distribution to national and regional organizations concerned with water resources development.

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It is expected that the regional meeting may contribute to the strengthening of the activities of existing national water resources committees and possibly to the establishment of Regional Water Resources Committee.

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2.4 SCIENCE AND TECHNOLOGY

2.4.1 Programme development, management and support

Expected completion date: Continuing.

Description: (a) Overall responsibilities of a continuing nature

- Management of the programme, including assessment, formulation and implementation of future plans of activities.
- Servicing the annual regional (ECWA) group meeting of the Advisory Committee on the Application of Science and Technology to Development (ACAST) including the preparation of background papers and follow-up when required.
- Report to the Committee on Science and Technology for Development (CSTD) and to ACAST when required.
- Participation in regional and national activities (Meetings and Seminars) in the field of science and technology and preparing such briefs and reports as may be required.
- Disseminate information pertaining to the application of science and technology to development, as may be requested by governments and others concerned.

(b) Review and analysis of developments

- Review and assess the situation in the field of science and technology including stock-taking of the available science and technology infrastructure.
- Monitor progress in the field of science and technology through appropriate indicators requiring quantification of scientific and technological activities.

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- Keep under continuous review the Regional Plan of Action for the Application of Science and Technology to Development in the Middle East and to promote and encourage regional and national action to implement the recommendations contained in the Plan through consultations with Member States and National Science Institutions and participate in regional and national activities in this regard.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>Total</u>
Professionals m/m	6	-	6 m/m
General service m/m	6	-	6 m/m
Travel	\$1,250	-	\$1,250

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2.4.2. Regional co-operative research and technology

Expected completion date: End 1977

Description: Actions and outputs

Specific activity will consist of (i) a review of the objectives, principles and methods of national and regional co-operative research and technology undertaken in the ECWA Region by Governments, intergovernmental and non-governmental organizations and the private sector; (ii) an assessment through case studies of co-operative research and technology projects; (iii) identification of areas for regional co-operation in research and technology, particularly focusing on land and water resources development and management and agricultural technology, the topics of ECWA's medium-term plan; (iv) the selection of co-operative research and technology projects through a Seminar on Co-operative Research and Technology Projects in the ECWA Region, in which experts from the Region as well as international expertise are brought in contact with Government officials responsible for the development of science and technology. ECWA's preparation for this meeting as well as its results will constitute the preparatory work for CAST ARAB, the UNESCO/ECWA Conference on Science and Technology by Arab Ministers responsible for science and technology to be held in 1976.

Concrete outputs (regular budget only) of this activity in terms of publications will consist of:

1. Assessment Report on Current Co-operative Research and Technology in the ECWA Region (1976).
2. Report on Possible Areas for Co-operative Research and Technology (1977).
3. Report of the ECWA Seminar on Co-operative Research and Technology Projects in the ECWA Region (1977).
4. Various Projects in Selected Areas of Co-operative Research and Technology (1977).

The specific activity requires the close co-operation with the UN Office for Science and Technology, the concerned UN specialized agencies, in particular, the UNESCO Regional Office for Science and Technology in Cairo. Close working relationships will be established with existing regional organizations working in the field of science and technology, while from the outset contacts will be established

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with the regional financing institutions/^{so}as to ensure their possible future involvement in regional projects. In addition, links will be established with international research centres and institutions engaged in science and technology application/^{so}as to secure the required international linkage and feedback.

Purpose:

The purpose of the activity is to promote and initiate regional, bilateral and multilateral co-operative research and technology projects in the ECWA area.

<u>Resources required:</u>		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals		6 man-months	-	6 man-months
General Service		12 man-months	-	12 man-months
Consultants		6 man-months	-	6 man-months
Travel		\$ 1,250	-	\$1,250

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2.4.3 The application of new technologies to land and water resources development and management

Expected completion date: End 1977

Description: Action and outputs

Specific activity will consist of ECWA taking the initiative, to mobilize thinking and action with regard to the establishment of regional land and water management systems. ECWA will prepare preliminary reports on such matters as:

1. New technological applications for the use of underground water resources;
2. The use of space technology (remote sensing) for land management, inventarisation of mineral resources;
3. The prospects for weather modification (cloud seeding);
4. The recycling of water resources surveys from space are expected to become operational toward the mid-seventies, and possible areas of application of particular interest to the ECWA Region, pertaining to hydrology and water resources, inventorisation and classification of agricultural resources and the efficient use of land.

The advent of meteorological satellites marks a turning point in the science and meteorology and weather modification becomes a distinct reality for the ECWA countries. ECWA's activities in these advanced technological applications will initially be directed toward overall investigations into their potentialities and limitations. In particular the relationships between ground and space requirements of new space application systems need to be considered, ECWA's initiatives in these fields will aim at the mobilization of Governments to consider new technologies and commence planning for meeting the organizational, political and manpower requirements for future usage of and participation in space application systems.

Concrete outputs (regular budget only) in terms of publications will consist of:

1. Report on Selected Aspects of the Application of New Technologies for Water Resources Development and Management: regional and national implications (1976).
2. Report on Selected Aspects of the Application of New Technologies to the Development and Management of Land Resources: utilization of earth satellite data.

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Purpose:

To initiate action by Governments of the countries in the ECWA Region to plan for the application of new technologies in land and water resources development and management requiring regional and multilateral co-operation.

<u>Resources required:</u>		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals		18 man-months	-	18 man-months
General Service		18 man-months	-	18 man-months
Consultants		-	-	-
Travel		\$1,250	-	\$1,250

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2.4.4 The application of science and technology at
the farm level

Expected completion date: End 1977

Description: Actions and outputs

Specific activity will consist of: (i) an assessment of the state of technology at the disposal of the average Arab farmer; (ii) an analysis of the available technology and its level of application at the farm level; (iii) the ways and means to diffuse agricultural technology at the farm level.

ECWA's concrete outputs (regular budget only) in terms of publications will consist of: 1. A Progress Report on Diffusion of Agricultural Technology at the Farm Level (1977).

Close co-ordination will be established with FAO and other UN specialized agencies.

Purpose:

To guide the Governments of the countries in the ECWA Region in their efforts to increase the level of agricultural technology available to Arab farmers.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professional	18 man-months	-	18 man-months
General Service	12 man-months	-	12 man-months
Consultants	-	-	-
Travel	\$1,250	-	\$1,250

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2.4.5 Meeting requirements

Type of meeting : Seminar
Year : 1976
Title : Seminar on Co-operative Research and Technology
Projects in the ECWA Region
Location : Beirut
Duration : 7 days

Type and number of participants: 50. 20-30 experts in selected fields of science and technology applications drawn from national science bodies, universities, government and intergovernmental organizations engaged in science and technology applications; and 5 - 10 experts from international research centres and institutions. Representatives from international organizations and member governments.

Justification: Meeting is essential to facilitate the selection of regional co-operative research and technology projects and to initiate regional action towards their programming and establishment.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Estimated Cost</u>		\$60,000	\$60,000

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3. TRANSPORT, COMMUNICATIONS AND TOURISM

3.1. Programme formulation and management

<u>Expected completion date</u>	:	Continuing		
<u>Resources required</u>	:	<u>R.B.</u>	<u>X.B.</u>	<u>TOTAL</u>
Professional m/m		15	-	15
General Service m/m		11	-	11
Travel		€ 1000	-	€ 1000

Description:

This activity is concerned with developing the work programme in transport, communications and tourism and ensuring its effective implementation. It involves organizing, directing and supervising activities, and assuring liaison, co-operation and co-ordination, as appropriate with other organizations within and without the United Nations system - concerned with transport, communications and tourism.

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3.2. Collection, and dissemination of data on
transport, communications and tourism.

Expected completion date : Continuing

Description:

In the countries of Western Asia only rudimentary data and information are available on transport, communications and tourism. Moreover, such data and information are deficient with respect to coverage and quality, and generally are not readily accessible to the research worker and policy-maker. The effective development of the transport, communications and tourism sectors will largely depend on the elaboration and implementation of sound policies and programmes for which basic research and, hence, the availability of adequate and reliable information is imperative.

The initial purpose of this activity is to collect and process quantitative and qualitative information on networks, facilities, services and other aspects relative to transport, communications and tourism, drawing on published and unpublished material from national sources or other material.

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In this respect especially relevant are country and regional studies and surveys. Subsequently a process of standardization will be introduced in co-operation with other regional commissions, the United Nations Statistical Office and UNCTAD so as to take into account internationally approved methods, practices and models and to avoid any duplication of effort. The results of these efforts should facilitate the future research work and decision-making process at national and regional levels.

The collected data and information, reviewed and processed by the Secretariat as may be necessary, will be published annually in mimeographed form, starting with 1976. Summarized data from the material will be included in the Annex of the Secretariat's publication entitled: Studies on Development Problems in Countries of Western Asia.

<u>Resources required</u>	<u>R.B</u>	<u>X.P.</u>	<u>TOTAL</u>
Professionals m/m	18	-	18
General Service m/m	11	-	11
Travel	\$ 1,000	-	\$ 1,000

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3.3 Development of Tourism

Expected completion date: 1977

Description and Purpose: This activity represents an amplification of work programmed for 1975 and covering Iraq, Jordan, Lebanon and the Syrian Arab Republic and its extension to involve other country-groups, namely, Democratic Yemen and Yemen.

In co-operation with international, regional and national bodies (both private and public) concerned with tourism, ECWA will intensify its efforts aimed at identifying opportunities and suggesting modalities for co-operation and joint investment and in helping to bring about the necessary collective endorsement and action. The purpose is to formulate action-oriented proposals for the most promising areas of cooperation, and indicate feasibility studies to be undertaken which could eventually lead to actual investment; and, define the most appropriate modalities of co-operation and means of financing, with a special emphasis placed on possibilities of launching joint ventures involving specific countries and based on social cost-benefit analysis, taking into consideration the opportunity cost of investing in tourism.

To achieve the stated purpose, in-depth country studies covering Iraq, Democratic Yemen, Jordan, Lebanon, the Syrian Arab Republic and Yemen, will be undertaken, focusing on co-operative aspects as well as on the significance of tourism in the national economy, the main factors - national, regional and international in scope - which influence the industry's development prospects, especially within a regional or sub-regional perspective.

Two studies are expected to be produced: One relating to the investigation covering Iraq, Jordan, Lebanon and the Syrian Arab Republic, and the other covering Democratic Yemen and Yemen. These studies would serve as a basic source of information on the tourism situation in the countries considered and should prove useful to national, regional and international bodies concerned with the formulation of policies and programmes and in elaborating country and/or multinational technical assistance programmes in tourism. These studies should also be of use to regional financial institutions interested in investing in tourism, as well as private concerns active in that field. Therefore, it is proposed to convene a seminar for senior government officials to prepare recommendations for consideration and adoption by the Commission.

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<u>Resources required</u>	RB	XB	Total
Professional m/m	24	-	24
General Service m/m	12	-	12
Consultant	-	-	-
Travel	\$ 1,250		\$ 1,250

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3.4 Development of integrated transport and communications network in the ECWA Region

Expected completion date: 1977

Description and Purpose: This activity represents a continuation and deepening of work programmed for 1975. It envisages reviewing plans, policies and practices in the field of transport and communications as they relate to inter-country traffic; studying major commodity flows, trade routes, modes of transport and transport costs in the trade of countries of the region with each other and with the outside world; and assessing future demand for various transport modes and facilities in the light of regional and world growth perspectives, taking into account the spatial distribution of economic activity in the region.

These reports would be consolidated for consideration by an ad hoc committee of the Commission, where national authorities responsible for planning and for the administration of the transport sector would take part. The committee may recommend preparation of feasibility studies of infrastructure projects or of transport services required for an integrated transport system in the region.

The findings and recommendations of these studies should serve as a basis for the elaboration of guidelines to assist governments, regional and international institutions and organizations concerned with the formulation of policies and programmes aimed at the development of integrated transport and communications systems serving the region.

It is also envisaged to organize teams to work in the field and submit reports to Governments which would highlight the following areas:

- transport situation of the country in regard to regional trade, including transit trade, the trade of the country with the rest of the world, and tourism;
- transport situation for national development and problems in the sector which could be more efficiently solved in co-operation, or sharing experience with other countries of the region; and,
- presentation of recommendations on ways of solving main problems encountered.

<u>Resources required:</u>	RB	XB	Total
Professionals m/m	39	12 mm	51 mm
General Service m/m	20	12 mm	32 mm
Consultants m/m	-	12 mm	12 mm
Travel	\$ 4,000	\$ 5,000	\$ 9,000

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3.5 Economic and social implications of the introduction of containers and other unitized methods of transport

Expected completion date: 1977

Description and Purpose: Countries of the Region need to become aware of the extent and rate at which they could beneficially participate in the new transport technology as it relates to containerization and other methods of intermodal transport.

The successful implementation of steps in that direction presupposes that certain requirements of a financial, manpower, organizational, institutional and infrastructural or physical nature are met - or can be met - both at the country and regional/sub-regional levels, encompassing the entire transport sector, as well as other aspects of economic life.

The purpose of this activity is to study the economic and technological aspects of introducing unitized methods of intermodal transport with a view to formulating guidelines that would assist countries of the region in deciding on the most appropriate strategies for the development of transport facilities and ancillary services, at the national as well as the regional/sub-regional levels. This will be a phase towards achieving the plan objective on the implications for countries of the region of the transfer of new scientific knowledge, technology and experience in transport and communications.

The successful implementation of this activity will assist the operations of UNDP and UNCTAD. In particular, this is expected to contribute to a more precise definition of projects on maritime transport capability and co-operation amongst ports of countries in the ECWA Region, in UNDP planning for the period 1976-1981.

Resources required	RB	XB	Total
Professionals m/m	18	6	24 mm
General Service m/m	6	-	6 mm
Consultants m/m	4	-	4 mm
Travel	\$ 1,250	\$ 2,500	\$ 3,750

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3.6 Development of shipping services and port facilities

Expected completion date: 1977

Description and Purpose: Countries of the region depend heavily on foreign trade - a dependence which will be accentuated in the foreseeable future. Except for a relatively insignificant share, this trade is carried by extra-regionally owned ships, involving substantial foreign exchange outlays. At the same time, these countries hardly make any use of coastal shipping services in trade among themselves.

The establishment/expansion of shipping fleets in the region may be justifiable by the availability of financial resources, the volume of trade, and the need to diversify the sources of income and foreign exchange. In co-operation with UNCTAD, IMCO, the Arab League, regional financial institutions and other concerned regional and international organizations, ECWA's efforts will be directed towards studying the development of shipping fleets suitable for the trade and economic conditions of the countries of the region, to enable them to increase their participation in the movement of goods, especially those generated by their own trade, through the following measures:

- studying commodity flows and important trade routes inter - and intra-regionally;
- undertaking a survey and analysis of existing shipping fleets owned by countries in the region, and national and regional plans in this field;
- preparation of guidelines on the acquisition and financing of ships; and,
- studying the implications of establishing and operating multinational shipping enterprises.

Resources required	RB	XB	Total
Professional m/m	18	3	21
General Service m/m	6	12	18
Consultants m/m	4	20	24
Travel	\$ 1,000	\$ 1,500	\$ 2,500

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3.7 Facilitation of transit traffic

Expected completion date: 1977

Description and Purpose: This activity is a key element in the formulation of a regional system of commercial goods transport by road, including combined transports for trade within the region and trade of the countries of the region with the rest of the world. Its necessity has been further high-lighted in the preliminary findings of a Secretariat's study on the transport situation in the Region, to be completed before the end of 1974.

The programme will provide a detailed analysis of the present situation complemented by alternatives, whereby governments may harmonize their action, ensuring an equitable distribution of costs and benefits involved in granting transit facilities for commercial goods transport by road. The activity requires co-operation with the Arab League and its subsidiary bodies as well as the Council of Arab Economic Unity. It will be co-ordinated with the objectives of other international agreements concluded under the auspices of the United Nations.

It is envisaged that a report will be prepared for discussion at a meeting to be held in 1977, grouping development and transport planners in the member countries of the Commission. ^{upon} The recommendations agreed/ at the meeting will serve for the further facilitation/ measures for the international movement of persons and goods.

<u>Resources required:</u>	RB	XB	Total
Professional m/m	12	3	15
General Service m/m	6	-	6
Travel	\$ 500	\$ 1,000	\$ 1,500

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3.8 Development and Co-ordination of Air Transport

<u>Expected completion date:</u> 1978	New		
<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	-	12	12
General Service	-	-	-
Consultants	-	24	24

Description:

Most if not all the countries of the region are adequately served by their airlines. Indeed one can safely say that many airlines suffer from excess capacity which is not economically utilized. Air transport is a heavily-capital intensive industry in the provision of modern aircraft; spare parts maintenance and overhaul facilities; handling equipment and advertising and publicity costs.

There seems to be a great need for co-operation between the national airlines to co-ordinate their activities and pool their resources in this field so as to avoid harmful competition and duplication of efforts.

The Secretariat intends in co-operation with regional and international organizations competent in this field and through extra-budgetary resources from within and outside the region to undertake a study aimed at highlighting areas where co-operation between national airlines can be achieved to eliminate harmful competition and reduce unnecessary overhead charges which will not only benefit the airlines themselves but the public at large.

A conference of airlines representatives will be convened in 1978 to review the above-mentioned study and agree on appropriate measures to solve these problems.

It may be necessary to establish a regional permanent organization to deal with the problems inherent in this field and to seek ways and means to accelerate intra-regional co-operation between member countries so that air transport with its multiple use in the movement of passengers, goods and mail will be accessible to the public at economical rates.

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3.9 Development of telecommunication services

<u>Expected completion date:</u>	-	New		
<u>Resources required:</u>		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	-		12	12
Consultants m/m	-		24	24

Description:

The role that telecommunications can play in the economic and social development of the region cannot be over emphasized. It is essential therefore that member countries should develop their telecommunication services (telephones, telegrams, telexes, radios and satellite communications) with modern and standardized equipment so as to be able to communicate with each other and the rest of the world through well co-ordinated network of these services.

It is intended to make a survey of existing facilities and links between the member countries of the region and between the region and the outside world, with a view to improving these services and establishing new co-ordinated links where these do not exist. The survey will also deal with existing tariffs and rates and recommend ways and means to the standardizations of these rates so that the services can be made available to the masses of the population at reasonable rates.

The survey which is planned to be conducted in close co-operation and assistance from ITU (International Telecommunication Union) will, it is hoped, be financed through extra-budgetary sources from inside and/or outside the region.

A conference will be held in 1979 to examine the findings of the survey and will make appropriate recommendations to governments for the modernization of the existing services and the network which will link the countries of the region and means of financing such network.

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3.10 Meeting Requirements

Type of meeting(s): Working Group

Year: 1977

Title (subject): Facilitation of Transit Traffic

Place: Beirut, Lebanon.

Duration: Two weeks

Number and type of participants: Officials responsible for transport development planning, high-way construction and administration.

Coming from: All member countries of the Commission

Number of substantive staff attending: four

Estimated cost: \$4,000

Justification:

Because of the problems facing the movement of goods and persons in transit in the region, the meeting is essential to harmonize country policies with a view to reaching an agreement governing the facilities of international road transport.

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4. Development Planning

4.1 Development Planning, Projections and Policies

4.2 Development, Finance and Administration

4.3 Statistics

4.4 Labour, Management and Employment

4.5 Trade

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4.1 DEVELOPMENT PLANNING, PROJECTIONS AND
POLICIES

4.1.1 Programme Formulation and Management

Expected Completion Date: Continuing

Description:

- Daily management of the programme, including detailed planning of future activities, and programme co-ordination and evaluation;
- Reporting to and responding to requests from governing bodies, ECOSOC, UN Secretariat and other UN bodies;
- Preparation of documents for and servicing of the subsidiary organs of ECWA;
- Preparation for, and participation in various technical meetings and conferences;
- Backstopping of technical assistance projects and experts in the field;
- Preparation for, and participation in various missions to member countries, organized by ECWA, UN Headquarters or the Specialized Agencies;
- Supervision of consultancy work;
- Finalization of studies, reviews and reports;
- Overall responsibility for the annual publications of ECWA; and,
- Provision of various inputs into inter-disciplinary activities at ECWA.

<u>Resources Required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	36	-	36
General Service m/m	20	-	20
Travel	\$ 2,000	\$ 6,500	\$ 8,500

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4.1.2 Review of Recent Economic Trends and Analysis of Current Development in Western Asia

Expected completion date: Continuing.

Description: This activity consists of keeping abreast with the reporting on economic developments in Western Asia. It will be undertaken in close co-operation with all the substantive divisions of ECWA, under the general supervision and co-ordination of the Development Planning Division.

The purpose of this activity is to review recent economic trends and to analyze current developments in Western Asia, including an annual appraisal of progress during the Second Development Decade and an assessment of the short-term outlook at the global and sectoral levels, in a national and regional context. More specifically, it will involve the annual preparation of statistical indicators, country "briefs" and a regional review, covering as many fields as there are substantive programmes at ECWA. Each Division will be responsible for the preparation of the statistical indicators (in co-operation with the Statistics Programme of the Development Planning Division), country "briefs" and regional reviews relating to its programme(s). The Development Planning Division will be responsible for the preparation of the following: Overall Developments, Development Planning and Policies, Statistics, International Trade, Development Finance and Administration, and Labour and Employment. The Development Planning, Projections and Policies Programme will assume overall responsibility for this ECWA activity, the product of which will be published annually by ECWA under the title "Economic Survey of Western Asia". This publication, which will appear during the summer, is intended to replace the Annex on "Sectoral Developments and Development Indicators" to ECWA's annual publication entitled "Studies on Development Problems in Countries of Western Asia".

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	22	-	22
General Service m/m	16	-	16
Travel	\$2,000	-	\$2,000

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4.1.3. Third Review and Appraisal of Progress Towards Achieving DD II Objectives in Western Asia

Expected Completion Date: Continuing.

Description:

As per General Assembly resolution 2626(XXV), the third biennial review and appraisal of progress towards achieving the objectives of the International Development Strategy for the Second United Nations Development Decade will be completed in 1977 for submission to the summer session of ECOSOC in that year. This exercise, which will draw on the work and findings of the annual activity entitled "Review of recent economic trends and analysis of current developments in Western Asia" and on the findings of the mid-term review and appraisal exercise to be completed in 1975, will cover the first half of the Second Development Decade (1971-1975) and will include the outlook and recommendations for the balance of the Decade, in the fields of overall growth performance and development planning and policies, at the national and regional levels.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	6	-	6
General Service m/m	6	-	6

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4.1.4. Review and Appraisal of Progress Achieved in Western Asia Towards Implementing the Programme of Action on the Establishment of a New International Economic Order

Expected Completion Date: Continuing.

Description:

Pursuant to General Assembly resolution 3201 (S-VI) and 3202 (S-VI), and particularly section IX of the latter resolution, and to ECOSOC resolutions 1896 (LVII) and 1911 (LVII), ECWA will, on a continuing basis, take measures in view of submitting suggestions to Member States and submitting to ECOSOC, at least once a year, reports on the progress made in, the implementation of the goals and measures specified in the Declaration and the Programme of Action on the Establishment of a New International Economic Order. Moreover, as per paragraph 7 of section X of General Assembly resolution 3202 (S-VI), ECWA will be ready to assist the Ad Hoc Committee on the Special Programme in performing the functions assigned to it, and to help, as appropriate, in the operations of the Special Fund.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/n	4	-	4
General Service m/m	4	-	4

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4.1.5 Regional financial resources

Expected completion date: 1977

Description: The effects of the recent developments in the world oil situation has been to bring about a sharp rise in oil revenues accruing to the oil-producing countries in the ECWA region. While the utilization of these large resources is primarily the concern of the oil-exporting countries themselves, the issue is also of great concern to other countries in the region and to the international community at large. It is, therefore, of crucial importance that these financial resources be put to productive use to promote a more rapid development of the countries of Western Asia, other Arab countries, as well as the rest of the developing world, within the framework of a stable international economic order and monetary system.

Under this activity, work will be directed towards: (a) assessing the prospects for the accumulation of financial resources in the region arising from higher oil revenues over a period of 10 to 15 years; (b) analyzing the effects of these surpluses on the economies of the region, taking into consideration the absorptive capacities of member countries and means to expand them; and (c) exploring alternative uses for the surplus funds, including an assessment of the implications of diverting funds outside the region, and suggesting methods and channels for optimum investment in the region. The findings under this activity will be incorporated in a study to be completed in 1977.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/n	-	36	36
General service m/n	-	24	24
Travel	-	\$12,000	\$12,000

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4.1.6 Regional finance availabilities and the capital needs
of the deficit countries in Western Asia

Expected completion date: Continuing

Description: Work started in 1973 under this activity will continue on an annual basis. Its purpose is to undertake, and continuously revise and up-date, in the light of new developments and data, projections of the balance of current payments of Member States for the following 10 years. Attempts will also be made to provide orders of magnitudes of future capital movements and the overall financial position of each country. To be completed during the second quarter of each year.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professional	6 man-months	-	6 mm
General Service	4 man-months	-	4 mm

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4.17 Perspective planning for countries in Western Asia

Expected completion date: Continuing

Description: ECWA will undertake research to assist Member States, on a continuing basis, in developing perspective plans with a view to delimiting their broad growth potentials for the next 10 to 20 years, in order to establish the framework on which feasible medium-term plans and short-term operational programmes can be based. Perspective planning techniques and growth models suitable for the oil-producing countries, the least developed countries, and the other countries in the Region will be developed, with the purpose of preparing prospective studies on the growth potentials and development perspectives of Member States and on the alternatives and options available to them. Such studies will then be used for in-depth sectoral (perspective) plans, with the co-operation of the relevant substantive programmes of ECWA and the Specialized Agencies. Particular attention will be devoted to the least developed countries in Western Asia, and to those countries in the Region which have not yet prepared formal development strategies. Work under this activity, which is scheduled to start in 1975, will produce one study annually (to be completed during the last quarter).

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	12 man-months	-	12 mm
General Service	12 man-months	-	12 mm
Travel	\$2,000	-	\$2,000

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4.1.8 Assessment of development opportunities in Western Asia, including project evaluation

Expected completion date: Continuing

Description: ECWA will systematically and continuously survey the development problems and needs of Member States and of the Region as a whole, identify development opportunities in the context of the countries' general development strategies or plans, and assist in preparing pre-feasibility studies, undertaking project evaluations, studying joint venture schemes and, in principle, looking into all aspects - financial, legislative, institutional, co-operative and organizational in nature - which are essential to the success of such projects. In doing so, ECWA will study and present the options available to the Governments of Member States for investment and policy decisions. Work under this activity, which is scheduled to start in 1975, will produce one study annually (to be completed during the last quarter).

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professional	10 man-months	-	10 mm
General Service	10 man-months	-	10 mm
Consultants	6 man-months	-	6 mm
Travel	\$2,000	-	\$ 2,000

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4.19 A regional perspective to resource formation and allocation

Expected completion date: Continuing

Description: The purpose of this activity, under which research started in August 1971, is to suggest ways and means of harmonizing national plans and improving the utilization of existing national industrial production capacities, in order to achieve a more efficient allocation of regional investment resources. Significant progress was achieved in 1972 and 1973, culminating in the application of the theoretical considerations, which demonstrated the superiority of the use of social cost-benefit analysis as compared to alternative approaches to regional co-ordination, and the empirical findings, which provided estimates for the cost of essential industrial inputs and transport to the cement and sugar industries.

Work under this activity, which was disrupted in 1974 because the post (from the Dutch Trust Fund) could not be filled, will resume in 1975 and continue through 1976 and 1977, with research particularly oriented towards providing information and guidance on the range of options available for the implementation of regional economic co-operation schemes and joint ventures in various sectors, and suggesting arrangements for appropriate multinational action.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional	-	24 mm	24 mm
General Service	-	-	-
Travel	\$2,000	-	\$2,000

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4.1.10 Studies on important aspects of development
in the countries of Western Asia

Expected completion date: Continuing

Description: Various important economic and social aspects of the development of Member States will be analyzed and often regionally compared. Such studies will provide guidance and outlook on economic policy, and will contribute to the promotion of a better mutual knowledge and understanding in the Region of national economic and social systems, structures, performances, problems, possibilities and needs. Examples of such aspects of development, which will be studied, are the following:

- role and importance of the public sector;
- absorptive capacity of public administration and services;
- social services and welfare systems;
- educational systems;
- land reform systems;
- banking and monetary systems;
- fiscal systems;
- regulation and control of the operations of transnational corporations;
- restrictive business practices;
- income distribution and consumption patterns;
- "quality" of growth;
- prices, wages and productivity; and,
- cost of living and purchasing power.

Such studies will be prepared twice a year by consultants under the supervision and co-ordination of the DPPP Programme, with the co-operation, as appropriate, of other relevant ECWA programmes.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professional	-	24 mm	24 mm
General Services	-	12 mm	12 mm
Travel	-	\$ 4,000	\$ 4,000

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4.2 DEVELOPMENT FINANCE AND ADMINISTRATION

4.2.1 Programme Formulation and Management

Expected Completion Date: Continuing.

Description:

The purpose of this activity is to plan, manage and co-ordinate effectively the available resources to achieve the objectives envisaged in the field of development finance and administration. Efforts to this effect are concentrated mainly on:

- Formulating and directing the activities of the programme;
- Managing the resources available to it;
- Co-ordinating the work of the programme with other programmes at ECWA, related units within the United Nations system, the Specialized Agencies and international, regional and national organizations;
- Preparing reports to governing bodies and substantive divisions of the United Nations on various issues pertaining to development finance and administration, as may be requested;
- Participating in meetings and preparing briefs and reports, as may be necessary;
- Reviewing current developments in the field of finance and administration in all the countries of the Region, in connexion with the review and appraisal of progress in the implementation of the International Development Strategy for the Second U.N. Development Decade;
- Preparing quantitative indicators in the field of public finance, along with the analysis of developments in this sector, for inclusion in the annual publication of ECWA.
- Collecting, analyzing and disseminating basic data on various aspects of development administration and finance in Member States of ECWA and in the developing countries outside the region; and,
- Providing substantive support to U.N. technical co-operation projects and to individual field experts serving the region in the field of development finance and administration.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	12	-	12
General Service m/m	12	-	12

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4.2.2. Development planning and mobilization and
management of financial resources

Expected completion date: 1977

Description: This activity, under the Development Finance and Administration Programme of ECWA, encompasses efforts to provide guidelines and information aimed at promoting the efficiency of the budgetary, financial and monetary systems. It is particularly directed to strengthen budget-plan harmonization and management, develop appropriate and feasible tax systems, with relevant policies and efficient administration adapted to changes in the economic structure and objectives of national development programmes, especially those relating to the mobilization and allocation of resources, stabilization and growth of the economy and equitable distribution of income and wealth.

During the 1976-1977 biennial work programme, efforts will be directed towards the achievement of part of the objectives envisaged under the medium-term plan period. Priority will be given to the examination of the budgetary systems, practices and problems, budgetary classification of government transactions and their economic and social impact, accounting and budgetary procedures and budget-plan harmonization and management. Efforts will also be made to assess and evaluate existing patterns of income distribution and examine measures and policies aimed at achieving redistribution objectives.

In this connexion, the following projects will be carried out during the period concerned:

- Survey and evaluation of government budgetary systems and practices in Member States of ECWA and preparation of a methodological framework as a guide to reform;
- Survey of the existing patterns of income distribution in selected countries of the ECWA Region, study of the impact of structural changes in the economy, and examination of measures pertaining to distribution policy; and,
- Initiation and completion of the 1975-76 biennial review and appraisal of progress in public finance in connexion with the International Development Strategy for the Second United Nations Development Decade.

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These studies are expected to provide adequate information and guidelines which should help in the improvement of existing systems and practices in the countries of the Region and serve as the basis for sound policy formulation in these areas. They will also be presented to meetings scheduled to be held at the national and regional levels in order to examine some of the pressing problems of reform in these fields and contribute towards establishing further guidelines for the follow-up action required.

<u>Resources required:</u>		<u>RB</u>	<u>YD</u>	<u>TOTAL</u>
Professionals	18	man-months	-	18 mm
General Service	18	man-months	-	18 mm
Consultants	6	man-months	-	6 mm
Travel	\$ 1,500		-	\$ 1,500

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4.2.3. Administrative capability for economic and social development

Expected completion date: 1977

Description: This activity entails efforts directed towards increasing administrative capability at all levels, with a view to accelerating the process of planned economic and social development and achieving development goals. In particular, it is designed to provide guidelines for and assistance in establishing and strengthening of the institutional framework required to initiate administrative reform planning, improve work methods, procedures and practices, and develop public personnel systems with adequate guidelines for effective use of personnel resources accompanied by staff training, and motivation programmes at all levels of administration, i.e. central, regional and local. Special emphasis will be placed on the pressing problems and needs of the least developed, the small and the newly independent countries of the Region.

During the 1976-1977 biennial work programme, efforts will concentrate on action-oriented research to develop guidelines for and provide assistance in dealing with the administrative problems of government organizations, procedures, work methods, personnel policies and other aspects of the civil service system in selected countries of the Region. Efforts will also be made to initiate pilot exercises aimed at examining the administrative and managerial requisites of development programmes and projects, including public enterprises, and contributing towards the formulation of an overall administrative plan, consistent with the national socio-economic development plans.

The following projects will be carried out during the coming two years:

- Survey and evaluation of the administrative infrastructure and civil service systems and needs in selected countries of the Region, with a special reference to the least developed and the small and newly independent among them;
- Study and establish: the guidelines for the formulation and implementation of the administrative reform planning as part of the overall national economic and social development plans;
- Study on public personnel planning, training and development programmes in selected countries of the ECWA Region;

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- Initiating and completing the 1975-76 biennial review and appraisal of progress in Public Administration in connexion with the International Development Strategy for the Second United Nations Development Decade.

These projects will be carried out in close collaboration with the appropriate national organizations responsible for administrative reform programmes. The findings will be made available to governments concerned to help in the formulation of policies and actions to be taken towards the improvement of the situation. They will also be submitted to meetings to be held at the national and regional levels, with a view to contributing to the establishment of further policy guide-lines and follow-up action required.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u>			
Professionals	18 man-months	-	18 mm
General Service	18 man-months	-	18 mm
Consultants	-	6 mm	6 mm
Travel	\$ 15,000	-	\$15,000

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2.4. Type of meeting : Working group meeting
Year : 1977
Title : Working group meeting on budget classification, budget-plan harmonization and management
Place : Beirut, Lebanon
Duration : One week

Type and number of participants: Two senior government officials

Justification: This meeting is designed to bring together participants from Member States, with a view to examining national and regional efforts made over the last six years towards the reform and improvement of the budgetary systems and review progress made and difficulties encountered in applying the suggested simplified scheme of budgetary classification and its integration with the system government and national accounts. It will also invite participants to evaluate the role of the budget in facilitating the process of plan formulation, implementation and evaluation of achievements. In this connexion, it is particularly intended that the meeting would provide guidelines as regards the use of the budget and the overall financial plan as instruments in the preparation of annual co-operational plans and programmes and the formulation and execution of the short-term socio-economic policies needed.

This meeting will be sponsored by ECWA and will be carried out under the joint auspices of UNDP and DPAF of the United Nations Headquarters.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	\$4,000	-	\$4,000

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4.3 STATISTICS

4.3.1. Comparative Study of Real Income in the ECWA Countries

Expected Completion Date: 31 December 1978.

Description:

This activity examines the International Real Income comparisons of the ECWA countries.

A study will be initiated in January 1977 and will last for a period of two years. Results will be published in phases; results for the countries are expected to be published during the budget period.

The study is designed to compare the gross domestic product and its components in a common unit value and the purchasing power of currencies; it will be co-ordinated closely with the International Comparison Project, being carried out by the Statistical Office of the United Nations, IBRD and the University of Pennsylvania. The study will apply to methodology developed in the first stages of the International Comparison Project to the international comparison aggregates of the domestic product and expenditure of the member States of ECWA. (This study will be carried out in co-operation with the Statistical Office of the United Nations International Monetary Fund and the Governments of the region).

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	-	12	12
General Service m/m	-	12	12
Travel	-	\$1,000	\$1,000

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4.3.2 Comparative Costs of Living in the ECWA Countries

Expected Completion Date: 31 December 1976.

Description:

This activity examines the cost of living and indices pertaining to it in the countries of the ECWA region.

In 1976, a study will be conducted on the living conditions, including both earnings and cost of living, in the ECWA member States. The study will confine itself, at the first stage, to living conditions in the capitals of the countries and to certain strata of people or income groups; the study for each capital could be based either on information and surveys already conducted in the places concerned or on the basis of some limited new sample surveys to be conducted with the approval, advice and co-operation of the countries concerned. (The study will be conducted in co-operation with the Statistical Office of the United Nations, the International Labour Organization and the governments of ECWA member States).

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	-	12	12
General Service m/m	-	12	12
Travel	-	-	-

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4.3.4. Development of national and regional statistics

Expected completion date: Continuing

- Description: a) To study national statistical systems and methodological practices in relation to international standards and to provide assistance to the countries of the region in organizing and expanding statistical services and in the formulation and implementation of national statistical programmes;
- b) To provide assistance to the countries in the region in the establishment of modern facilities and systems for the efficient and rapid processing of economic and social data;
- c) To contribute towards the international co-operation of national and international statistical programmes.

Objective: During the budget period, the Regional Adviser in Statistics attached to ECWA will continue to meet requests for short-term assistance in statistics of the countries of the region.

ECWA will continue to co-ordinate its statistical activities closely with those of similar United Nations and other regional institutions.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	12 man-months	-	12 mm
General Service	36 man-months	-	36 mm

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4.3.4. Annual Statistical Abstract of the Arab World (or ECWA region)

Expected Completion Date: Continuous.

Description:

Following the process of compilation and dissemination of statistics in the Arab world on agriculture, energy and primary commodities, industry, construction, international trade, prices and finance, national accounts, housing, labour, education, health and population, a yearbook will be published. The yearbook will primarily serve the interests of all the divisions of ECWA, as well as regional institutions and member countries. The Statistical Section would service, through this publication as well as directly, the different divisions by providing them with the necessary statistics and data they need.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	36	-	36
General Service m/m	36	-	36

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4.3.5. Working Group on production accounts, commodity balances and input-output analysis at current and constant prices

Type of meeting: Meeting of a group of experts

Year: 1977
(1976)

Place: ECWA Headquarters

Duration: Five days

Type and number of participants: 24 participants; 2 each from an ECWA member country, a statistician and a planner

Justification: More than five years have passed since the publication of the revised system of National Accounts (SNA). As national accounts are an indispensable tool for the elucidation of many problems of development planning, a meeting on production accounts, commodity balances and input - output analysis would contribute greatly towards obtaining an equilibrium between available resources and their uses and towards a balanced growth in all sectors of the economy.

The meeting will (i) review the state of national accounting in the countries of the regions, (ii) study the nature of the production, consumption and capital formation accounts and tables in current and constant prices and input - output analysis.

Methodological work on national accounts and related subjects is done by the Statistical Office of the United Nations. Regional Economic Commissions, such as ECWA, can advance methodological application only through expert meetings such as the one proposed here.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	\$4,000	-	\$4,000

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4.4 LABOUR, MANAGEMENT AND EMPLOYMENT

4.4.1. Programme Development and Support

Expected Completion Date: 1976/1977, continuing.

Description:

This specific activity is required:

- a. To conceive, plan and formulate any short, medium or long term programme;
- b. To review and assess the situation with respect to labour and employment within the context of the International Development Strategy (IDS) for the United Nations Second Development Decade (SDD) and to report on labour, training and employment trends and developments in the region;
- c. To provide advisory services to governments whenever requested;
- d. To provide substantive support to ongoing technical co-operation in the field of labour, management and employment (such as the Kuwait Institute for Economic and Social Planning and, the Damascus Institute and the A.D.P.E. project in Iraq.);
- e. To participate in short term inter-agency missions and exploratory teams; and to prepare relevant reports; and,
- f. To participate in conferences and meetings as relevant; and to report on them.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	12	-	12
General Service m/m	6	-	6
Travel	\$ 1,000	-	\$ 1,000

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4.4.2. The Employment Situation in the Countries of the ECWA Region:

Analysis and Appraisal

Expected Completion Date: One year, starting January to end of 1976.

Description:

The purpose of this study is to throw light on the employment situation in the countries of the ECWA region, with particular reference to the participation rate and its evolution; the various structures of employment; the extent and structures of unemployment; the extent, forms and locations of underemployment; other forms of labour under-utilization; the place and nature of employment policy in national development plans; and, the institutional framework dealing with the employment and manpower problems.

Very little is known about the employment problems and situations in the least developing countries of the ECWA region - such as the Arab Republic of Yemen, the Democratic Republic of Yemen, and Oman - as well as in Saudi Arabia and the United Arab Emirates. In these countries, the labour force statistics are not yet well developed, and no general census, yielding satisfactory data on the labour force, or an overall manpower survey has been undertaken. Knowledge of the employment problems in Iraq, Qatar, Bahrain and Jordan is still inadequate. Even in countries like Lebanon and Syria, the labour force statistics are still below requirements and adequate studies on the employment problem are absent.

The above proposed diagnosis is a necessary first step in order to build up the knowledge required for the understanding of the employment problem in the countries of the ECWA region.

In the preparation of this study, account will be taken of the recommendations of the Arab countries' Seminar on Manpower and Employment Planning (April 1975) regarding the conduct of such research.

Output: Four papers of about 100 pages each relating to one of the following groups of countries:

- a. The least developing countries of the ECWA region;
- b. The Gulf oil-producing countries: Kuwait, Qatar, Bahrain, and the United Arab Emirates;
- c. Other oil exporting countries; Iraq and Saudi Arabia; and,
- d. Jordan, Lebanon and Syria.

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<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	18	-	18
General Service m/m	18	-	18
Travel	\$ 2,000	-	\$ 2,000

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4.4.3. The levels and structures of wages and other incomes from work in the various countries of the ECWA region

Nature of activity: A joint activity between the Labour and Statistics programmes in ECWA and eventually ILO.

Expected completion date: January 1976 to end of 1976.

Description: The purpose of this study is to collect, analyse and assess data and other relevant information concerning the general, sectoral, geographical, occupational and skill levels of wages and to find out the wage and salary structures and differentials. Its purpose is also to collect information on the patterns and levels of income from work in the informal sector of the urban areas and in the traditional sector of the rural areas.

This information would constitute the knowledge base for ECWA's future studies on the distribution of income and on the relationship between wages, prices and productivity. It will also serve to explain various aspects of the labour mechanism, the educational and occupational choices, as well as the occupational and geographical mobility of labour.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	- man-months	24 mm	24 mm
General service :	6 man-months	12 mm	18 mm
Consultant :	-	4 mm	4 mm
Travel	-	\$2,000	\$2,000

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4.4.4. Manpower supply and demand in the ECWA
Countries: Present situation and future
evolution (up to 1990)

Expected completion date: One year starting January 1977 to end of year.

Description: The purpose of this study is to assess the supply and demand of manpower at present and in the future, with a view to evaluating the magnitude and nature of the present imbalances and to examining the conditions of establishing in the future a relative equilibrium within a general equilibrium model of development.

This study will fill an important gap in our knowledge of present and future (expected) employment and manpower problems. It constitutes one of the necessary steps required for the built up of our knowledge in the field of employment and manpower.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 18 man-months	12 mm	30 mm
General ervic	: 12 man-months	=	12 mm
Consultant	: 4 mm	-	4 mm
Travel	\$ 2,000	-	\$ 2,000

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4.4.5. Measurement and Analysis of Productivity, Wages and Prices in the Industrial Sectors in Selected Countries of the ECWA Region

Expected completion date: end 1977.

Objectives:

This specific activity is expected to contribute to a better understanding of current and future performance of the labour force and the economy in general. It gives the Governments of member countries a guideline on how productivity is behaving which in itself is an incentive for further improvement. Furthermore, this activity throws some light on how well labour and capital are doing in different manufacturing activities in the industrial sector of a country which is important because of its policy implications at the national level. Similarly, the comparison of productivity between countries for a specific manufacturing activity would have some policy implications at the regional level.

This activity finally makes it possible for governments to establish a relationship between prices, wages and productivity which contributes to a better understanding of the performance of the economy.

Justification:

The choice of this activity can be best explained in terms of its main objectives as well as its sub-objectives which consist of:

- (i) Devising ways for measuring and increasing productivity in the industrial sector of some of the member countries;
- (ii) Assessing and evaluating the gains in terms of higher labour force of the industrial sector;
- (iii) Comparing productivities of the industrial sector of some member countries;
- (iv) Identifying the regions that have the lowest labour productivity and hence giving priority to these regions;
- (v) Comparing productivity between different manufacturing activities in some member countries;
- (vi) Comparing productivity in some manufacturing activities between member countries;

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(vii) Tracing and forecasting the future trend in productivity taking into account technical progress affecting both labour and capital; and,

(viii) Suggesting economic policies for governments^{of} member countries to maintain an equilibrium and stable relations between wages, prices and productivity.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals :	-	12 mm	12 mm
General Service :	6 mm	12 mm	18 mm
Travel :	\$ -	\$5,000	\$5,000

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4.5 TRADE

4.5.1. Overall Management, Including the Provision of Supporting Services

Expected Completion Date: Continuing.

Description:

This activity comprises the following:

- Management of the programme including the detailed programming of future activities and programme evaluation;
- Preparation of regular reports;
- Preparation of documents for, and servicing of, the subsidiary organs of the Commission;
- Finalization of studies for publication;
- Participation in technical meetings;
- Provision of supporting services, including backstopping of experts in the field, substantive support to technical assistance projects; and,
- Advisory services and assistance to Governments and regional organizations on request.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	24	-	24
General Service m/m	12	-	12

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4.5.2. Restrictive Business Practices in Manufacturing in the ECWA region

Expected Completion Date: New.

Description:

This specific activity will consist of a general market survey of the member countries to identify the degree and seriousness of restrictive business practices; listing and classifying the types of restrictive practices existing in each country; assessing the effects of these restrictions on the volume of trade and development and suggesting ways and means of minimizing their adverse effects on the economies of these countries; and, co-ordinating the work of ECWA with that of UNCTAD in attempting to construct an international code of conduct that safeguards the rights of both the mother company and its subsidiaries.

The purpose of this activity is to suggest methods to remove the maximum number of obstacles to the expansion of trade and development in the Member countries arising from restrictive business practices. It is intended for the benefit of government officials responsible for trade and development in the Member countries; business managers whose companies are likely to be subsidiaries of multinational companies; international law experts who can advise Member countries on new legal organization schemes concerning the relationship between local and mother companies and academic and professional community engaged in Trade, Transfer of Technology and Development.

This activity is expected to lead to:

1. Government examination of the different clauses and restrictions that the mother companies are imposing on the local companies, as well as their implication for trade and development resulting in a more selective and careful way of granting licenses and patents to local companies that are subsidiaries of multinational companies;
2. Co-ordination between Member countries to deal with restrictive business practices at the regional level; and,
3. A close co-operation of Member countries with UNCTAD with a view to constructing an international code of conduct and reorganizing the relationship between the mother company and its subsidiary at the international level.

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<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	-	24	24
General Service m/m	-	24	24
Travel	-	\$ 6,000	\$ 6,000

4.5.3. Arab Payments Arrangements

Expected Completion Date: New.

Description:

This activity consists of ECWA taking the initiative in mobilizing thinking and conducting studies with a view to establishing a workable payments scheme among the Arab countries. The results will be brought to the attention of Government officials in charge of trade and development, regional financial institutions, international research centres and institutions working on international monetary problems, and academic and scholarly institutions. This activity is expected to lead to government action that would culminate in the foundation of an Arab payments scheme to help finance overall payments deficits and co-ordinate regional monetary policies.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	-	24	24
General Service m/m	-	24	24
Travel	-	\$ 6,000	\$ 6,000

4.5.4. Liberalization of non-Tariff Barriers

Expected Completion Date: 1977.

Description:

Non-Tariff barriers in the developed countries constitute an important obstacle to the expansion of exports of manufactures and semi-manufactures, including processed and semi-processed products from ECWA countries. Furthermore benefits which ECWA Members could derive from the Generalized System of Preferences may be adversely affected by the non-tariff barriers relating to their exports.

A study on liberalization of non-tariff barriers would include the following components:

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1. Identification of products or groups of products exported by ECWA countries, which are affected by non-tariff barriers;
2. Preparation of a document containing an up-to-date and detailed inventory of non-tariff barriers affecting the trade of ECWA countries with individual developed countries;
3. Identification of these products which are of export interest to ECWA countries, with a view to proposing measures for the expansion of trade of manufactures and semi-manufactures of ECWA countries to the socialist countries of Eastern Europe;
4. Identification of products covered by the Generalized System of Preferences which are affected by non-tariff barriers; and,
5. Proposal of concrete measures for the reduction and the eventual elimination of non-tariff barriers affecting the exports of the ECWA countries.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	24	-	24
General Service m/m	18	-	18
Travel	\$ 3,000	-	\$ 3,000

4.5.5. Trade Expansion and Economic Integration

Expected Completion Date: 1977. New.

Description:

Considerable work still needs to be done before countries of ECWA's region could achieve a relatively advanced degree of economic co-operation and integration associated with a substantial increase in the relative importance of intra-regional trade. A major study, to be completed in 1977, on trade expansion and economic integration in the region would cover the following areas:

1. Identification and analysis of existing bilateral and multilateral trade agreements in the region and an assessment of the rationale and performance of these agreements;
2. An evaluation of the impact of the above agreements on the proposed integration schemes; and,
3. Suggestions of alternative forms of co-operative agreements based on considerations of efficiency and equity consistent with the attainment of economic co-operation and integration.

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<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	24	-	24
General Service m/m	18	-	18
Travel	\$ 3,000	-	\$ 3,000

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5. INDUSTRY

5.1 Coordination of Industrialization Plans and Programmes

Expected completion date: December 1977.

Description: New development plans are being or will be formulated at the beginning of the biennium for Iraq (present plan 1970-1974), Jordan (present plan 1973-1975) Syria (present plan 1971-1975) and YAR (present plan 1973-1976). Substantial investments are planned for the next few years in the establishment of industrial enterprises. These as well as other programmes and project proposals will be analysed and presented in functional form with a view to determining possible areas of multinational co-operation in specific enterprises as well as overall co-ordination of industrialization plans and programmes.

As a result of these efforts it is envisaged to develop practical arrangements for continued co-ordination of industrialization programmes and the formulation of regional and multinational projects, particularly as regards major industrial enterprises and complexes.

Resources required:

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	72	24	96
General service m/m	48	12	60
Consultants	-	-	-
Travel	\$3,000	-	\$3,000

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Development of Branch Industries - I. Engineering

Expected completion date: December 1977

Description: The engineering industries are assuming greater importance in the industrialization efforts of the countries of the ECWA Region as they expand their industrial base and more into heavier and new industries, such as ship-building and road transport equipment. The planned survey and meeting of experts to investigate problems faced by the industrial branch as a whole and recommended measures to solve them will contribute to the further development of the branch and its related services.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	64 man-months	30 mm	94 mm
Consultant	9 man-months	-	9 mm
Travel	\$3,000	-	\$ 3,000
General Service	48 man-months	12mm	60 mm

5.3 Development of Branch Industries - II. Petrochemicals

Expected completion date: December 1977

Description: Substantial investments are planned in the petrochemical field in the oil rich countries of the ECWA Region as a result of the availability of raw materials, funds and the desire to diversify their sources of national income. Recently, OAPEC decided to establish a \$1.1 million fund for the development of oil-related industries in member countries. ECWA activity in this field is directed at assisting the countries concerned in achieving a co-ordinated and economical development of their petrochemical industries.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	48 man-months	30 mm	78 mm
General Service	48 man-months	12 mm	60 mm
Consultants	3 man-months	-	3 mm
Travel	\$2,000	-	\$ 2,000

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5.4 Development of Infrastructure - Training

Expected completion date: December 1977

Description: The promotion of training possibilities in industrial project formulation, evaluation and investment is urgently needed to provide national personnel with the necessary expertise to cope with growing investment possibilities in the region. Furthermore, follow-up action will be undertaken on the 1975 survey and meeting for a regional co-ordinating machinery of training needs and placement.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professions	32 man-months	12 mm	<u>44 mm</u>
General Service	24 man-months	12 mm	36 mm
Travel	\$2,000	-	\$ 2,000

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5.5 Public Sector Industrial Enterprises

Expected completion date: December 1977

Description: In a number of countries in the ECWA region public sector industries constitute a large part of the industrial sector whether as a result of national policies or the large investment of government funds in industry. These public sector industries are in one form or another integrated within the Government's administrative machinery which in some cases experience problems relating to co-ordination, flexibility and speed of decision-making necessary for the efficient running of the enterprises. The project aims at investigating the administrative and managerial set-up of public sector industries in selected countries in the region with a view to increasing their efficiency. The project will include a field survey mission to identify these problems and with the help of consultants formulate recommendations for the governments of the countries concerned.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals m/m	-	36	36
Consultants	-	12	12
Travel	-	\$9,000	\$9,000

5.6 Industrial Administration and Management in the Lesser Developed Countries

Expected completion date: December 1977

Description: Following an investigation into the industrialization problems faced by the Yemen Arab Republic, the People's Democratic Republic of Yemen and Oman during the biennium 1974-1975, it became apparent that one of the problems faced by the industrial sector was the weakness in the administrative and managerial field. The project will, during the biennium 1976/77, undertake a field survey of administrative and managerial problems of the existing industrial sector. On the basis of the survey recommendations will be made with the help of consultants for the most efficient use of the scarce administrative and managerial resources, including an investigation into possible forms of inter-sectoral administration and cross-enterprise management, which would pool existing resources and maximize their efficiency.

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Resources required:

		<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	m/n	-	18	18
Consultant	m/n	-	9	9
Travel		-	\$4,000	\$4,000

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Meeting requirements

5.7 Type of meeting(s) : Planning Meeting
Year : 1976
Title : Industrial Branch Development - Petrochemicals
Place : Beirut or Kuwait
Duration : 5 days
Number and type of participants: 30 Representatives of Government, regional organizations and consultants.

Justification: The meeting is required to bring together government planners and experts in the field of petrochemicals to recommend on the basis of a study prepared by ECWA specific arrangements for the co-ordination of investment plans and the formulation of regional and multinational projects in this field.

	<u>RE</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	\$ 4,000	-	\$4,000

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5.8 Type of meeting(s) : Promotional Meeting
Year : 1977
Title : Industrial Branch Development Engineering Industries
Place : Beirut or Baghdad
Duration : 5 days

Number and type of participants: 50 representative of Government and industry and international consultants

Justification: The meeting is required to bring together planners and experts from participating countries and international consultants to examine the status and problems of the industrial branch presented in the survey reports, exchange views on the solution of these problems and recommend measures and projects for the further development of the branch industry.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	\$ 4,000	-	\$4,000

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6. Social Development and Human Settlement

6.1 Social Development

6.2 Human Settlement

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6.1 SOCIAL DEVELOPMENT

6.1.1. Programme Development and Management

Expected Completion Date: Continuing.

Description:

a. Overall responsibilities of a continuing nature:

Management of the programme, including assessment, formulation and implementation of future plan of activities in the field of social development;

Reporting to the Commission for Social Development, on a regular two-year basis, on social trends and developments in the region and on work programmed and accomplished;

Participation in meetings and preparation of such briefs and reports as may be requested in the field of social development;

b. Review and analysis of the social situation and development prospects:

Review and assess the situation with regard to social development within the context of the International Development Strategy for the United Nations Second Development Decade;

Monitor progress in social development through quantitative and qualitative indicators and to develop appropriate social indicators for inclusion in the Annex to the annual publication of ECWA;

Review and analysis of the social situation in the region with a view to preparing ECWA's contribution of a regional chapter to the periodic Report on the World Social Situation;

Collect, analyze and disseminate information pertaining to social development as may be requested by Governments and others concerned;

c. Advisory services and substantive support:

Provide advisory services to meet requests of governments in the ECWA region in such fields as social policy and planning, social welfare and youth programmes, and women's programmes and social aspects of rural development;

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Provide substantive support to ongoing technical co-operation activities (such as the Kuwait Institute for Economic and Social Planning, the Hadramout Project in Yemen, and the Centre for Training and Applied Research in Community Development, Dariya, Saudi Arabia), including backstopping of United Nations experts in the field of social development;

Maintain contacts with Member States and National Institutes (e.g. the Institute of Social Work in Jordan and the Lebanese Centre for Training in Social Service and Development), and co-operate with the United Nations specialized agencies and other organizations with regard to social development programmes.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	24	-	24
General Service m/m	12	-	12
Travel	\$ 1,000	-	\$ 1,000

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6.1.2 Preparation of Youth for Development

Expected completion date : end 1977.

Description:

Actions and outputs

Specific activity will consist of (i) a regional statistical survey of youth in general and youth categories such as unemployed youth, school leavers, school drop-outs, labour market entrants in particular and availability of services to deal with such groups; (ii) surveying the existing institutional machinery for dealing with youth in all ECWA countries; (iii) an empirical investigation in a selected ECWA county on the needs and aspirations of youth concentrating on the process of gaining employment, utilization of skills, job patterns, structural extra-familial sources of job-counselling and job findings. Concrete outputs of the specific activity during budget period in terms of publications will consist of (1) a regional statistical survey of youth, youth categories and youth services (1976); (2) a regional survey of institutional requirements for youth development and youth participation (1976); (3) a report on developmental youth services: guidance, supervision, counselling; pre-career and pre-employment services (1977).

Outputs will constitute the working papers for an ECWA sponsored Seminar on Developmental Social Welfare in 1978 aiming, among others, at the formulation of an action programme for the preparation of youth in development in the ECWA region. Hence, ECWA's outputs will be action and policy-oriented and geared towards this seminar. Close co-operation will be established with UNICEF, UNESCO and ILO and relevant regional organizations such as ALECSO so as to avoid any duplication and to achieve maximum possible benefits.

Purpose: To guide governments, relevant national and regional institutions and organizations in the establishment of developmental youth services as a measure and means to achieve greater participation of youth and facilitate their effective integration in the production processes and in society.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	: 18 man-months	-	18 mm
General service	: 12 man-months	-	12 mm
Consultants	: 3 man-months	-	3 mm
Travel	: \$ 1,000		\$ 1,000

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6.1.3 Participation and Integration of Arab Women in
Industrial Development

Expected completion date: end 1977.

Description:

- (i) A survey of female activity rates in industrial sectors of the countries of the ECWA region;
- (ii) Investigations into selected industries regarding division of labour along sex lines, recruitment policies and practices, wage and salary scales structures;
- (iii) An empirical analysis in a selected ECWA country of the social factors impeding women to seek industrial employment and factors inducing women to take on industrial jobs requiring information on the educational level, training and skill of women employed in representative industries in the country selected for the study; attitudes and problems of women employed in such selected representative industries, particularly the problems of married women; the effects of women's occupation outside the home on family structures; the participation of women in trade union activities etc.

Concrete outputs of the specific activity during the budget period in terms of publications will consist of (1) A Social Survey of Arab Women in Industries in the ECWA Region (1976); and (2) An Assessment Report: Social Factors determining Women's Employment in the Industrial Sector in selected ECWA Countries (1977).

Outputs will constitute the working papers for an ECWA-sponsored Seminar on Developmental Social Welfare in 1978 aiming, among others, at the formulation of action programmes for the promotion of industrial employment opportunities for women. ECWA's outputs will be geared towards such action programmes. Close co-operation will be sought with the United Nations Centre for Social Development and Humanitarian Affairs, United Nations specialized agencies concerned with this issue like ILO and UNESCO, as well as with relevant regional organizations.

Purpose: To guide governments in the formulation of social welfare policies, programmes and projects including increased women's employment in the industrial sector.

To mobilize the private sector in establishing industrial welfare services for women. The specific activity will provide the governments with the necessary material on which to base the planning of services envisaged (budget objectives).

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Resources required: Professionals : 18 man-months
General Service : 12 man-months
Travel : \$ 1,000

6.1.4. Social Welfare Planning and Programming

Expected completion date: end 1977.

Description: Specific activity will consist of (i) compilation and collection of training material in social welfare planning and programming; (ii) progress report on social welfare trends in the ECWA region and assessment in relation to desirable regional standards; (iii) an analysis of social welfare needs in a selected ECWA country focusing on the nature and adequacy of social welfare services, re-orientation of existing programmes, redeployment of social welfare resources; the identification of disadvantaged and special groups and the formulation of package planning for such groups; administrative structures, training requirements, public and private sector role, financial targets, funds mobilization. Concrete outputs of specific activity in terms of publications will consist of: (1) A Regional Survey of Social Welfare Trends (1976), (2) An Assessment Report on the Needs for Social Welfare Services in selected ECWA countries (1977).

ECWA's outputs will constitute the training material for the proposed ECWA's Training Workshop in Social Welfare Planning and Programming scheduled for 1977. Information Exchange Results should be obtained through this workshop so as to finalize the first part of the Manual and Guideline for Social Welfare Planning and Programming.

Close co-operation will be established with the United Nations Centre for Social Development and Humanitarian Affairs (social welfare branch) and relevant regional organizations.

Purpose: To provide training material and impart knowledge on comprehensive social welfare planning and programming. Specific activity aims at the creation of expertise in this field in the ECWA region (budget objective).

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 21 man-months	-	21 mm
General service	: 12 man-months	-	12 mm
Travel	: \$ 1,000	-	\$ 1,000

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6.1.5. Drug Abuse and Drug Control

Expected completion date: end 1976.

Description: The specific activity consists of (i) a study and assessment of drug problems focusing on utilization of drugs by specific categories of the population, interrelationships between crime and use of drugs, traffic in drugs, drug abuse prevention and drug control measures and enforcement means. The general assessment should lead to the identification of the most important drug problems in the ECWA region and the measures taken thus far to deal with them.

Concrete outputs of the specific activity in terms of a publication consist of: Report on Drug Abuse Problems and Drug Control Measures in the ECWA Region (1976).

ECWA's output will constitute the working paper for an Ad hoc Expert Group Meeting on Drug Abuse to be organized by ECWA during 1976.

Purpose: To guide Governments in the region on the institution of drug abuse control measures, policies and programmes.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	: 12 man-months	-	12 mm
General service	: 12 man-months	-	12 mm
Consultants	: 3 man-months	-	3 mm
Travel	: \$ 1,000	-	\$ 1,000

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6.1.6. Social Aspects of Integrated
Rural Development

Expected completion date: end 1977.

Description: Specific activity will consist of (i) collection of data and information on the extent of popular participation in rural development projects in the ECWA region; (ii) evaluation of a cross-section of rural community development programmes and projects in the ECWA region; (iii) an analysis of the use of incentives for mobilizing rural population groups in community development programmes; (iv) study on the relationships between participation in and progress of rural development projects; and (v) a study of the social benefits of land-reform policies focusing on the type of beneficiaries of such policies and the impulses it has given to self-generated development in a specific land reform area, its effect on the class structure in this area and its impact on the rural exodus.

Concrete outputs of this specific activity in terms of publications will consist of (1) survey of programmes and requirements for the mobilization of rural population groups in development (1978); (2) an analysis of social aspects of land-reform policies and programmes in the ECWA region (1977). Close co-operation will be sought with the joint ECWA/FAO Division which pursues also the objective of integrated rural development. ECWA's output constitutes the working papers for an ECWA/FAO Workshop on Human Settlements in New Lands scheduled for 1979.

Purpose: To guide governments in the formulation and institution of incentives for greater popular participation in rural development projects and to develop actions to achieve greater social benefits of land-reform policies.

Specific activity relates directly to budget objectives since it aims at greater integration of rural development through popular participation and greater social integration of all sectors of the rural population group through land-reform measures.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals	: 21 man-months	-	21 mm
General service	: 9 man-months	-	9 mm
Travel	: \$ 1,000	-	\$ 1,000

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6.1.7 Social Factors as a Constraint on Absorptive Capacity

Expected Completion Date: and 1977.

Description:

a. Actions and outputs:

Specific activity will consist of (i) a study and assessment of social factors which act as a constraint on the absorptive capacity of the countries in the ECWA region. The assessment should suggest ways and means to deepen this absorptive capacity, which reflects the availability of administrative skills, and the efficacy of business and government organizations, as well as institutional, social, cultural and political factors. The absorptive capacity of a country limits the influence of availability of capital or other direct inputs upon the rate of growth.

Concrete output of the specific activity in terms of publication consists of; Report on Social Factors as a Constraint on Absorptive Capacity in the ECWA Region (1977);

b. Purpose:

To guide Governments in the region on the possibility of reducing the constraining influence of social factors on absorptive capacity.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals n/n	6	-	6
General Service n/n	3	-	3

Note:

This specific activity may be expanded into a multidisciplinary study to include inter alia economic factors impeding absorptive capacity. The activity in its broader version will be financed by extra budgetary resources. These resources are estimated as follows:

Professional	24 man/months
General Service	12 man/months
Consultants	12 man/months
Travel	\$10,000

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Meeting Requirements

6.1.3 Type of meeting(s) : Training Workshop.
Year : 1977.
Title : Training Workshop in Social Welfare Planning and
Programming.
Place : Beirut, Lebanon.

Number and type of participants: 36 to 50 social welfare officers from the
ECWA region. Number of substantive staff
attending: 3.

Justification: In so far as planning is interpreted as the translation of
categorized aims into specific targets, the delineation of priorities and
the provision of means, social welfare planning does not exist in the ECWA
countries. Yet, it is an essential requirement to achieve greater social
justice and integration into society of disadvantaged groups. No training
facilities in social welfare planning and programming exist in the ECWA
region. Hence the workshop fills an important gap in this regard. A
gradual introduction of social welfare planning is expected at the national
level as the outcome of the special training workshop.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	\$4,000	-	\$4,000

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6.2 HUMAN SETTLEMENTS

6.2.1. Programme Development and Management:

Expected Completion Date: Continuing.

Description:

a. Overall responsibilities of a continuing nature:

Management of the programme, including assessment, formulation and development of future plan of activities in the field of human settlements;

- Report to the Committee on Housing, Building and Planning and the Governing Council of UNEP on a regular basis, on matters pertaining to human settlements;
- Attend and/or prepare briefs and reports for meetings other than those organized by ECWA in the field of human settlements.

b. Review and analysis of developments:

- Review and assess the situation in the field of human settlements within the context of the International Strategy for the United Nations Second Development Decade (the mid-term review and appraisal of progress);
- Monitor progress in the development of human settlements through indicators and develop appropriate indicators with analysis for inclusion in the Annex to the annual publication of ECWA;
- Disseminate information pertaining to various areas in human settlements as may be requested by Governments and others concerned;

c. Advisory services and substantive support:

- Provide advisory services to Member states on matters pertaining to housing, building, urban and rural settlement and others when requested within the framework of the resources available for this purpose;
- Provide substantive support to ongoing technical co-operation activities in the countries of the region, such as the Jordan Housing Corporation, the Building Research Centre in Iraq and the Regional Planning Project in Saudi Arabia, including the backstopping of United Nations field experts in the field of human settlements.

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<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	24	-	24
General Service m/m	12	-	12
Travel	\$ 1,000	-	\$ 1,000

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6.2.2 Low-cost housing development
Part I and Part II a. and b.

Expected completion date: end 1977.

Description: Specific activity consists of (i) a regional survey of housing conditions, housing supply and housing demand; (ii) analysis of institutional requirements for housing development with particular reference to low-cost housing; (iii) a country study on housing needs, targets, priorities and investment criteria within the context of long-term planning for housing needs; (iv) studies on investment promotion in low-cost housing by the public sector. Concrete outputs of the specific activity during the budget period in terms of publications will consist of:

- 1) A regional survey of housing conditions, demand and supply, 1976;
- 2) A Report on Institutional Aspects of Housing Development, 1977;
- 3) Long-term Housing Planning in the ECWA Region: Priorities, Targets, Investment Criteria and Projections, 1977;
- 4) Housing Finance Mechanisms: Public sector. Outputs will constitute the working papers for a proposed ad hoc Working Group on Low-Cost Housing Promotion to be organized by ECWA in 1977.

Close co-operation will be established with the UN Centre for Housing, Building and Planning, the United Nations Environment Programme and the United Nations Conference on Human Settlements (Habitat 76).

Purpose: To guide governments, relevant national and regional institutions and organizations in the formulation of low-cost housing policies, programmes and projects and to promote increased resource mobilization for this purpose.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals :	32 man-months	-	32 mm
General Service :	18 man-months	-	18 mm
Consultants :	2 man-months	-	2 mm
Travel :	\$ 2,000	-	\$2,000

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6.2.3 Planned Metropolitan Development

Expected completion date: end 1977.

Description: The specific activity will consist of (i) a survey of metropolitan growth patterns and trends in Lebanon, Syria, Iraq and Jordan; (ii) a report and analysis/assessment of the institutional/administrative and financial problems faced by the City Councils of Beirut, Damascus, Baghdad and Amman focusing on planning machineries, management aspects and financing of metropolitan infrastructure; (iii) a regional study of national urbanization patterns and policies affecting the emergence of such patterns focusing on urban patterns under the different growth policies applied in the region and their implications.

Concrete outputs in terms of publications will consist of (1) a survey of Institutional and Administrative Requirements for Planned Metropolitan Growth, 1976; (2) Urban Distribution Patterns in the ECWA region under different policy options, 1977.

The survey of Institutional and Administrative Requirements for Planned Metropolitan Growth will constitute the working paper for an Ad hoc Expert-Group Meeting on Institutional and Administrative Aspects of Metropolitan Development to be organized by ECWA in 1976.

Close co-operation will be established with the United Nations Centre for Housing, Building and Planning and UNEP (United Nations Environment Programme) and the United Nations Conference on Human Settlements (Habitat 76).

Purpose: To guide governments, relevant national and regional institutions and organizations in the formulation of urbanization policies in general and on metropolitan development in particular.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals	: 32 man-months	-	32 mm
General service	: 24 man-months	-	24 mm
Consultants	: 2 man-months	-	2mm
Travel	: \$ 1,500	-	\$ 1,500

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7. POPULATION

7.1. Programme Formulation and Management and Expert Advisory Services and Support

Expected Completion Date: Continuing.

Description:

This specific activity aims at achieving some of the overall objectives of the population programme of ECWA. It will also help in the elucidation of programmes and in the formulation and implementation of regional and country projects in the population field.

The management of the programme comprises the following three main responsibilities:

1. Overall responsibilities of a continuing nature, including detailed planning of future activities, the preparation of reports and the organization, servicing and participation in regional and /or multinational meetings in the population field;
2. Review and assessment of current developments, including the review and analysis of the current situation in the population field in all the countries of the region, the collection, analysis and dissemination of information and the preparation of the Population Bulletin of ECWA, a periodical on population matters is used twice a year, in January and July;
3. Advisory services and substantive support, including the provision of technical advisory services to Governments, upon their request, and substantive support to UN technical co-operation programmes in connexion with strengthening civil registration systems and organizing population censuses and sample surveys, and maintenance of contacts with Member States and participation in regional and national activities in the population field.

<u>Resources Required</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professional m/m	72	36	108
General Service m/m	24	24	48
Consultant m/m	-	9	9
Travel	-	\$ 10,000	\$ 10,000

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7.2 Migration survey in the major cities of the
United Arab Emirates and Kuwait

Expected completion date: 1977

Description: In the Gulf States and Emirates, large proportions of the population consist of expatriates. The situation is particularly important in Kuwait and the United Arab Emirates, where the natives of these two countries consist of less than 50 per cent of the total population in each. Both Governments are very keen to encourage economic growth by permitting the expatriates to work freely but not to the point of losing the identity of the country. Both Governments are interested in undertaking a pilot survey on migration to determine the size, sex, age, nationality, marital status, occupation, level of education, place and duration of residence and other characteristics of the migrants. The findings will help national Governments in formulating the necessary population policies.

The project aims at determining the causes and effects of migration, with a special emphasis on the movement of educationally qualified persons among the countries of the region.

The project will start in 1975 and is expected to be completed in 1977.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	-	8 mm	8 mm
General service :	-	58 mm	58 mm
Travel	-	\$4,000	\$4,000

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7.3 Census Analysis - Country Profile

Expected completion date: 1977.

Description: The results of the 1970 census round in the region are being published by the Central Statistical Offices. So far the censuses of Kuwait and Syria came out. The census of the People's Democratic Republic of Yemen will be published soon. The census returns of the Yemen Arab Republic are expected to come out early in 1976.

The Population Division of ECWA will continue to assist countries of the region in the analysis of their censuses and in the preparation of country profiles.

Census data and the demographic parameters derived from them are essential tools for planning and policy formulations. This information will permit countries of the region to prepare adequate development plans and to formulate programmes and policies in the population and related fields.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals :	-	25 mm	25 mm
General service :	-	60 mm	60 mm
Travel	-	\$8,000	\$8,000

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7.4 Survey on the Demographic Characteristics of
Selected groups of nomadic populations

Expected completion date: 1977.

Description: In the Middle East large groups of nomads still exist, a factor which contributes to the difficulties of assessing the actual population. The nomadic population is often not clearly determined, either because of their modes of life or because they are undergoing partial assimilation or because they are outside the influence of the central authorities.

Substantial concern has been expressed with the problem of nomadic populations in a number of countries in the region and with its economic and social repercussions. However, no systematic and comprehensive analysis of the problem has yet been made.

This project constitutes an empirical survey on two or three different groups of nomads living in countries of the ECWA region with the aim of identifying some of their demographic characteristics.

The survey returns will help planners and policy-makers in identifying nomadic problems and in the formulation of appropriate policies.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	✓	10 mm	10 mm
General service :	-	25 mm	25 mm
Travel	-	\$ 4,000	\$4,000

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7.5 Survey on Intra-regional Migration in ECWA

Expected completion date: 1976.

Description: Intra-regional migration is caused by the difference in the level of education and economic development of the member countries of ECWA. Since the discovery of major oil fields in the South of the region in the early fifties this part of the area has been the focus and much of the driving force behind Middle Eastern economic development.

With the expansion of their oil-industries and the diversification of their economies the states of the Gulf have attracted a considerable flow of immigrants. They are, in the majority, skilled workers and technicians, responding to offers of higher wages and better employment possibilities.

Their influx constitutes an important stimulus for the economy of the country of destiny as well as a significant factor in the dissemination of modern skills and values. Furthermore, the mobility of a growing part of the labour force will affect the demographic situation in the host countries as well as in the home countries, changing the size and composition of the active population, influencing consequently the social cost of the population and the economic growth rate of the countries concerned.

The patterns of migration are subtle and vary constantly in response to external factors, such as the situation in the home country, and in response to internal factors, such as attitudes to immigrants amongst host governments who tend to segregate the immigrants through legislation or institutional barriers preventing their assimilation and integration in order to preserve the status of the indigenous population. Other variables are equally important and include the level of development achieved, the size of the country and the location of the receiving country vis à vis the migrant's source.

The explanation of the pattern of migrant flow and of its causal factors would be of considerable help in evaluating the local, regional and international impacts of the phenomenon of intra-regional migration and in predicting and, if necessary, influencing future trends.

Remark: The project will be implemented jointly by the Population Division and the Development Planning Division of ECWA.

<u>Resources required:</u>	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Professionals :	-	10 mm	10 mm
General service :	"	15 mm	15 mm
Travel	-	\$4,000	\$4,000
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7.6 Socio-Demographic Survey of Hodeida and Taez
in the Yemen Republic

Expected completion date: 1977.

Description: In 1972, a socio-demographic survey was jointly implemented by the then UNESOB and the Government of the Yemen Arab Republic in order to obtain data for planning and policy formulation.

This survey was considered as a pilot exercise for the census and for estimating its cost and personnel requirements. In 1975, ECWA will organize in co-operation with the Government, the same type of survey in Hodeida and Taez. The survey will start early in 1975 and the results are expected to be ready early in 1977.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Professionals :	-	7 mm	7 mm
General service :		20 mm	20 mm
Travel	-	\$ 906	\$906

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7.7 Study on nuptiality trends and patterns in
selected countries in the region

Expected completion date: 1977.

Description: The 1970 round of population censuses has provided some information on nuptiality, which will be compiled and analyzed by a consultant in order to determine the nuptiality trends and patterns in countries of the region. This study is of particular importance for the determination of fertility trends and for the formulation of appropriate policies in the population field.

	<u>XB</u>	<u>TOTAL</u>
<u>Resources required:</u> Consultants	: 9 man-months.	9 man-months

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7.9. Meeting requirements

Type of meeting(s) : Expert Group Meeting.
Year : 1977.
Title : Expert Group Meeting on Census Analysis.
Place : Beirut, Lebanon.
Duration : 5 days.

Type and number of participants: Two government officials from each of the twelve countries served by ECWA will be invited to attend.

Justification: This Expert Group Meeting is planned with the purpose of making available the views and experiences of experts in the field of census analysis, expressed on a regional platform in order to benefit all member countries. The discussions will reveal relevant problems of research and action in regard to the analysis of census results and will influence the decision of governments to carry out national projects of census analysis. Analytical studies of population census results are essential, particularly as they relate to important national problems of economic and social development and to questions of national demographic, economic and social policies.

	<u>RB</u>	<u>XB</u>	<u>TOTAL</u>
Estimated Cost	-	\$32,500	\$32,500

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Meeting Requirements

7.9. Type of Meeting(s): Regional Seminar, year: 1978

Title: Seminar on Regional Co-operation in the Population Field

Location: Beirut

Duration: 5 days

Type and number of participants: Two government officials from each of the twelve countries served by ECWA will be invited to attend.

Number of substantive staff attending: 5.

Justification:

The Regional Seminar will be attended by Senior Officials from the National Population Committees, which by 1978 are expected to be in existence in all the countries of the region. The meeting will be a forum for the participants allowing them to voice the problems their countries face in regard to population, and it will also offer them the opportunity to exchange views and experience. The reunion of government officials and experts in the field of population can do much to overcome handicaps such as shortage of technically trained personnel and of experience in demography and related fields which affect the development of needed demographic data, research, experimental work and programmes of action relating to population problems in many countries of the region. Furthermore, the Regional Seminar will demonstrate the interdependence of interests of all the Member States and will facilitate concerted national actions and co-ordinated policies in the field of population, strengthening the relations among the Member Countries and raising the level of activity in Western Asia.

Meeting Requirements

7.10 Type of Meeting: Regional Population Conference. Year: 1979

Title: The Second Regional Population Conference of ECWA.

Location: Beirut

Duration: 11 days

Type and number of participants: A delegation consisting of 3 senior government officials from each of the twelve countries served by ECWA will be invited to attend.

Number of substantive staff attending: 15.

Justification:

Conferences are one way of focusing attention on different aspects of the population problems and of expediting the implementation of national population programmes and policies. The First Regional Population Conference of countries of the ECWA Region which was held in Beirut, Lebanon between 18 February and 1 March 1974 recommended that Regional Conferences be held at five years intervals, endorsing the idea of a quinquennial regional review and discussion of population programmes and action. The Conference will provide high level training through the exchange of knowledge and experience, it will broaden the impact of national programmes and will highlight issues centering on population trends and structures which are relevant to all countries of the region and to the regional community. By means of this conference the Member States of ECWA will realize their interdependence and mutual interests and they will succeed to discern a common strategy concerning population activities.