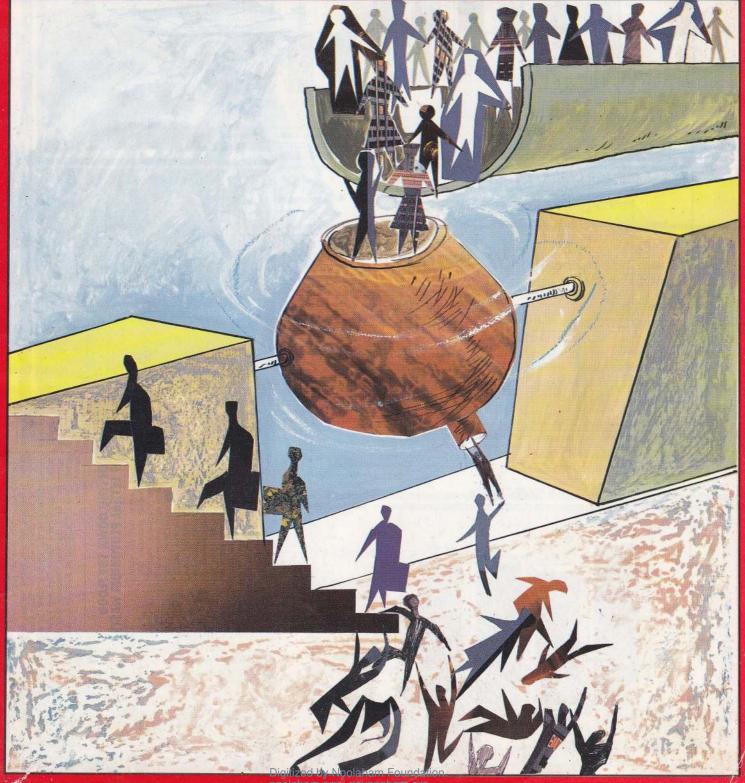
ECONOMIC REVIEW

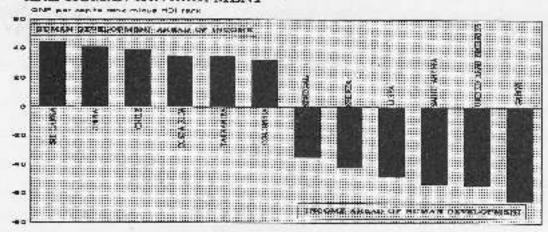
HUMAN RESOURCES DEVELOPMENT



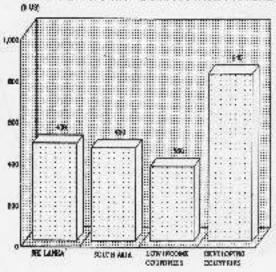
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HUMAN DEVELOPMENT - PERFORMANCES

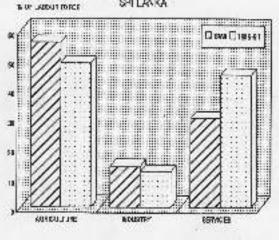
THERE IS NO AUTOMATIC LINK BETWEEN INCOME AND HUMAN DEVELOPMENT



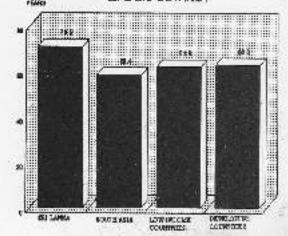
GNP PER CAPITA - COMPARATIVE PICTURE



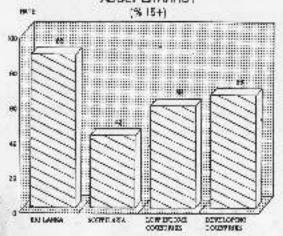
EMPLOYMENT by sectors



LIFE EXPECTANCY



ADULT LITARACY



Source: Human Development Report 1993.

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THE ECONOMIC REVIEW is intended to promote knowledge of and interest in the economy and economic development process by a many shiel presentation of views & reportage, facts and debate, THE ECONOMIC REVIEW IS a community emonie project of the People's Bank. its contents however are the result of ed true of considerations only and do not necessarily reflect Bank policies or the official viewpoint. Signed feature a flicting also are the personal elews of the authors and do not represent the his little to reach of they are attached Similar contributions as well as comments and viewpoints are welcome. THE PROYON O REVIEW is published. morin y and is evidable both nositis ripthio and on direct sale.

Next Issue:

- Economy of Sri Lanka Recent Tremis
 - Macro Economic Development
 - Income Distribution and Poverty
 - Monetary and Fiscal Policy Development
- A Preventive Approach to Reduce Urban Air Pollution
- Rice Self Sufficiency and Food Security

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Balance speet of human development - developing countries

HROCKESS.

DEPRIVATION

Life Expectancy.

- s: Average lift; expectancy it reason by over the third during: Of the 300 willion people above the specific only 20% lives the past three dedades: 29 countries have selficised a life expectancy of 70 years and more.
 - any form of income security

Health and Sanitation:

- In the developing world, more than 70% of the population trag access to health services.
- Nearly 50% of the population has bacess to sanitation.
- About 1-4 million people die every year If din infectious and omastic theeses, such as diaminga, malaris and tube
- More Man 80% of the 12: 12 million HIV intected people are in the developing world, and the cumpledive direct and malkect cost of AIDS during the past docade was mound \$30 billion

Food and Nutrition

- Between 1965 and 1990, the number of countries that met their dally per capita calone requirements doubled from about 25 to 50.
- a. Some 800 million people still do not get enough food.

Education.

- Primary songol enrolment increased in the past two decades: Jigar liss then 20% in the same period. Secondary enrolment elimost doubled hour jess than 25% to 20%.
- Nearly one billion people 35% of the adult population are still filterate, and the drop out rate at the primary levels still as high as 30%

Income and Poverty

- than 7% a year thiring life 1980
- o ip Smith and Bast Asia: where two thirds of the developing . Almost and third of the total population, of 1.3 billio waids population live, the CNP growth averaged mote: people me in exisabile povers.

Children:

- During the past 30 years, intant and under are increases. rates were more than halved.
- Ench doy, 34,000 young children still die from malduittion and diseas

Women.

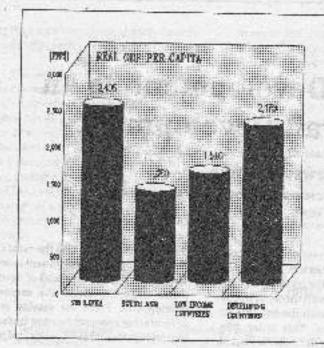
Human Security

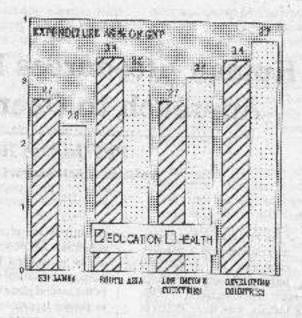
- With the end of the cold war developing countries no longer. have to serve as proxies for superpower rivalry, and in 1990, about 380:000 refugees refurred to their homelands in Asia, Abica and Latin America
- Internal conflicts afflict some 60 countries, and about 35 nullion people are refusees or internally displaced.

Environment

- The percentage of rural funities with access to sale water has increased from less them 10% to a most 60% during the dast two decailes
- More than 850 million peptile live in areas that are in various stages of descripication.
- The rate of tropical forest destruction is about the equivatent of one soccer field per second.

Source: Human Development Report, 1993





HUMAN RESOURCES DEVELOPMENT Theory and Practice

Recent years have witnessed a sluft of priority in development and growth with the expansion of Human Resources Development (HRD) activities in most developing countries. The earlier preoccupation with the development of physical resources has given way to "people's choices", recognizing the importance of human resources as a major contributing factur to economic growth. During the last two decades, not only policy makers and plunners but management teams of lending organizations, also have been involved in human resourceled development. They have locussed more attention on skills, knowledge and heitaviour of people, as creating a capaciity to mobilise and organise non-human resources considered more important for accelerating grawth.

The general approach to human resources development is to identify areas of economic activity which are sentously handicapped due to shortages of technical, professional and skilled man power and to induste necessary measures for the development and tomining of strategically important manpower. The efficient use of available human resources is based on the assumption that connemic growth is attributable more to human capital formation.

The investment in human resources, therefore, refers to direct translation in education and training and in the helter organization and indibation of framan resources.

Although human resources development became a new style of managing growth in the modern era of commute development, many doubts have been rated about the achievement of deliberate expansion of human resource investment, as many developing economics have falled to change their competitive advantages from continoutly and other low-skill inbour intensive products to more skill - miensive goods and services. Extremely low level of investment on human resources development is considered as the main reason for the underdevelopment of skills and technology.

According to the Haman Development Repeat, developing countries spent more than 25% of their GNP through the budget, yet devoted less than one tenth of this to human development priorities such as education and health. As a result, human resources in many developing countries are utilized mainly for the productions of primary commodities, with a very low absorption capacity. Jewas also observed that glassif markeps

make developing countries less economic opportunities worth around 8500 billion. annually - ten times what they receive in for eigh assistance. The trend unfolding is likely to be more complex as problems. of poverty and intemployment are increasing despite increased investment on huncin resources development. The shortages of technique, professional and occupational skills constitute the most formidable bottlenecks in the successful implementation of economic and social development. The development of humun resources through education, and vocational training, should therefore he accorded a very high priority in the future planning of economic development. However, the trend in hunani resource development shows a dichotomy helween. the theory and practice with the emergence of a global labour force moving towards attractive market places. It is against this backround that the theory and practice of human resources development should be analysed.

In the following sections, the conception framework of human resources development is presented with a theoretical analysis of various fundamental issues involved in understanding the complexity of the approach. Secondly, the Sri Lanka case is presented with some practical implications of human resources development.

Human Resources Development as an Approach to Overall Development

Buddhadasa Hewavitharana

Professor of Economics, University of Peradeniya

t the very outset it is necessary to clear up a possible confusion in respect of terminology because the term human resources development, or HRD, to use its initials, has three different usages standing for three different concepts. In its conventional use which came into vogue from the 1950s, the term HRD replaced the original term labour to accommodate qualitative changes in labour arising from education, training, skill formation and health improvements. This is the human capital concept. Of late it has become fashionable among big firms to rename personnel development as human resources development. Underlying this is the concept of personnel management. Mention may also be made to the term human development (without the word resources) which has been publicised by the UNDP since 1990. It is based on the concept of enlarging people's choices by making development more democratic and participatory and has given birth to a body of methods for reviewing, measuring and monitoring progress on these lines.

My topic, HRD, connotes differently from these, although it has many ideas and features in common with the UNDP's human development concept. What is under discussion is the "grant strategy" for human resources development evolved by the ESCAP at its 1988 conference and promulgated as the Jakarta Plan of Action for HRD. It consists of one hundred and six action proposals, classified under six operational categories, for transforming into practice certain basic principles of HRD that have been adopted through a consensus. In the manner it has been presented it is simply an agenda for policy formulation, programming and implementation showing very little by way of an explicit theoretical construct. J.M. Keynes writing the preface to his General Theory said that its purpose was to deal with theory and only in the second place with the application of theory to practice. This order gets obviously reversed in the Jakarta Plan of Action for HRD when it leaves it to the future to deduce the logic and to infer the theory from the guidelines to practice that it has offered.

The Core Concepts

The first step, therefore, is to identify and clarify what might be construed to be its conceptual underpinnings. The centre of the conceptual framework may be taken to be the fundamental duality in the human factor signifying the facts that the humans are the beneficiaries of development and are also the most critical input into that development process. The former signifies the **end** of development, while the latter, the **means** of development. From the duality arises several other concepts bearing far reaching implications for both policy and practice.

If the emphasis is on the "means" aspect, then the development action will be associated with investment in economic instruments and a strengthening of the economic dimension of human resources, implying the human capital approach to HRD. If, on the other hand, the emphasis is on the "end" aspect, then, the development action will be associated with a promotion of consumption and a strengthening of the social dimension of human resources, imply-

Fundamental Duality in the Human Factor

Means of Development (most critical input into development)

If Means aspect is emphasised-- it is associated with investment in Economic Instruments

and
Strengthening of the Economic
Dimension of Human Resources
implies
The Human Capital Approach

The New Perspective-

- Treat the two sides as an Integrated Whole
 Warranting
- A Balanced Development of the two sides
- A Holistic Approach to HRD, to formulate
- A Grand Strategy of a Single, Integrated and Unified Process of HRD.

End of Development (beneficiaries of development)

If end aspect is emphasised-- it is associated with Promotion of Consumption

and
Strengthening of the Social
Dimension of Human Resources
implies
The Social Development (Human
needs) approach

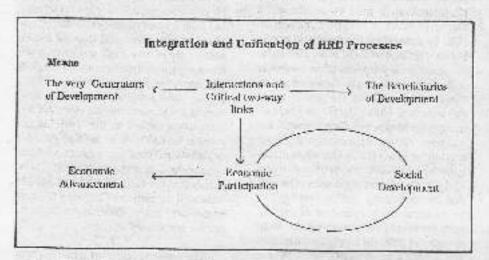
ing the social development or the human needs approach to HRD.

The new perspective of HRD treats the distinctions between encland means and between economic and social dimensions as being only analytical ones. For practical purposes it is possible to viewall of these aspects and dimensions as belonging to one integrated whole warranting a hobitic approach to HRD and to formulate on that basis the grand strategy of a single, integrated and unlified process of homein resources development.

become the maximally effective HRD strategy by exploiting these interactions and the critical two-way links.

There are, however, certain conceptual and practical difficulties obstructing the way. It has been enstonant to treat the economic dimension and the investment aspect of HRD as "active", as found in development models with human capital formation as an element, and the social dimension and the ron sumption aspect as "passive", as in the freatment of aggregate consumption as a "residual" in some marks economic planning models. means proposed for this transformation are inspired by the possible direct implications of quality of life improvements for development, as in embanding the productivity of housan capital, and their possible indirect implications for development, as in previding both capacity and incentive to individuals in develop their capabilities by overcoming the obstacles they face.

Arranging a judiciously balanced development between the economics dominated human capital approach and the social wellars dominated human needs approach is a importance for transform ing the "passive" into the "active". The determining factor here, of course, is the strategy of an appropriately balanced budgelary allocations between the two aides. Its importance can be highlighted by painting to two types of unsutisfactory country experiences. In some countries, a strong human capital orientation bas been associated with low attention to critical quality of life issues resulting in manpower bottlenecks, law productivity growth and see of instability. Evidently, In these countries social development has been treated from a consumption perspective, and for that reason, the finances allocated to it have been in the nature of a 'residual' dependent on the performance of the economy. On the other hand, in certain other countries, strong social development approaches are observed to have led to serious hadgetary problems and desappointing econonde performances. Such on outcome may have been due to varying reasons. such as, the indirect and long-term nahave of the contribution of social welfare to economic growth, the ineffectiveness. of social welfare measures of the aimplistic type and the dependency syndrome of



What is the loss of proposing that the two sides with such differences should be integed to form a single process? The integration and the militation of the HRD processes towards fulfilling the strategy are to be achieved by giving hill recognition to the interactions and the critical two way links between the roles of human resources as the beneficiaries of development and as the very generature of such development.

The supporting arguments are, that economic advancement is not possible without a firm social base because social development of humans Jespecially, the disadvantaged ones), impacts on their economic participation, and, that social progress cannot be considered to be a simple straightforward outcome of coanormic growth becomes the economic participation of humans' impacts on their social development. It is a case of mutual reinforcement between the economic parlicipation and the social development. especially of the disorbantaged population groups, leading to a greater economic advancement. The holistic and integrated approach to HRD seeks to

The logic of two-way links between these two dimensions and aspects, however, rejects the traditional dichotomy between actively productive economic instruments of development and supposedly passive consumption oriented social objectives of development. More than that the integrated LED strategy in fact attempts to ensure that the supposedly "passive" dimension gets transformed into an "active" one un the basis

Economic Dimension - Investment Social Dimension-Consumption

Active Passive

le.g. development models with formation (contemption as bouson capital formation) "(contempt an planning models)

Actively Productive
Economic Instrument Transform Supposedly passive amanoption octemes (contempt and contempt a

of the earlier noted key strategy of mutually reinforcing processes of social development and economic participation. The social services which dampens personal initiative and weakens the incentives for work. Such countries encounter prob-

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lems of finding resources to sustain large social welfare expenditure because output growth tends to lag behind the resources needed to support such expenditures. In both these types of country situations the solution that is invariably adopted to deal with the ensuing budgetary problem is the resort to a residual approach to social development.

These residuals are in the last analysis dependent on the success of human capital expenditures which by now have become less productive owing to the very same decline in the expenditures on the complementary quality of life improvements. In this way a pattern of circular causation in which both human capital and quality of life get weakened, taking turns, can set in. Eventually, social development expenditures could become less of an integrated element of longterm targets of development and in this process social development policy would tend to be divorced from economic policy. The strategy of a balanced development between human capital and human needs addresses these complicated issues. It bases itself on the argument that outlays for improving quality of life should not be perceived as consumption oriented unproductive social expenditures. to be undertaken at the expense of productive investments, but as outlays for transforming the beneficiaries of such expenditures into active and innovative agents of development and, therefore, as essential investments for supplementing and reinforcing investments in human capital and physical infrastructure. The aim of this strategy is to ensure a pattern of allocation of funds for the two purposes that would rescue social development expenditures from the status of a residual and make them an integral element of long-term development programmes. In this way it hopes to reunite social development policy with economic policy.

Implementing HRD-Maximum Impact With Limited Resources

The issue of operationalising HRD and that of optimising in the context of resource constraints need to be taken together and discussed as an amalgamated issue. The reason is that for a grand strategy to be practicable and effective, it must in its very design contain a number of approaches and manipulative mechanisms that are capable

of producing the maximum possible impact on human resources with limited budgetary resources. Mindful of these imperatives the integrated HRD strategy has equipped itself with strategies based on the principle of selectivity for ensuring cost-effective implementation.

(I) The Integrated-Thematic Approach

Under this approach the focus is restricted to those elements and components of HRD that have been judged for a country to be the most critically important ones for the development of its human resources. In selecting them, special attention is paid to an element's ability to effect a holistic approach to HRD by generating the Strongest possible interactions with the other elements. For functional purposes these elements and components can be classified under three interdependent themes of equal consequence. Under the theme Employment and Manpower Development are included all the elements and issues pertaining to access to employment, income and productivity, skills formation and labour market dynamics. The second theme Science and Technology has as its aims, the preparation of the human resources for absorbing the technologies of different levels, the invention and adaptation of technologies to suit the labour proportions and meet the development needs of a country and by these means, spread a technology culture across society. It encompasses the key issues in science and techincal education and technology development. The third theme. Quality of Life Issues, envisages coordinated strategies in an unusually wide range of key quality of life sectors, including culture and environment, to improve the quality of life and by its means raise productivity as well.

Since the constituent elements of these themes are closely inter-related, the thematic approach is predicated on the planned and full exploitation of this network of inter-relationships and complementarities. None of these elements is new. What is new is that they are coordinated in a unified integrated approach to HRD policy making and planning with a focus on the role of humans as both a critical input and the ultimate beneficiaries of the development process. This integration is best facilitated if emphasis were to be laid on those elements of HRD which are capable of producing the strongest of interactions and synergistic relationships. All types of education and training, for example, show very high scores of interfaces, complementarities and synergistic linkages with the other elements of HRD. Hence education and training have earned for themselves the status of key integrating factors in the thematic approach to HRD. It is in the possible exploitation of the complementarities and synergistic linkages among the HRD elements that the earlier noted strategy of a balanced development between the economic and social dimensions finds its actual operational content.

The implication for budgetary allocation and programming is that the investments in the different elements of HRD have to be combined in appropriate proportions or else the complementarities and the linkages among the elements will not get exploited in full. A disproportionately low allocation of funds for one element, for example health, may be too small to produce a major impact and may even have negative consequences on other elements of HRD, such as education and employment. These consid-

The Integrated - Thematic Approach Employment & Man-Science & Quality of life Technology Issues power Development Literacy - Primary Education **Employment** - Science & Technical - Education (various Creation types and levels) Education - Primary health- Technology Inventions, Innovations, Adaptations - Health & Family - Income Generation - Increasing & Applications Planning - Housing Productivity - Vocational Training Nutrition Urbanisation Manpower Develop-Culture ment & Planning - Environment

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A mathematical formulation of the human development index

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crations point to the need for a ranging an appropriately balanced development of the different elements of FRP by means of carefully planned budgetary allocations and appropriate programming.

Il needs to be realised further that a restructuring of hudget priorities neces siloted by and in conformily with the pattern of priorites under the themselfe approach would improve the efficiency of spending on development by bringing about a more destrable mix of economic and some) development expenditures. The allocations and reallocations of resources that are necessitated for fulfill ing the requirements of the integrated thematic approachare in farl potential mechanisms for increasing the unpact while reducing costs. Promising such potentialities are the deliberate allocations in favour of improving productivity

in small form and rottings and small industries sectors and other jabeur-intensive production sectors, and the deliberate reallocations of resources: from outsilve to primary health-core, from highly framed dectors to para-medical personnel, from urban to much services, from general to vocational education, from tertiary education in primary and secondary education, from formal sector to informal sector, from expensive housing to low-cost housing etc.

It is now obvious how the integrated thematic approach also becomes a strategy for producing the maximum possible impact on human resources within given budgetary and resources constraints. When mutually supporting and mutually reinforcing HRD policies and programmes are formulated within the

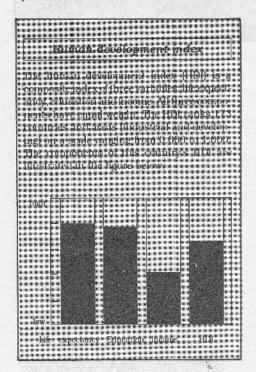
framework of the I Tapproach they would generate synergistic binkages and multiplier effects and exploit the complementarities so as to create in the end a total impact that would be greater than the sum of the effects of any actions taken individually and separately on these elements. It means that the impact on hintan resources that can possibly be created by adapting the approach would be more than merely the annionits component parts.

Such petentiallies as are attributable to the I-T approach stand in contrast to the relative ineffectiveness of adhae or presental efforts at human resources development alter found in under developed countries. For examples, employment and manpower development are considered separately from the development planning processes and are

treated as a by-product rather than an integral element of the development strategy; separate and specific programmes for poverty alleviation guaranteeing employment or for satisfaction of basic needs are implemented without realising that the problems of inequality and poverty are unlikely to be overcome in the absence of carefully coordinated strategies and programmes. The implication is that the commonly found programmes addressing specific fundamental development objectives such as, eradication of absolute poverty, full employment, universal basic education, universal access to secondary education, vocational training, national self reliance in science and technology, satisfaction of basic needs and people's participation are likely to produce better results if they were to be implemented in a coordinated manner within the framework of an integratedthematic approach to HRD. This is because the integrated-thematic approach accommodates all the relevant policy interests and expertise areas in HRD and promotes the linkage, spread and multiplier effects of a coordinated set of programmes.

Institutional Arrangements Required

It is now evident that a thematic approach necessarily implies an integrated approach, and an integrated thematic approach in turn necessarily implies an inter-sectoral approach because



the different elements of HRD come under different sectors or their respective sub-sectors. Typically, HRD plans and programmes are developed sectorally and implemented by sectoral agencies. To satisfy the requirements of an integratedthematic approach, however, much of the planning, programming and implementation should be done inter-sectorally and in a coordinated manner. It should be noted that the institutional arrangements for the inter-sectoral approach and its inter-sectoral coordination contribute to the cost saving and the impact maximisation aim of the I-T approach by improving the deliveries to the beneficiaries and by facilitating a fuller exploitation of the complementarities and the linkages among the sectorally conceived programmes. Inter-sectoral planning and implementation will be facilitated by an inter-agency coordination because there are many agencies and institutions belonging to the public, private and NGO sectors engaged in HRD work. A coordination among them could lead to an improved mobilisation of resources by exploiting the complementarities and to a rational use of resources by preventing any overlap in the activities and eliminating thereby the wastages of resources. Besides, as pointed out by the Human Developemnt Report of 1991, NGOs are able to provide some HRD services at much lower unit costs than the public or private sector agencies. In these several ways the institutional mechanisms needed for the I-T approach make their own contributions to a maximisation of impact with limited resources.

(II) The Target-Group Strategy

In this strategy too, the principle of selectivity is observed at the expense of comprehensiveness in its attempt to maximise impact with limited resources. The method adopted is the prioritisation of the development of the human resources of the disadvantaged sections of the society, such as, women, children under the age of five years, the rural poor, the urban poor, scheduled castes and tribes and isolated communities. These may be adopted as target groups for the I-T approach to HRD. The target group ideology is to tap the resources of such groups in order to improve their quality of life so that it will in turn lead to a rise in their economic participation and productivity. The rationale for giving priority to these groups is that costeffectiveness of HRD programmes is highest with them and, therefore, they are a means of obtaining maximum impact under a resources constraint. The targeting of disadvantaged sections of society maximises cost-effectiveness of HRD in four ways.

First, it economises on the outlays on HRD by directing them to selected population groups instead of spreading them wide across the entire society.

Secondly, it reduces the high costs associated with human resources under-development among women as manifest in high rates of birth and infant mortality, low life expectancy, low levels of literacy and also reduces the impact of such costs on the other aspects of HRD.

Thirdly, it is the disadvantaged groups that can be expected to generate the highest social rate of return, especially the highest long term rate of return, on investments in HRD. Even small investments in their favour could result in disproportionately high improvements in their human resources implying that the development of the human resources of these groups is crucial. Such improvements will not only enable the attainment of a minimum quality of life but would also stimulate and accelerate economic growth by the enhancement of human productivity via education and training and release of human productive capacity via programmes in health, nutrition, family planning etc.

Fourthly, the social rate of returns can be further enhanced by adopting an additional sub-strategy of making appropriate investments for the development of the human resources of groups of persons identified to be "key target groups". The strategy here is to stimulate the particularly sensitive variables in HRD and to trigger off the generators of multiplier and spread effects. There are persons who have the ability to put investments in HRD to best use not only for themselves but also for the development of other priority groups and sectors. They are in a position to generate strong multiplier effects to benefit others. Thus the development of women's human resources; for example, can be considered to be a key investment in human infrastructure, because of its high potential for spreading multiplier effects through the family to improve the human re-

som cas of numer britanal valnerable segfacous of the community as in improving the human resonance of the succeeding generation through improvements in children's health. Social returns from investments in women's human reactings may take the forms of reduced fertility, reduced infant mortality, lower school drop-out rates, improved family nutrition and lower population growth rale. Desides women, there are other greens who could qualify to be key target groups' because they have the gotential to extern their near horizon resources development to other manabees of the community through multiplier effects such as employment creation, denoted are then and a promoting of social participation. In these four ways the larget group strategy maximises unpact with him ted resources by economising on authors on ERD, eliminating certain costs of under-development of hisnon resultines and maximising accidreturns to intestments in HRD.

The larget group strategy provides operational content to the ideals of egolilocianism, social institutional disadvantaged scattorism the society who stand to hench most from HKD by writing of the argency of their needs and by optimising the distribution of the benefit solihoman resources development among the broad moses.

(III) The Demand-Oriented Strategy

With dismission aged sections of society, the usual supply focused HRD pregrammes may not be able to achieve much distributive justice decouse of the many economic, socio-cultural, psycholagical and physical obstacles to their participation in URD and to their effectore utilisation of the means of HRD so supplied. Thus it is commonly observed that despite the existence of policy and planulag infra structure for HRD and the availability of landines for HRD, the quality of the human resources of the disadvantaged groups of uninstrelancely unin-proved. The solution to this problem is the sub-strategy of a demand orlettled approach to HRD which seeks to arrange an appropriate balance between supply side and demand aide auproaches to HRD. Its aim is la simulate or create a demand among the attented persons for upgrading their own human resources by raising community and individual awareness of the opportunities

for and benefits of HRD, and enabling them to overcome the socio-cultural and when constraints that reduce their demand for HRD. This is to be achieved through measures to affect the values and attitudes that determine such demand. By bringing in the demand admited approach to HRD, the Jakacta Plan of Achievis making a unique contribution to HRD as found in its sectoral integration and its simultaneous memporation of the demand and supply as peets of the role of HRD.

Institutional Arrangements Required

Implementing a demand-oriented sub strategy requires the use of several denoral stampating or creating insiruments sustained by cerbon institutional. arrangements. Enablers in groups or asindividuals can be used to catalyse HRD. among larget groups, mobilise popular participation and ensure that programmes reach the intended groups. Community. programmes, volunteerism are among the immortant institutional means of stimulating demend for HRD among disadvantaged sections of the society. Inter agency coordination for field operations at micro level, as already noted is a cost-effective measure and a means of maximising impact on each target group. He relienale is that while allowing atternative mechanisans of HRD to Emirish arrange for a planned distribution of roles. in HRO among the agencies and institutions in the public, grivate and KGO sectors so that individual initiative will be given full rein, overlap in the activities. will be prevented, complementarities will be exploited and community and private resources will be mobilised to supple ment public resources. The new concept developed by the Jakarta Plan of Action for Inter-agency coordination of HRD 19 making the NGOs and private seeing institutions serve as active partners of public serior agencies. It contrasts with the traditional concept which regulied only completiventary approaches by them.

Popular parlicipation at local level planning, programming and feed back processes in HRD and bottom up plan uling" are potentially effective institutional arrangements which can be harnessed in support of the demand or ented approach. Devolution of power and decentralisation of implementation are necessary to create a congenial institu-

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tional framework for popular participation to flourish.

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These institutional arrangements may also be viewed as mechanisms for moreasing impact while reducing costs. More decentralised and participatory approaches increase the efficiency of the utilisation of existing resources by improving the delivery system, making product economics, reducing unit costs and by encouraging private initiative in both the financing and delivery of services. Involving community and self-help

schemes are proven methods of reducing costs and eliminating waste. The involvement of NGOs, as noted earlier, could result in a supply of services at low unit costs by means of a use of cheaper technologies.

Can the Integrated-Thematic Approach to HRD be Regarded as an Approach Also to the Overall Development of a Country?

There are several grounds for arguing that the integrated - thematic approach is qualified to be regarded as an approach to overall development or at least that it relates very strongly to it.

First, at the stage of development policy making itself, the integrated-thematic approach can play a very constructive role in resolving long-standing development policy dilemmas. The conflict between the qualitative objectives of output growth and social welfare has for long engaged the attention of policy makers and development planners. The discussion on "growth with distribution" that commenced in the 1970's after the disappointing experiences of the UNO's first development decade, was an attempt to find a via media in the context of this dichotomy. The integrated HRD strategy as it unfolds itself through the foregoing analysis not only provides body and soul to this discussion but also seems to surpass it by indicating possibilities for "growth through distribution" This role emerges in a sharper profile in resolving another long standing conflict between qualitative objectives; the one between economic growth and social justice or distributive equity. In this context, it should not be noted that the target-group strategy provides operational content to the ideals of egalitarianism, social justice and distributive equity. By raising the status of disadvantaged groups who are normally denied their due share of the means of HRD, it brings into balance the concerns for equitable distribution of opportunity with those for the fullest possible development of the individual potential. What is of significance here is that this very same strategy which contributes to productivity increases and growth by optimising the use of resources, maximising social returns, upgrading the quality of labour and generating spread effects and multiplier effects is simultaneously promoting social justice and distributive justice. The thematic approach attempts to resolve the above conflicts and also the one found in output growth versus employment by advancing the unified "two in one" HRD objective. The very centrality of its role in resolving these central issues in national development policy making and planning should be given its due weight.

Secondly, even greater importance should be attached to the new definition of the development objective it has introduced. It is a landmark in the history of economic development thought. Thinking about economic development started half a century ago by equating development with the growth of the industrial sector following the model of historical development of the West. Later it switched over to equating development with the growth of output not just of one sector but of all sectors (GNP) in the light of the shortages of all types of goods and services experienced during the population explosion of the 1950's and 1960's. This definition was in turn replaced by equating development with economic growth plus social development in the light of the disappointing results of the UNO's First Development Decade and thanks to efforts of many to develop indicators to measure social progress. The integratedthematic approach takes economic development thought beyond this third stage of its evolution by making social development play, not just an additional role, but an integral role in development and growth. In this fourth stage of the evolution of economic development thought, the objective of the development of the human factor is to improve the living conditions of human beings and make them better productive agents in a mutually supportive manner. By this definition the objective of the development of human beings is made to overlap with the objective of output growth over a wide range of cumulative growth, making the new HRD approach a major approach to overall development.

Thirdly, the very extensiveness of the coverage of development issues by the thematic approach should be given some weight. While it encompasses all issues in social development, it directly covers the wide range of issues in economic development and growth falling within the purview of the three themes. Furthermore, it is seen to encompass indirectly through spread and multiplier effects many of the important dimensions

of overall development. Therefore, by virtue of the extensiveness of its coverage alone, it can claim to be regarded as an approach to overall economic development rather than as just one of its components.

Fourthly, the I-T approach can be evaluated from the perspective of the growth-oriented aggregate production function. Of its five variables that determine output (GDP) growth, the variable science and technology is regarded as the most dynamic one. Since it constitutes one of the three themes, many of its issues are the direct and the deep concerns of the I-T approach. Likewise, all issues in the human resources variable in the aggregate production function, including population, which is its most dynamic aspect, are of course the central concerns of the thematic approach. Organisation, institutions and socio-cultural factors constitute another variable, but its issues are seldom specifically or separately addressed in development plans. The Jakarta Plan, however, explicity assigns to it crucial strategic roles and tries to manipulate it purposively to carry out specific tasks. So much so, that many of the integratedthematic processes are institution-propelled. On the variable natural resources, the thematic approach can have a significant impact through its concern over issues in environment under quality of life and through some of its other concerns as well. The thematic approach in the course of being implemented will be exerting a strengthening effect on the remaining variable, capital, by causing a decrease in its under-utilisation and an increase in its productivity, as the efficiency of labour, capital's cooperant factor, begins to rise under the impact of the various sub-strategies and programmes.

Fifthly, the programmes of the I-T approach have far reaching implications for the coefficients, the parameters, the ratios and the functions in the economic development process and the planning procedures: in concrete terms, the capital labour ratios, the capital output ratios, the rate of saving, the investment pattern and priorities and project appraisal and evaluation procedures. Since the macro-economic variables are determined or governed by these, the I-T approach gets empowered thereby to indirectly influence the behaviour of these variables.

Finally, it needs to be remembered that the I-T approach with its potentialities for maximising impact with limited resources offers itself as a cost-effective means of human resources development as well as of overall development.

Obstacles to the Adoption of the I-T Approach

For an approach with mulicul ideas of this sort to get adopted, a strong political coninclaired to it is required. There is a problem here, because the very people who are its would be beneficiaries can neither articulate a strong demand for HRD nor exercise much political cleat on ils behalf. For the advocacy of the growth. objective, there are the ranks of the copitalists and the investors. For simplistic welfare and redistribution programmes, agitation would be readily forthcoming from the political parties. especially the ones that happen to be in the opposition. For it to gam in acceptance, the l-Tapproach has to necessarily look towards the thinking and philasa phising abilities of the intelligentate, the professionals and the spiritual and cultural leaders and the approxim makers of the society. The responsibility devolves on them to initiate the discussion, keen the discourse alive, refine the arguments through research and experimentation. improve its credibility and spread that message.

Although the I-T approach to HRD thay not be incompatible with some althe existing development models, cerbain technical issues may stall abstract its adaption as a key planning concept. From a national development point of view it would be necessary to delineate the functional relationships between HRD conceived as a problem solving concept and the national development problems that have been prioritised, such as slowness of growth balance of payments problems, low productivity, rural underemployment etc. The planning instruments needed by such a planning procedure based on the centrality of HRD are vet to be defined, and as long as that is the case, the centrality of HRD in the national development eliarl and its patential role as a leading source of growth would not be fully appreciated.

Obstructing the devation of the I-T approach to the status of a key planning concept is the lack of well developed lechniques for measuring the long-term

and the indirect economic and social returns on investments in HRD, including their non-perumany benefits. The dilbertly would continue to exist, therefore, for the appraisal and evaluation of projects in general and more specifically, for the assessment of rates of returns on alternative investments in HRD and on such investments directed towards alternative population groups.

Yet, given a preparedness for radical thinking and an agonised search for development alternatives much of the spirit and the key features of the LT approach may get incorporated in development plans, purely for pragnistic reasons. A case in point is the remarkable policy document entitled "Towards Social Transformation - Approach to the Eighth five Year Plan 1990-95" brought out by the Indian Planning Commission after a brainstorming session in June, 1990.

Another impediment is that investments in ERD are of a long-term mature with long gestation lags, whereas the planning done in most of the countries is with short or mechaniterm time honzons. Where there has been a switch over to long term planning however, as recently witnessed in Bangladesh, it has become possible to adopt the I-T appreach to fIRD as a near-central planning concept, purely an pragmatic grounds. Thus the nutbors of the Fourth Five Year Plan of Bungladesh, 1990-95. the first singe of a twenty year plan, have prepared a plan which is nearly compatible with the Jakaria Plan of Action. without being well acquainted with it. (i. demonstrates that the I-T approach does not really stand in the way of the search for viable development alternatives.

Evaluating the Philosophical and Ideological Contents of the New HRD Concept

Elloris at development there have been, but in many of such revent experiences, a limited human relevance and narrowly defined development goals are abserved to have lostered materialistic values and an individualistic climate. In association with these there have been a marginalisation of some sections of the societies and a persistence of mass poverty even where the GNP had doubled. With this as the diagnosts of the present crisis in development policy, the dakorta Plan of Action for HRD has initiated a

new discourse to bring the human factor to the centre of the development process with the new perspective of "putting a human face on development".

Prima large, there ta reason therefore to examine the new HRD concent in relation to the humanistic protest that has surfaced in recent times and to evaluate it in terms of the philosophy of humanism. Erith Fromm, the most arliculate proponent of New Humanism. holds that the development of the economic system is no longer determined by the question of what is good for man, but what is good for the growth of the system. The protest here is against the dehumanisation of the social character and the rise of industrial and cybernetic religlous and the pleaus for a society centered not around things but around persons. The I-T approach to HRD makes the same diagnosis, ledges a somewhat singlar protest and makes the same sort of plea. As regards corrective action also there are some ideas shared in common by the two lines of thought Lewis Mumberl, a leading proponent of Humanism, advocates decentralisation and institutional arrangements for the cunning of the economy and the society. Under the I-Tapproach, as noted earlier. the processes of human resources development, and through them the development of the economy, will be largely propelled or godded by institutions. Again. the I-T approach is congruent with two of the five main ideas for building a new economic and social order put forward by the post-Marxian radical humanists. These are the ideas concerning the individual being an active not a passive participant in social life, and the relation between man and nature being one of cooperation and not of exploitation. It should, however, he moled that with regard to the remaining three ideas there is either only partial agreement or no agreement.

From these points onwards, however, there is a parting of the ways between the I-T approach and humanistic philosophy. This becomes evident in the definition of the objective of developing the human lictor. In the I-T approach it is to improve the living conditions of human beings and make them better productive agents in a minually supjective manner. The principle underlying this is the imperative of nature that

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men must of necessity become good productive agents or else they cannot survive. To Erich Fromm this would not be acceptable as a definition of the end of human development because it is conceived at the mundane level and it is too contextual. In his perspective, the fact that man is the end of development has been lost sight of in every sphere. Man in increasing his power over matter, to solve what he calls the production problem. has become enmeshed in the network of the means and has "lost the vision of the end". Man, he says, has lost sight of the most important and fundamental questions of human existence - what man is, how he ought to live and how the tremendous energies within man can be released and used "productively". In this perspective, the attempt of the I-T approach to define the end of HRD has to be regarded as a visionless one.

Humanistic ethics is about the art of living that enables man a full development of his productiveness. Following from this is the thesis that the life-style and the consumption pattern adopted by man can lead to either his well-being or his ill-being. Consumption pattern and preferences are social phenomena in the sense that they are imposed on men by the society. In the words of the Buddha, "purtsassa kamo sankappa rago" - "man's sensual desires are only attachments to concepts". To Erich Fromm and E.F. Schumacher, such conceptualised consumption and life-styles give rise to irrational strivings and cravings and these in contradiction with man's real interests result in pathogenic consumption and a pathogenic way of living. In modern life therefore "ends themselves have a shadowy and an unreal existence". Now, the I-T approach advocates an increase in consumption for the disavantaged sections of society, but beyond that it is neutral as to what should be the production goals, the life--style and the consumption pattern of the society as a whole. It cannot and does not relate life-styles to man's optimal well-being because it has no discourse on either of them. For this same reason it is silent on New Humanism's idea that maximum consumption should be replaced by sane consumption.

New Humanism's and Kadical Humanism's diagnosis of the present malady extends to the psychology of man, revealing that man's character traits are engendered by the socio-economic system, leading to a pathogenic way of living. Pleading, therefore, for a profound psychological change in man, (a radical inner-human ethical change), Fromm advocates a characterological and spiritual change while Schumacher urges a development of the spiritual culture. The corner-stone for these pleas is found in the Buddha's teaching "mano pubbamgama dhamma mano settha manomaya" - "mind is the forerunner of all component things, mind is chief and all things are of the mind". In this context there is a perceptible incompleteness in the HRD concept because it is neither

explicit nor specific about the nonphysical and non-material aspects of the development of man. While its concern over cultural life is brief and devoid of any specific programmes, its reference to spiritual life is only tokenistic.

While the radical humanist economist E.F. Schumacher pleads for a value-based development of the culture of the inner-man, the radical economists Mark A. Lutz and Kenneth Lux argue for a sovereignty of political, moral and spiritual values over economic life. In their perspective, economics should promote human welfare by recognising and integrating a full range of basic human values. The I-T approach is not concerned with such normative issues. Indeed, it aims to change existing values, but only those that obstruct social participation and economic advancement.

It is evident that despite some common grounds, the thoughts in the new HRD concept and in Humanism inclusive of radical economics are of different categories and at different levels. Still, taking fully into account the difficulies of integrating humanism with the development processes at the present juncture, there cannot be much doubt that all humanists and radical economists would join together to say about the new HRD concept that here is at least a beginning to a good thing.

[Courtesy: Central Bank of Sri Lanka]

Human Resources Development in Sri Lanka - A Macro Perspective

Sudatta Ranasinghe

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Eging a developing country aspiring to neclear the status of a newly industrialized country. Sri Lanka can benefit from her educated youthful labour force the orgh a sound human resources development policy. However, the existing imbalance in the labour market manifested by the problem of educated youth unemployment suspect that the country has falled in producing the kind of management that meets the needs of the economy. Insu context where there is a serious task of polesnolic human resources planning, the present trend of predicting large numbers of educated unemproject is likely to continue. Hence, there is an argent need to whitees the key issues related to human resources planning and development.

Introduction

his paper intends to take a broad overview of the status of human resources development in Srt Lanka with a ylew to identifying the key issues related to human resources development and their policy implications. The paper will briefly examine the garrent labour market imbalance with particular reference to employment and unemployment and the system of human resources decelopment in Srt Lanka.

A glimpse into Sri Lauka's economic performance during the past lew decades would reveal, that the country has achieved relatively low economic growth although there had been remarkable achievements in terms of development bidicutors such as ble expectancy, infant mortaltly etc. The welfare oriented development pathy which resulted in several achievements in terms of social development underwent a stenificant change in early 1979 with the infroduction of economic liberalization and the open economic policies. In 1998, fifteen years after economic liberalization, the country is still confronted with the problem of educated youth unemployment where the opagarily of amenaployed rio not. enjoy much prespects of securing gunful employment in the industries and services in modern sectors of the securing which have benefitted from the open scannonde policy.

As revealed by the Annual Report of the Control Bank of Sri Lanka for 1992, the country has achieved a real growth rate of 4-3 percent and GNP per capita grawth rate of 3.5 percent in 1992. The GNP per capita at cutrent prices was in the region of 494 US dollars with a mid year population of 17.41 million. The data also show that again of the GDP, while the manufacturing and services seniors have constituted 18.5 percent and 5.1 percent respectively of the GDP in 1992.

The data on economic trends reveal that there and been a negative growth in the agricultural sector where the importry of the labour force is engaged. Retailively high growth rates have been recorded in respect of the manufacturing sector (3.0 percent), construction sector (7.0 percent) and the services sector (5.3 percent). In the case of the services sector growth has taken place matriy in the transport, communication, traffic and

banking and financial services. The to lock of data it is difficult to establish the extent to which the high growth sectors have contributed to an increase in employment. However, the growing unemployment among educated rural youth, seem to singlest that rural youths do not enjoy match access to a limited number of jobs created in certain high growth sectors such as trade, communication banking and financial services.

sign commencement to be for the larger

It might also be important to note that some of the state sponsored major development protects such as the Muhaweli Scheme. Urban development programme etc. had come to an end towards the end of 1986, which means there were no prospects of creating large scale employment opportunities for ruful youth after the end of the decade. The programme of privatization of public enterprises vigorously promoted by the govensurent may also have had some negative effects on the extent of new employment generated in such enterprises. Against this background let us consider some issues relating to human resources. development in Sr. Lanka.

Labour force composition and growth trends

According to the census of population conducted in 1981, Sri Lanka had a population of 14.85 million. This represents a six fold increase within a time span of 110 years. In the late 1980's Sri Lanka's population growth nate was extnoted at 1.4 percent and by 1982 the population growth rate had come down to 1.0 percent with an estimated population of 17.4 million.

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The age composition of the population show that Sri Lanka is endowed with a young population as 46% of the population was under 19 years at the census of 1981. The sectoral distribution of the population show that 72% were living in rural areas, 22% in urban areas and 6% in the estate sector which covered large scale tree crop plantations.

The data on labour force growth and male, female participation rates presented in Table 1 show that Sri Lanka's labour force (i.e. those who are gainfully employed plus those who are available for work) had grown simultaneously with the growth of the population. Between 1946 and 1981, the labour force has almost doubled. During the period 1946-53 the population has increased at 2.8% per annum while the labour force has increased at 2% per annum. Between 1953-63, the population growth had averaged at 2.7% per annum, and the rate of growth of labour force had been 1.5% per annum. During the period 1963-71 the rate of population growth was 2.2% per annum while the rate of growth of labour force was 3.3% per annum. In the 1970's the rate of population growth was 2.2% per annum, while the rate of growth of labour force was 3.3% per annum. In the 1970's the rate of population growth had declined to 1.7% per annum, and the rate of labour force growth had come down to 2.7%. The gradual decline in the rate of growth of population has been attributed to reasons such as increased acceptance of family planning, increased educational attainments, urbanization, increased labour force participation and postponement of marriage among youth in the age group of 15-34 years.

3. The Structure of Employment

The data on the growth of employment since early 1950's suggest that Sri Lanka's record on employment generation is very poor. During a period of 25 years between 1946 and 1971 only 1,038,000 jobs have been created in the economy, which means that the growth of employment had averaged around 1.6 percent per annum. During the same period, the population growth rate had averaged around 2.6 percent and the growth of labour force had averaged around 2.3 percent per annum. (Korale, et al. 1983, p.52)

TABLE 1

	Labour Force	Growth an	d Partici	pation Rs	ites (1946-19	981)	
	Title of Survey	Labour Force	Part	Participation Rate (%)			
		('000)	Total	Male	Female	('000)	
1.	Census of populatio-1946	2,611	39.2	37.8	18.2	2,612	
2.	Census of population-1953	2,993	37.0	53.1	18.9	2,993	
3.	Census of population-1963	3,464	32.7	49.8	14.2	3,200	
4.	Labour Force survey -1968	4,150	34.6	50.7	17.2	3.674	
5,	Census of population-1971	4,488	35.4	50.7	19.1	3.649	
6.	Survey of Labour Force participation Rates -1973	4,560	34.4	48.5	20.2	3,767	
7.	Labour Force & Socio-economic survey-1980/81	5,715	37.3	53.1	21.2	4,851	
8.	Census of population-1981	5.105	33.8	49.8	17.1	4,119	
9.	Sri Lanka Labour Force survey - 1992*	5,820	48.1	65.9	29.6	4,860	

^{*}Excluding Nothern and Eastern Provinces.

There has been a slight improvement in the growth of employment during the period 1971 - 1981. In this decade the rate of growth of employment had been in the region of 2.7 percent, and much of this growth has taken place in the post 1977 period due to the economic impact of trade liberalization and other development programme launched by the government. (Korale, 1986: 102). Between 1978 - 1982, about 200,000 new jobs have been created annually and this has helped in easing the burden of unemployment to a certain extent.

The data presented in Table 2 shows that the male population had constituted a greater share of the employed while the female unemployed have out numbered the males in 1992. Among the employed, females accounted for 24% in 1953 and this had dropped to 20.5% at the census of 1963. According to the census of 1971, females accounted for 22% of the total number employed indicating no significant change in the sta-

tus of female employment over a period of 9 years. The estimates of the Sri Lanka labour force survey of 1992 shows that the females have accounted for 25.7 percent of the employed, and nearly 53 percent of the unemployed respectively. However, since these estimates do not include the Northern and Eastern parts of the island the data need to be treated with some care.

The data on the distribution of employed population by industry sector presented in Table 3 give some idea of the structure of employment in the country. According to the table, the predominant position enjoyed by the agriculture, forestry and fishing industry sector has undergone only a little change since 1953. Upto the census of 1971, the agriculture sector has accounted for 50% of the total employment which had dropped to 45.2% at the census of 1981. The Labour Force Survey of 1992 shows that employment in the agriculture sector had further declined to 39 percent. According to the

table, employment in the agricultural sector had increased from 1.58 million in 1953 to 1.9 million in 1992 signifying an average growth rate of about 1.0 percent per annum over a period of nearly 40 years. Compared with the growth of population and the labour force during the some period, the rate of growth of employment in the agriculture sector appear to be very law.

As home out by the data given in Table 3 the share of the manufacturing sector in total employment has increased shightly from 9% to 12% during 1971 -1981. Although one expected the manufacturing sector employment to grow at a faster rate in view of the incentives provided by successive governments to industrialists, the actual number of this erested in modern industries including those within the free trade zone came mowhere near the expectations. Since also gregated data is not available it is difficult to comment on the distribution of employed population between different industrial sectors. However, one could absence that employment in the small hidustrials octor has suffered cortala drawledge due to the liberalized trade policy introduced in 1978.

- According to Table 3 the wholesale and reloil trade sector and the commuulty, social and personal services sector have arcounted for 11.5% and 16.0% respectively of the total number emplayed in 1992. As compared with the employment share of these two sectors. in 1981, the growth of employment in the two sectors over the ten year period seem to be marginal. The extent of employment in the tourist industry had also come down by almost 50% since the spread of communal and political violence in the Island which began in 1983. Since 1990, employment in the tourist industry has begun to increase with the upward movement of fourist arrivals. However, specific data or, employment in the tourist industry are not available. There has been a reasonable improvement in the employment share of the construction unjustry sector over the last ten years. The tricreuse in employment in the consignation sector can be allributed mainly to the large scale infrastructure development projects undertaken by the government after 1978. The employment share of the transport storage and communication industry acctor has remained around 4.0 percent during

TABLE 2

Labo	ner For	ce. Em	ployme	nt & Lie	emplay	ment b	y Ser		
Year & the	Lahna	Porce	(00%)	Emp	ioped (1	000)	to	aej ngalogja	ot .
Strang	7591	Mote	Penado	Tutal	Mah	Petrvile	Total	Michi	Fernide
Census of papers latten 1953	2,008	2.236	724	2,093	2.256	721	n and	III LEA	deling
Census of paper latten 1983	3,464	2,742	722	3.200	2 548	897	204,070	100 400	65.49
Labour Porce Survey 1966	4.150	3,156	n94	3.674	2.835	83%	404.200	312)00	152,20
Census of Popus Intion, 1971	4.446	3.312	1.176	3,649	2,676	611	530.204	471.005	365.19
Labour Force & Secto-economic scovey 1900-81	5.715	4,100	1.006	4.851	2.023	1206	857,368	D03.207	353.96
So Lauka Labour Force Souvey 1902		4.063	1,701	4,697	3.007	1.250	905,901	450,005	510.29

^{*}Excluding Northern and Eastern Procinces.

Source: Ministry of Plan Implementation, Ecoplayment and Manpower Planning Deutson.

TABLE 3

Distribution of Emp	loyed Popula	tion by Inde	stry Secto	r (In Thous	ands]
Sector	Cerusius 1863 No. 1964	Census 1963 No. (%)	Cunsus 1971 No. NG	Census (1981 No. (%)	Labour Force Survey 1992
1. Agriculture Forcety &	1584.1	1681.9	1828.0	[863,8	1,905.3
Habling	[52.9]	(52.5)	(50.0)	[45.2]	
2. Mining & Guscrying	B.C.1 (6.0)	P.4 (0.3)	13.1 (0.4)	38.6 (0.9)	118.3
Rientricity, Gas & Water	3.3 (0.1)	7.8 (0.2)	9,6	16.2 (0.4)	175.7 (3.5)
4. Manufacturing	289.2	292.3	3.39.4	415.8	640.1
	(9.7)	(9.2)	(0.3)	(10.1)	[13.0]
5. Construction	- 567	85.1	103.6	124,8	261.9
	(13)	(2.7)	12.81	(3.9)	(5.0)
6. Wolesale and Retail	282.8	349.1	343.5	434.3	557,6
trade	(9.4)	(10.9)	(9.4)	(10.5)	(11,5)
7. Transport, Storage & Communication	(304,3	137.6	178.9	198.8	207.5
	(8.5)	(4.3)	(4.0)	(4.8)	(4.0)
8. Pinance, lostrance, Real	65.1).6.15	24.9	4.5.6	51.8
Estate & Businesa Services	(2.2)	(0.5)	10.7)	(1.1)	(1.7)
Community, Social & Personal Services	.896.2	44(1)	492.8	506.7	816.2
	(13.2)	(13.6)	(13.5)	11.4.51	(16.00)
10. Activides not discribed	197.8 [6.6]	175.4 (5.5)	313.9	385.8 (9.4)	245.1 (5.0)
11. All Economic Agricutes	2903.3	3195.1	3646.9	4119.3	4,657.6
	(100.0)	(100.0)	(100.0)	(100.0)	(hxt.a)

Source: Causan Data and Consumer Phasics Survey: 1981 (Kerale, 1986 - 194 Dept. of Causus and Statistics. the last decade. Among the modern sectors of employment an appreciable increase in employment has taken place in electricity, gas and water services sector while in the finance, insurance and real estate sector, the share of employment has not recorded a noteworthy increase over the last ten years.

The occupational distribution of the employed population is given in Table 4. According to the Table, the workers in agriculture, animal husbandry, forestry and fishing have accounted for 45% and production and transport workers have accounted for 29% of the total number employed in 1981. The employees in salaried employment who are classified under professional and technical, administrative and managerial and clerical and related categories have accounted for less than 12% of the total. A noticeable increase in the number employed has taken place in the professional and technical, and clerical categories between 1971 and 1981. This could be attributed largely to an increase in public sector employment of teachers, nurses and clerical grades who are classified under these two categories.

Sri Lanka Labour force Survey 1992 (second quarter) report which classified the employed population by industrial sector and occupational groups revealed that over 27 percent of the employed population were skilled agricultural and fisheries workers, 23.7 percent were engaged in elementary occupations (probably as unskilled labourers), 16 percent were craft and related workers, and about 9 percent were sales and service workers. Those classified as managers and professionals accounted for 3.7 percent and 4.7 percent respectively. Among the employed a little over 2 percent were classified as technicians and associated professionals, and nearly 3 percent have been classified as clerks. About 5 percent belong to the category of plant and machine operators and assemblers who were engaged mainly in the communication sector.

A detailed breakdown of Sri Lanka's manpower in terms of skills is not available. The data that is available in respect of different professions and skilled worker categories are based largely on estimates that have been computed on the basis of numbers employed in the public sector and organized private sector. The data

TABLE 4 TO THE MESS SEE THE PROPERTY OF THE

Major Occupational	19	63	197	1	1980	0/81
Group	No. (00	0) %	No. (000) %	No. (00	0) %
1. Professional & Technical	142.7	4.5	178.5	4.9	269.2	5.5
2. Administrative & Managerial	32.9	1.0	14.0	4.0	25.5	0.5
3. Clerical & Related	118.4	3.7	186.1	5.1	274.1	5.6
4. Sales Workers	212.2	6.6	272.4	7.5	396.0	8.2
5. Service Workers	259.6	8.1	198.0	5.4	265.4	5.5
6. Agriculture, Animal husbandry, Forestry & Fishing	1653.6	51.7	1782.1	48.8	2191.2	45.2
7. Production, Transport & Labourers	739.7	23.1	926.4	25.4	1415.4	29.
8. Workers not classified	40.6	1.3	91.5	2.4	14.8	0.3
9. TOTAL	3799.7	100.0	3649.0	100.0	4851.4	100.0

Source: Population Census 63 & 71 Labour Force & Socio-Economic Survey 80/81

presented in Table 5 give a fairly accurate picture in regard to the number of trained manpower as at 1982 and the projected demand for selected occupations for the period 1983 - 1991. The table does not include engineering and similar scientific professions. However, on the basis of numbers employed in government and other institutions and the number trained by the universities and high level technical training institutions annually, it might be possible to arrive at a guess estimate to place the high level manpower in engineering and related professions in the region of 5,000.

Other categories of skilled manpower are included in professions like accounting, law, surveying, architecture, dentistry and veterinary medicine in respect of which no accurate data are available. Like in the case of medicine and engineering those qualifying in the above fields also secure employment in public and private sector institutions initially and few years after gaining experience some of the professionally skilled manpower tend to leave employment for private practice or to migrate abroad for better prospects. Thus, a relatively high level of mobility among skilled manpower has made it difficult to build up a sound data-base in respect of skilled manpower in the country. One could however, observe that, in certain professional categories there are shortages of skilled manpower while in certain other categories such as legal profession there is a surplus of manpower. Also, no reliable estimate is available so far to indicate the annual demand for skilled manpower and the level of supply in order to establish precisely the number of skilled manpower in different fields that is in short supply. One might, however, note that due to lack of placement opportunities, highly skilled manpower such as engineers and doctors remain unemployed or under-employed for sometime after passing out from Universities.

4. Characteristics of unemployment

Unemployment has been a major problem in Sri Lanka for well over two decades. As indicated by the data presented in Table 6, the number unemployed which was estimated to be in the region of 340,000 (around 10% of the labour force) in 1960 had risen to 558,600 (14.3%) in 1969/70 and passed the one million mark (20 - 25 percent of the labour force) by mid 1970's. At the census of 1981, the unemployed population amounted to 895, 143 (18 percent of the labour force). As estimated by the consumer Finance and Socio-economic survey of 1981 - 82, the number unemployed stood at 604,640 signifying a considerable drop in the rate of employment from 18 percent in 1981 to 12. percent in 1982. However, by 1986 the rate of unemployment had gone upto 14 percent. The figures given in the table refer to openly unemployed population and hence do not give an idea of the

TABLE 5

	Distribution	от мапро	war in S	elected	Occupati	t bus and	ne Proj	ect Den	lazed.	16.4	
Occupation	Total Number 1982	1983	1984	19/85	Add1	11anat 1987	11 e m c	n n d 1989	1990	1997	Total Numbe
Medical Doctors	4.984	600	800	600	.600	000	1910	15(0)	825	650	f982 5475
	5.355	250	250	250	275	10.100					
Agurvedic Physicians Teathers	153.463	5750	8000		9250	. 275 .	275	300	300	300	2475
		27,044		6000		(1250)	6500	6500	7000	7000	57250
Nurses	11,048	1150	1.050	1.150	1150	1150	1150	1150	1150	1150	111350
Book-keepers	10,300	500	550	550	550	600	600	600	850	650	5250
Sterographers	9,420	TUSU	1050	1 1001	1(50	1000	1000	1000	1060	1050	19450
Typesta	12,400	1050	LIDG	1150	12(8)	Tudo	1000	1000	1000	1000	9500
Masous	17,500	30.00	20020	3250	3250	3000	3000	3250	3250	3050	28250
Carpenters	15,500	2700	2700	2900	2900	2400	2500	2000	2700	2700	24000
Tombers	1,000	140	1411	1.50	150	150	150	175	175	175	1405
Welders	6.700	450	450	450	450	450	175	476	475	475	4150
Hiacksmitte	6,000	275	276	275	275	200	200	200	200	200	2100
Electrical Witchen	4,400	475	475	50,00	500	400	400	4(6)	450	450	4050
dotor Medianics / Repairmen	40,600	2100	2100	3100	2100	1900	1900	1900	10:00	1000	17300
Jeavy Vehicle Drivers	3,150	400	400	400	3500	3503	350	2001	400	400	3,500
rnfessional Midstyres **	4,019	101	na	Hak:	14.0	11.8	164)	11.4	13.01	15.0	11-8
Placrimidals	3,535	31.24	na	21.4	trae	11.0	21:3	11.34	11.0	n.a	11.8
Barbers & Hatrilressers	12,134	21.8	11-1	11.11	n.a	11.8	11-8	11.14	11.0	11.3	10-8
Fariti Machinery * Operatora	4.511	li-st	11-31	ti.ii	That	11.n	nat	na	113	31.56	n.a
dachine tool • Operators	8,648	na	H.A	n.a	36.8	u.a	0.7	n.a	fi a	n.a	13.3
Aschlor Fitters & • essemblers	G,395	0.6	26.34	0.0	ma	tjun	uat	13.3	n.n	ŋ.a	ita
lewellery Makera •	10,070	LL:R	n.a	15.0	0.9	H dt	11.0	11.4	n.a.	ша	n.a
Irick layers - and Tile setters	50,705	12,12	tist	11.4	n.a	na	fi.a	11,0	n.a	23-38	n,a

Cousus of Population 1971 **Cousus of (Equilation 1981 Source: Employment and Margower Florming Distainer Ministry of Flor Implementation.

extent of underemployment which has been estimated to be around 20 - 25 percent of the labour force.

It has been estimated, that in the years ahead, between 160,000 - 105,000 job seekers will enter the labour force annually. If one include the backing of unemployed which was in the region of 900,000 in early 1960's a total of 2.4 million jobs will have to be created if Sri Lanke is to achieve full employment by 1990 (Radrigo et al. 1967:259). However, going un life basis of past records

which indicate a poor level of manpower absorption in the leading sectors of the economy, creating even 150,000 jobs annually to absorb the new entrants to the labour force seem to be a foo ambitious target.

The Sri Linka Labout Perce Survey of 1992 had estimated the unemployed population at 0.96 million. This comprised 0.45 million 146.8% males and 0.51 million (\$5%) females. The survey revealed that the cural unemployed accompled for 0.77 million, while the urban

the employed accounted for 0.19 million. The survey (which excluded the Northern and the Rostern Provinces) estimated the rate of unemployment at 16.59 percent.

The labour lorce survey of 1992 revealed that the logicest rates of unemployment were found among the youth in the age groups of 15 - 19 years and 20-24 years. The survey also revealed that 23.6 percent of the unemployed persons had passed the G. C. E. JO. L.J or NCGE. and unemployment tend to increase as

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the level of education achieved increases. Thus the problem of unemployment seem to be more critical among the educated youth.

It has been observed that the unemployment problem in Sri Lanka reflects an overall imbalance between the supply and demand for labour as well as a structural imbalance where the type of jobs available in the economy do not match the job expectations of those who are unemployed (ILO, 1971). A study on job expectations among unemployed rural youth also observed that the job expectations of youth are significantly correlated with their educational attainments. According to this study, educated youth aspired to jobs in professional and technical, managerial and administrative, clerical, and trade and commerce fields, while those with lesser educational attainments expected jobs in manufacturing and production process work, services, sports and recreation work, and transport and communication fields. The study revealed that only a limited number of unemployed rural youth preferred employment in agriculture and related fields. (Ranasinghe 1978:59).

The problem of job aspirations among the educated unemployed reflects the values imparted by the "Liberal arts based" free education system which was established during the colonial period and continued without much change in the decades since independence. The imbalance in the labour market which arose largely from sluggish economic growth and a poor record of employment creation, as well as the structural imbalance arising from the mismatch of job opportunities and expectations have contributed to worsen the problem of unemployment.

5. Manpower Demand & Supply Imbalance

In Sri Lanka the lack of a sound manpower policy appears to be a critical issue which has resulted in a situation where there is no reliable estimate at the national or sectoral level on manpower demand and supply position. Although the subject of manpower and employment come under the purview of several public sector institutions, so far it has not been possible to prepare a comprehensive manpower plan for the country.

TABLE 6

	Title of Survey		Male	Female	Total	Unempolyed %
1.	Survey of Employment Unemployment, under employment in 1950-60(ILO)		259,000	90,000	340,000	10.5
2.	Census of Population 1963		199,490	65,480	264,970	7.7
3.	Survey of Consumer Finance 1963		n.a	n.a	457,700	13.8
4.	Labour Force survey 1968		312,000	152,800	464,200	13.4
5.	Socio-economic survey 1969 - 70		349,000	209,600	558,600	14.3
6.	Census of Population (adjusted) 1971	ůei <i>i</i>	474,065	197,917	671,982	15.6
7.	Determinants of Labour force participation Rates 1973		446,929	346,071	793,000	18.3
8.	Consumer Finance survey 1973		n.a	. Ona	1,073,000	24.0
9.	Land and Labour utiliza- tion survey 1975		499,500	484,800	884,300	19.7
10.	Labour Force Socio- economic survey 1980-81		503,207	353,961	857,168	15.3
11.	Census of population 1981		498,726	396,417	895,143	17.9
12	Consumer Finances & Socio-economic survey 1981 - 82		298,038	306,602	604,640	11.9
13	Labour force and Socio- economic Survey 1985/86		433,243	407,009	840,253	14.0

Source: Korale, 1986:110

Dept. of Census and Statistics of Sri Janka.

Various studies on manpower have made reference to the existing imbalance in manpower demand and supply. According to these studies, there is an over supply of high level manpower in disciplines such as arts, social sciences, humanities, law etc. for which there is little demand. Even if there is no over supply of trained manpower in disciplines like commerce and management studies, the graduates who qualify in these disciplines find it difficult to secure suitable employment probably because a majority of them fail to satisfy criteria such as proficiency in the English Language, age, etc. considered by the private sector in recruiting personnel.

According to the data on the supply of graduates in arts, humanities, social sciences, law, management studies, and commerce, the annual output is estimated to be in the region of 2500. Of this number about 1/3rd is absorbed into various positions mainly in the public

sector. However, the annual increase in the number of unemployed and under employed graduates is likely to increase since there is a decline in graduate employment even in the public sector following the policy of manpower rationalization.

A demarfd and supply projection for high level manpower with university degrees which was prepared by the University Grants Commission in 1988 indicated that the supply of arts graduates will exceed the demand, while the supply of graduates in medicine, dental science, engineering and agriculture science will be less than the demand.

A manpower demand and supply projection for the period 1971 - 1978, prepared by the Employment and Manpower Planning Division of the Ministry of Employment & Economic Affairs in 1975 revealed that a serious imbalance in demand and supply of manpower was

One of the aignificant factors that influences the manpower demand and supply imbalance is the outnigration of sldlled manpower. The exedus of professtenally qualified high level manpower from Sri Lanka to developed countries like U. K., U. S. A., Australia and other European countries has been going on some mid 1960's. However, the migraflor of professionals did not take place in large numbers until the regulations were relaxed in late 1970's. According to one study during the period 1971-1976, a total of 4293 professionals have improfed abroad. This included 1254 Doctors, 1974 Engineers, 499 Accountants, 141 University teachers, 628 other teachers, 160 lawyers and 537 Technicians (Nestah. 19781.

The effects of magnation of skilled manpower made an impact on the mational economy with the large scale ingration of skilled manpower to the West Asian countries which started in mid 1970s.

The data presented in Table 7 show the distribution of migrants by min pawer level for the period 1979 - 1981. According to the table professionally qualified high level numpower and middle level manpower constituted 3.5 and 5.9 percent respectively of the tatal number of migrants in 1981. The skilled manpower (i. e. masons, corpenters, machanics etc.) constituted about 20 percent of the total and over 55 percent composed maskilled labour which in cluded primarily lengtheringrants to middle eastern countries who took up employment as housemaids.

The migration of unaldiled manpower mainly to the West Asian countries had helped in reducing the minden of unemployment to some extent. Also the increased foreign exchange cambigs from the regultances of migrants has helped the country to improve her bulance of payments position. However, the negotive impact of migration due to loss of trained manpower in skilled areas where there is already a shorting need not be overcomplianted.

and transform	Distribution	on of Migre	nte by Many	ower Leve	1 1979 - 81	distribution of
- 23/1	2079		1990)		1381	00 3 5 15
Manpauser Lovel	No. of Hersons	35	No. of Persons	96	No. of Persons	ч
Filigh Irrect	1,657	6,4	1,977	4.7	12001	3.5
Middle level	2,374	9.2	2.100	7.7	3,420	6.9
Skilled	6,110	28/6	5,895	20.6	11.167	19.5
Unskilled	12,809	43.5	14.001	50.6	21,926	55.6
Not classified	2.931	11.3	4.602	16.4	RS133	15.5
TUTAL	25.875	lineare.	28,044	100.00	107,447	TOXICKE

Source: Migration States and Mangolice (Conning Division Employment and Mangolice (Conning Division Ministry of Clan Implementation.

6. Education and Human Resources Development

Since the introduction of free education in 1945, a substantial amount of resources builtheen spent by successive governments on general and higher education. Table 8 gives the data relating in investment in education, and higher education during the past few years.

Although there has been in general growth of educational opportunities in the past few decades, the system of edueation has not undergons any significant. change in order to develop relevant vocafloral or technical skills among the shidents. Hence, the investment in education has fulled to develop the country's human resources in a manuer that would benefit the country as well as those who receive ediscation. A critic who analysed the various defects in the system of education observed that ', educafienal opportunity in Sri Lanka has to be viewed in the context that 40% of school entrants do not yet receive any seixiniary school education, 60% leave without. reaching the G. C. B. (Ordinary Level) which level to the basic numbication for at least middle level supplayment, and 50% fall to proceed to Grade 11 and 12 which determine access to higher education" (Joyaweers, 1979; 19),

Thus early school leaving which seems to be a scrious problem affecting the children from low income femilies, has not only negated the lighteries of free

education but has also resulted in a telalively high level of unemployment among youth from low moone families who join the labour force annually without completing school education. This problem has been further aggravated due to the fact that those who join the labout farre either due to early school leaving or after completing school education, do not possess any vocational or technical skills that could help them in securing employment. The labour force data for 1992 show that 48.7 percent of the unemployed youth have joined the labour force before reaching Grade 10 and a further 39 percent after reaching. the G. C. E. (O/L). Thus, on the basis of minhouse educational qualification required for some form of while collar enplayment, not more than 39 percent of the unemployed youth are in a position to compete for a limited number of white collar jobs that may be available. [lowever, as observed earlier unemployed youths even with relatively low educational attainments tend to seek whitecollar jobs that could assure them staide inceme, job security and some degree of social status.

The educational background of the employed follow a pattern similar to that of the unemployed. The data on educational background of the employed as revealed by the Labour Porce Survey of 1992 show that 25 percent of the employed have received an education between grades 1 and 4 and 45 percent have received an education between

grades 5 and 9. Thus, more than 65 percent of the employed comprised early school leavers. Those who had passed the G. C. E. (O/L), N. C. G. E. or higher levels constituted 23 percent of the employed.

A feature common to both employed and unemployed is that majority of them (over 75 percent) have received their education in arts subjects. Even among the graduates, unemployment is more acute among those who have obtained degrees in arts subjects. The lack of facilities for science education in the rural areas as well as the inability of the parents to afford science education for their children may have contributed to this situation (Jayaweera, op. cit.).

The lack of vocational or technical orientation in the school curriculum has been emphasized by many a critic of Sri Lanka's educational policy. It has been observed that school curricula have been drafted in terms of the university requirements although majority of the pupils do not proceed beyond Grade 10 (Udagama, 1982: 12).

Though efforts have been made to rectify this situation by introducing a wide range of vocational subjects to secondary school curricula during 1973-76 period, they did not bear fruit since these reforms were done away with by the government that assumed power in 1977. Hence, the lack of consistency in the educational policy also seem to be a constraint in developing human resources.

6.1 Higher Level Human Resources Development Programmes

In Sri Lanka the total annual investment in higher level human resources development do not constitute even one percent of the GNP (vide Table 8). The expenditure on university education in 1991, accounted for 19 percent of the total expenditure on higher education or 0.45 percent of the GNP. This low expenditure on university education should be viewed against the increasing demand for higher education. The failure of the country's higher education system to satisfy the demand for university edueation could be seen from the data presented in Table 9 which shows the magnitude of the difference between the number of eligible students and the ac-

TABLE 8

	Background	Statistics	on Educati	on	
	1988	1989	1990	1991	1992
ι.	No. of Schools 9,771	9,805	9,864	9,998	10,042
2.	No. of Pupils 3,938,062	4,057,815	4,111,272	4,135,114	4,155,035
3.	No. of Teachers 146,334	153,243	184,822	177,231	182,597
4.	No. of Pupils per 27.7 Teacher	27.3	22.9	24.1	23.5
5.	Government Expenditure 3,980 on Education (Rs. Mil.)	6,166	9,571	9,128	9,664
6.	Government Expenditure on Education as % of GNP.	2.8	3.4	2.7	2.6
7.	Expenditure on Higher 1,080.1 Education (Rs. Mil.)	1,188.7	1,379.3	1,470.2	NA
8.	Expenditure on Higher 0.54 Education as % of GNP.	0.53	0.49	0.45	NA

[&]quot;Provisional, NA Not Available.

Sources:

- 1. Economic & Social Statistics of Sri Lanka (Central Bank)
- 2. Sri Lanka Socio Economic Data (Central Bank)
- 3. Statistical Hand Book University Grants Commission

tual number admitted to different academic programmes of the eight universities.

According to the table, on an average not more than 20 percent of the eligible students have gained entry into arts, and commerce and management studies streams. Where the two science streams are concerned about 60 percent of the eligible candidates have gained entry into physical science programmes and a little over 25 percent have gained entry into biological science programmes in 1986. Thus, the problem of not gaining entry into universities seem to have affected mostly those who qualify in arts stream. As observed earlier, a majority of them belongs to low income families in the rural areas.

A certain number of eligible students who do not gain entry into universities may gain entry into certain academic programmes of universities as external candidates. However, the performance of external candidates during the last few years show that only a limited number succeed in their examinations. For instance, of a total of 3263 who registered as external candidates for the Bachelor of Law degree in 1985/86, only 337 sat

the final examination, of whom only 71 had passed the examination.

Where arts degree courses are concerned the number of students registered as external candidates had averaged around 5000 per year during 1984-87. Of this number about half had sat the final examination and less than 1000 on an average had passed the examinations.

Notwithstanding the existing limitations to higher education the universities in Sri Lanka have been able to provide facilities for higher education in a number of professional fields. The eight universities in Sri Lanka provide academic and professional degree courses to about 18,000 students who participate in bachelor's degree programmes ranging from 3-5 years. In late 1980s the annual intake for all courses had averaged around 6000 of which the number completing their degrees had averaged around 5000.

According to the data on output of different degree programmes arts graduates have accounted for 40 - 45 percent of the total number of graduates passed out in 1985 and 1986 respectively, among

Mind and and			1984 1985 / 80			1985/87		H =	1986	
Academic Scream		No. Eligible	No. Admitted	Percentage Col. [4] a libit [3]	No.* Eligible	No. Admitted	Percentage	No.* Eligible	N-	Percentage (10) 100
(II)	(2)	(3)	(4)	ps/	(6)	(7)	(8)	(9)	(10)	(11)
Arts	Total	7003	2051	29.72	6709	2044	30.74	9737	1972	20.25
	Peniste	4448	1073	24.13	4347	1051	24.18	(300)	991	15.42
Commerce & Manage-	Total	3977	938	23.59	5722	1012	17.69	5521	1018	18.33
ment Studies	Fernale	2028	392	19.33	3123	433	13.86	3000	474	15.30
Physical	Total	12911	1061	82.18	1046	1008	96.37	2594	1564	63.06
Science	Female	2.78	206	74.82	175	127	72.57	579	208	51.47
Biological	Total	3770	1346	35.70	3432	1517	44.20	6122	1634	26.09
Science	Pemale	2106	rss	31.02	1850	680	37.30	3508	828	23.60
Total	Total Female	16041 8860	5426 2326	33,83 26,23	10046	5561 2301		240XI4 13540	6208 2581	25.86 19.05

Notes: 1. * Number attaining the number attaining the number or reprintment for admission.

 Number admitted by UGC in cotopies (4), (7) & (10) respectively is reflerent from the number actually registered to the theoryem.

Of the number submitted, a few neight not have prejistered as earsilled in the Hotensity.

* Does not include 473 students admitted for Physical Science and a special Provision.

Source: Mark Books. Department of Examinations Admireson Lists, 1810.

them females were in a majority. The second largest number of graduates were in science stream, while commerce and management studies tagether accounted for 16 and 14 percent of the total number of graduates passed out in 1985 and 1988 respectively. The graduates in medicine and engineering accounted for 8.5 percent and 5.5 percent respectively of the total number of graduates passed out in 1985.

Apart from the eight universities the Open University of Srt Lanka also offer higher educational facilities for students through correspondence courses and other methods of distance edgestion. The courses conducted by the Open University include professional as well as academic courses leading to bachclors degrees, diploma and certificates in science, textile technology, engineering, law, management studies, education, English and entrepreneurable. In the 1987/88 academic year a total of 15,802 students have enrolled in the different programmes conducted by the Open University. The increase in the student population of the Open University since its inception in 1980 reflects the demand for higher education leading to degree and diploma cerlificates.

In Sri Lanka several institutions which operate outside the university system also carry out higher level human resources development programmes leading to professional qualifications. These include Higher National Diploma Programmes in Commerce and Business Studies, Engineering Electronics etc. conducted by the technical colleges, pro-Jessional examinations in necountancy conducted by the Chartered Institute of Accountants and the Chartered Institute of Management Accountants, the Attorney-at-law course conducted by the Sri Lanka Law College, Diploma course in computer technology conducted by the National Institute of Business Management, and the professional course in surveying conducted by the institute of Surveying and Mapping,

In terms of catering to the demand for high level manpower the institutes other than the technical colleges play only a limited role as the intake of students for the programmes conducted by these institutes is limited. Since the universities in Sri Lanka could not meet the demand for higher and middle level professional training, steps have been taken by the government to broadbase the system of technical education. At present, the 24 technical colleges and distributions.

conduct several higher and middle level human resources development programmes. However, the emphasis of these programmes has been on theoretical learning with a lesser degree of practical orientation.

6.2 Middle Level Human Resources Development Programmes

A variety of middle level human resouces development programmes which award certificates at the Diploma or enumalent levels are conducted by the Technical Colleges, government sponsored institutes, and several non-govemmental organizations. The courses in engineering and emilispractice conducted by the technical colleges, the diptomacourse in agriculture conducted by the School of Agriculture, and the professional courses in nursing practice, midwilery, and medical technology, conducted by the Government Nursing Schools and the Notional Institute of Health Science are examples of middle level human resources development programmes conducted by public sector institutes. There are also courses in engineering conducted by institutions. such as the Sri Lanka - German Technical School which caler to the young school leavers. The duration of most of

the middle level courses vary between 1 and 3 years and they provide a diploma or certificate which are job oriented and therefore valued in the Sri Lankan context. The fact that most of the middle level professional courses are job oriented has led to a high demand for these courses. Often the demand for these courses cannot be fully met.

6.3 Lower Level Human Resources Development Programmes

There are both formal and non-formal HRD Programmes conducted by a large number of government, non-government and private sector institutions. which fall under the category of lower level human resources development programmes. The lower level human resources development programmes are technical and vocational oriented. These programmes are mostly short-term (3 months to one year duration) and they are targeted at young school leavers with some years of education. The craft courses covering areas like machinery fitting, automotive mechanics, electrical installations work, and self-employment oriented short term courses conducted by the technical colleges also falls under this category. The vocational training programmes conducted by the Institute for Construction Training and Development (ICTAD) and the Institute for Automobile Training too can be classified under this category.

The apprenticeship training scheme implemented by the National Apprenticeship and Industrial Training Authority (NAITA) is one of the major non-formal training programmes undertaken within the public sector. Under this programme about 10,000 youths are enrolled annually to undergo apprentice training in various skills in public and private sector institutions. The NAITA has registered about 2000 institutions through out the country to provide apprentice training for the youths who have enrolled in the programme. The youths who complete the apprentice training successfully are often absorbed into employment in the same organizations where they undergo training.

The vocational training programme of the Department of Labour is another lower level HRD programme which is targeted at young school leavers. This programme is implemented through the vocational training centres of the Labour Department located in different parts of the island. Under this programme several short-term training courses in masonry, carpentry, motor mechanism, plumbing, tinkering etc. are conducted.

In Sri Lanka there are several nongovernment organizations (NGOs) and private sector institutions that participate actively in developing human resources at middle and lower levels. The objective of the vocational and technical training activities undertaken by the NGOs is to equip the unemployed youth from poor households with the technical and vocational skills that would help them in securing employment. Among the NGOs that implement regular HRD programmes are the Lanka Jathika Sarvodaya Sramadana Movement, Radio and Electronics Laboratory, the Divagala Boys Town, the Yahapath Endera Farm, the Lanka Mahila Samithi and the Sri Jinaratana Vocational Training Centre.

According to the Tertiary and Vocational Education Commission (TVEC) which is engaged in regularizing and developing the vocational and technical education system, there are about 1200 agencies registered with the TVEC and about 1000 unregistered agencies dealing with vocational and technical training. Among these agencies the private sector agencies levy fees and conduct a variety of courses depending on the market demand.

7. Evaluation of Human Resources Development Programmes

The human resources development programmes in Sri Lanka are characterized by the multiplicity of programmes undertaken by different agencies in the public, private and the NGO sectors with little or no coordination between each other. Hence there can be difficulties in maintaining standards and tailoring the programmes according to the needs of the target groups. Also, there are hardly any tracer studies carried out by the agencies which provide the training.

The high degree of examination and certificate orientation is a common weakness of higher and middle level human resources, development programmes which is difficult to avoid in the absence of fundemental changes in the system of

education. Also, the non-existence of a well defined manpower and employment policy has encouraged unplanned growth of human resources development programmes in the country. Although the government has established a Human Resources Development Council (HRDC) to coordinate the human resources development programmes and advise on policy issues, the ground situation suggest that the expected level of coordination between different HRD programmes has not been achieved.

Although there has been an increasing demand for technical and vocational education it has been found that the available facilities for technical and vocational education have not been utilized productively. It has been observed that, although public sector institutions have the capacity to take in large number of trainees, these facilities in the majority of cases have been very poorly utilized. This applies largely to basic categories of skills such as masonry, carpentry etc.

The reasons that have contributed to poor capacity utilization have not been clearly established. Apart from poor management, the factors like long duration of training, relatively low income support for the trainees during the training period, non-availability of training facilities closer to the places of residence of the trainees, lack of job assurance at the end of training, lack of awareness about the availability of training opportunities and the unfavourable attitude toward manual vocations, may also have contributed to poor utilization of available training facilities.

One might also question whether the current human resources development programmes could meet the requirements of the actual target population. If one considers that a significant portion of the target group comprise the school dropouts and early school leavers, the available training places for technical and vocational training appear to be much lower than the size of the target population.

If one compares the size of the target population and the number of training places available, it would appear that in certain less developed provinces such as Uva, North Central and Sabaragamuwa, the size of the target population has far exceeded the number of Irothing places available.

According to the data. In 1987 the total number of training places that were available under publicanid private sector institutions was 117,352 while the number of school drop-outs and early school leavers was 227,296. If one include those who have passed the G. C. E. IO/L) and higher qualifications in the larger population, the under-availability of training places could be much greater.

The Human Resources Development. Committee working group in its report of September 1987, made the following observations in regard to the existing HRD Programmes.

"Government Agencies cater to only around 80,000 for training which is a fraction of the total potential larget group. Training facilities are not spread out in proportion to potential demand in an even manner provincially. The contribution of the private sector apart from the Western province is also weak."

The Committee olso observed that in the absence of systematic training needs surveys, one cannot assure whether the training facilities available coincides with development priorities or occupational needs. Where school drop-outs and carly school leavers are concerned the education level stipulated as entry qualification may also have acted as a barrier to gain entry to a training programme of one's choice. This apply mainly to the formal training programmes conducted by the public sector institutions.

Thus the impact current HRD Programmes can make in reducing the labour market imbalance and upbilling the quality of life of the most needy groups in society, appear to be much lower than the desired level. It is also important that the HRD Programmes address the needs of the labour market in a changing econumber context. For instance one has to question whether the University education can meet the manpower needs of the growing private sector. Also there has to be a relationship between key nublic policies such as the poverty alleviating policy and the vocational and technical education system in order to provide job oriented skills in a relatively short period of time. At present there is little or no relationship between the institutionalized human resource development programmes and the Poverty Alleviation Policy.

Conclusion

The slaggish growth of employment in the major sectors of the economy during the past few decades coupled with relatively high growth in the labour force had resulted in the problem of educated youth unemployment which is there acute in the rural areas. The mismatch between the educational achievements of the unemployed and the type of skills demanded has further aggravated the labour market imbalance.

The policy of education followed since independence has not undergone any radical change although the opportunity for education has been broad based. The system of education which was highly examination oriented had created a sense of competition as well as a preference for white-collar jobs among the educated youth. The system of formal education has not been able to impart technical or vocational skells which are demanded.

A serious imbalance in the labour market could be observed due to excess supply of educated manpower ispecially university graduates in arts, social surface etc.) and the shortage of numpower with middle and lower level skills. A relatively high level of external migration of skilled manpower has also contributed to the existing manpower imbalance.

Although unemployment and man power imbalances have caused serious political problems, there has been no consistent employment and manpower polity adopted at national and sub national levels. In the absence of a consistent policy and proper manpower planning, the actions taken by successive governments to deal with the problem of unemployment have been rather ad-hoc and produced only it nited results.

At present the amount of resources spent on human resources development appear to be much below the destrable level. Thus it is difficult to expect that the current human resources development programmes can make a significant impact on the most aerily social groups such as rural and urban poor and the unemployed.

The uneven distribution of opportunities for self-employment oriented technical and vocational training is evident from the greater concentration of training opportunities in the Western Provmee and the urban areas of other provmees. Viewed against the problem of lack of utilization of vocational training programmes conducted by some of the public sector institutions, the effectiveness of training programmes is likely to be limited as they cannot reach the target groups effectively.

It is evident that the participation of the private sector in employment oriented human resources development activities is lower than the desired level. Compared with the private sector, the contribution made by several non-government valuntary organizations in this field seems to be emouraging. The role of the NGO's can be strengthened further if the HRD Programmes undertaken by the NGO's can be brought within the purview of a national or sub-national level manpower plan.

It is of paramount importance to assess the existing human resources development programmes in order to improve their content, the methods of delivery, and the relevance to comitry's needs. A mechanism for coordination of all human resources development programmes is needed in order to lay the foundation for a national manpower plan and to increase the efficiency and effectiveness of the on-going human resources development programmes.

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- I. The countries of Asia Pacific, in chaling Sillanka, assembled in the United Nations. Economic and Social Commission for Asia, and the Pacific in 1983, adopted by consensus, what has any come to be known as the Jakanta Plan of Action on Human Resources Developmant. As the Jakanta Plan of Action constitutes. Sri Lanka's accepted paint of reference for the formulation, implementation and evaluation of its HMD policies and programmes, wisness surpport he said programmes, wisness surpport he said and public and its policy makers to be fully aware of the underlying ideology and the thrust of the Underlying ideology and the thrust of the Underlying ideology and the
- 2. The JPA Weivs himan resolutes development as a what deviant of ball social and economic development. The attributes that determine the quality of life are reparted as being largely condment with those that deformine the quality of minute capital. Hence, to the JPA, what is generally considered as social development in developing contribles are polantally directly productive.
- 3. The raubiale for the particular strategies accounted by the PA for making level human resources detail opinion policy, planning and programming and to be found in an analysis of micro-level human resources development behaviour. The theoretical foundations of the JPA concept of HRD lie is the land of traducted, formly six houseful decision making.
- A. It is an integrated context which tinks the productive rais of hymen resources, inquicitive humen expital theory, and the emissimption role of human resources, embodied in the quality of his interdural through the instrumentality of rapartizing anather participation in economic activity. The JRA regards propie's participation as being motivated by their daste for consumption. The nathuguess of including by the pricipal is producted and fundies to enhance predictional such inception returns to be gamed; panistich investions, which acres from particle investions, which acres from participations.

- ticipation in economic activity which is bally socially recognised and economieally rewarded;
- Such treestments in human capi ial are not only a vital cource of increased production. The most important human apital luusimerus, in health anti ethica are simultaneously highly palued tients afteansumption in developing counries and also constitute the most imporlant determinants of the quality of life: Thus, the characteristics that, from a consumption perspective, reflect the individu als quality of Ufa, consulute the quality of the :bidiuthiat's: human : capitat :from a production: perspective.: Rewarded participation in economic activity, whether as paid work or employment, is the factor tüllidi underpins this dipiamic IPA madel of the interaction between the twit roles of human beings as producive aid can
- A. It is this general congruence beturen muchly of human capital antiqualtill of the at the industrial lend which provides the hasis for an integrated and balanced HAD focused strategy for the scotumul as a made Trais the HAD stratingle for charicament controlled in the JPA scripe the lend of economic grants that leads a and is compatible with social development, and the kind of social deadopment final is consistent with and contributes to economic grants.
- 7. The JPA dentifies has reasons gecount for the pisotal rote accupied by employment for the implementation of an EMD strategy at the makes level. Employment is a key means of creating output and deduction stouth, it is also both directly through the incomentyicles and indirectly through its offect on salposteem, and partoual accuse the man instruction of intividual access to an income to intividual access to an income to intividual access to an income of intividual access to an income?
- 8: :The:IPA rroppises that without cfficientiallization of human researces in production, the creation of quality of the

- with manually currents results constraints. Conversely, the participation of human resources in phoduction, if undesompained by a commensurate improvement in the quality of tife, will produce poor results due to a lack of his antives for a was small and manually that is a was small and the training the contract of th
- 9. Therefore it argues that an intergratea HRD development shategy is essentiat. On the production side, the strategy hustensure that human capital hucesments are effectively utilised in production, and that productive activity is complaneated by appropriate human capital formation wittle, on the consumption side it must ensure that the owners of human capital formation wittle, on the consumption side it must ensure that the owners of human capital receive adequate economic reverses, and that, in contributing to a higher quality of tije these rewards provide an effective than this ar fliriblat human capital formation.
- FO. The JPA, in literal juing strategus for electors fill haman resources development and the affactive implementation of an HRD focused national development strategy-emphasises an intergrated approach to interpolicy formulation, and the effective esordial ton of planning and programming.
- It The above are presignishes to ensuring that Human capital truestments lead to employment and income as well as access to chefter quality of his for both inclosed and sand house holds. In particular the APA stresses the importance of co-critication between education and matigicalizations of the one band, and employment policy and the other, in order to castre that educated and varied power is efficiently utilised and that the standpower access of the productive sectors are met.
- i 2: The JPA also emphasises the demant side and the need to create favour able demand conditions for human resources development through the analyabatyafadapada microstavel incentives.

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THE HUMAN RESOURCES DEVELOPMENT COUNCIL

The Human Resources Development Council (HRDC) of Sri Lanks has been established as an advisory body to assist the Cabinat of Ministers, in the overall co-ordination of education and manpower policies and development of human resource plans and programmes in the country.

The main functions of the Council are to:

- (a) advise the Government in regard to national policy on human resources development, including milionalization and co-ordination of education and manpower policles;
- (b) submit to Government, plans and programmes for human resources development, in accordance with national policy;
- (c) monitor the implementation of human inscuraes development plans and programmes approved by the Government;
- (d) evaluate and review the educational plans and programmes propared by relevant Government Agencies, in relation to national objective;
- (e) evaluate and review the education and training system and to report thereon, and
- (f) publish an annual report on human resources development in Sri Lenka which will include a review of the present measures, the needs and any additional measures that are required for human resources development.

The powers vested in the Council by the Government are as follows:

- (a) Authority to call for information as the Council may deer in necessary including, statistics and manpower estimates from sector at Ministries, Guvernment Departments, Corpotalizats, Statutory Board & Government Apericles and Private Sector Establishments.
- (a) Power, on its own initialive or at the request of the Government, to submit reports to the Government.
- (c) To advise the Government on mittlers retained to it by the Government or on its own initiative.

(Courtesu 1971) Sourlastor)

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HUMAN RESOURCE MANAGEMENT - SOME PERSPECTIVES

Mallika Manuratne

Senior Manager Training and Productivity
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he world to moving hwards. Year 2000 at a tentific pane. What was considered appropriate and normal in 70s and 80s are fast becoming outstated. New prucilises are taking shape almost evernight, making those who couldn't adjust accordingly mean redundant. In short, in the journey hwards 2000 and beyond the hall mark is change and the speed of change.

How do organizations across the world react to this fast page of change? Definitely they are codefining the directions of the organizations and restrictioning the internal hierarchies, in order to face the change effectively. Some interesting changes have already taken place mornly due to improvements to computing and communication, specially in USA, and many others are being contemplated and experimented by the organizations. In the process, most modern organizations have changed over to what they call Human Resource Management from the distonally known personnel management.

At the beginning of this century, the work force is considered as 'harris' and toward the middle of the century, with the development of the Human Relations' School of Thought, pieneered by Etten Mayo and the Hawiltonn experiments work larce was considered as Personnel. This change took into account the importance of metivating the worklonce, and their rights as workers or members of organization.

Human Resources Management is the subsequent development that took place in organizations rivering the recent years. Whether it is railed personnel function of Human Resources Management function the organizations recent, select position, transfer, promote, train & develop disciplinary deal with and sever the relationship with people, in other words the apparent functions have not undergone much change. Then what is modern about Human Resources Manogenient?

The basis difference between personnel management and human resource management lies not so much in the lunctions but in the philosophy of the management way the organization considers the work lone. An elaboration on the characteristics of Human Resource Management should shed furtherlight.

The Philosophy

HRM is based on the philosophy that brown, contribution is the infest sital component that nged to be managed carefully, and people tend to respond best when the work environment itself is conclusive in motivating them, to do their best.

The roots of this philosophy could be traced to lew important describe that have taken place in the industrial world. The most visible one among them was the invasion of Western markets by the department companies, capitalizing on their ability to deliver quality goods to the satisfaction of the customer. The Western industrialists were compelled to look for ways and means of improving the quality of their goods and services.

Another eye opener was the fact that the best companies in the West paid sufficient affection to their work force and ensured that a work environment suitable for although best performance was consciously manusined.

As a result of facing very competitive markets, organizations callised the need to change their orientation from product to market needs. When organizations tried to become more and more customer oriented they knew that it is also needs sary to improve the quality to meet customer demand.

With the couplests on quality it is nothing but natural that organizations had to reconsider the way looked at their people. Many US and European giants went through programmes of change, the success factor of which was the change in their approach towards people.

Objectives of Ruman Resource Management

It is possible to think of four specific objectives of Human Resources Manage amont. They are:

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THE TURNOVER OF IRRIGATION MANAGEMENT RESPONSIBILITIES TO FARMER ORGANIZATIONS

Dr. Amarasena Gamaathige

Research Associate, International Irrigation Management Institute

he terms "irrigation management turnover", 'irrigation management transfer", "partici patory management", "privatization" have been used widely in the literature of irrigation management. The general meaning of these terms is the turnover or handover of certain irrigation management responsibilities such as water distribution and regular maintenance activities from a government agency to farmer organizations or nongovernment agencies. The transfer of ownership of irrigation channels and structures and other assets to farmer organization is called privatization and it is the completion of the turnover process. One of the major outcomes of irrigation management transfer is the contraction of the government role and expansion of the role of beneficiaries (Vermillion, 1991). There are considerable differences in irrigation management turnover in terms of (i) the methods used for transferring management responsibilities and (ii) types of irrigation management tasks handed over to farmer organizations at different levels of the system, i.e. handing over of all management responsibilities (self management) or handing over specific management functions at a certain level of the system like distributory channel areas for operation and maintenance tasks.

To improve the performance of irrigation systems in many developing countries several approaches such as physical rehabilitation, training of irrigation officials and greater farmer involvement in decision making and resource mobilization have been used. In Sri Lanka the

responsibility of management and funding for operation and maintenance of major irrigation schemes has always been the responsibility of the government. In 1989 the Sri Lankan government decided to launch a policy of participatory irrigation management in which farmers in major irrigation systems were encouraged to manage the operation and maintenance of distributory channel areas by contributing their labour and other resources in lieu of payment of operation and maintenance (O & M) fees to the government.

Turnover programs in Sri Lanka

The program for turning over O & M responsibilities to farmer organizations (FOs) at the distributory channel level in about 35 major irrigation systems covering about 485,900 acres (196,700 ha.) was implemented by the Irrigation Management Division of the Ministry of Lands and Land Development. This program is known as the Integrated Management of Major Irrigation Settlement Schemes (INMAS). A total number of 731 out of 1349 distributory channel areas were handed over to farmer organizations by the end of 1992. A similar program of irrigation management transfer to FOs in about 175 medium irrigation systems below 2000 acres and above 200 acres was initiated by the Irrigation Department in 1987. This program is known as "Management of Irrigation Systems" (MANIS). The turnover of O & M responsibilities has been planned in only a few irrigation systems, but farmer organazations have been formed in most irrigation systems. The National Irrigation Rehabilitation Project started in 1991 intends to rehabilitate quite a number of medium and small systems and then hand over O & M responsibilities to farmer organizations in the near future. The Mahaweli Economic Agency has developed a comprehensive program of turning over O & M responsibilities to farmer organizations in distributory channel areas under the Mahaweli Development Program. These three programs, INMAS, MANIS and Mahaweli have been implemented for achieving irrigation management transfer or participatory management.

The Progress and Performance of Turnover Program

There is a need for a comprehensive review of the progress and performance of these turnover programs, particularly so after 9 years of implementation of the INMAS program. The other have been in existence only for about 3 to 5 years. Donor agencies, policy makers and implementors are now concerned with the following aspects of the turnover programs: (i) the effectiveness of government agencies and other services provided to plan and implement the turnover program, (ii) the level of FO development or strength of FOs in taking over operations and the maintenance of responsibilities and their capability of mobilizing the needed local resources for a sustainable system of management, (III) the reduction of government costs for O & M, and overall improvement of Irrigation management. In other words, in order to achieve the major objectives in

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the policy of the turnover program, ellective farmer organizations must be established, first with the support of the relevant government agencies concerned and then these organizations must be organizationally and financially capable of and willing to take over O & M tasks. The success or failure of turnover activilies can be understood by evaluating physical improvements to the system, increase in productivity and equity etc.

The critical evaluation of each turniver programs has become necessary to learn lessons emerging from the implementation process and the results of these programs not only for further improvements to them but also for the development afternative strategies. There are a few studies and reports regarding the problems—and—achievements of these turnover programs and most—of them are case shudges focussed on few

themes and questions. There are some good studies readily available on the INMAS program than the other two pregrams. Therefore, the International Irrigation Management Institute has under taken a study on monitoring and evaluation of these turnover programs.





Cont. from page, 27

- generaling commitment among employees.
- developing a competent work force.
- (iii) ensuring goal congruence, and,
- (iv) ensuring cost effectiveness.

In contrast, personnel management was more concerned about developing competence and ensuring east effectiveness. Commitment was considered as a function of leadership, and personnel departments hardly thought of it. Goal congruence is to ensure that all employees understand the mission and the objectives of the organization and they are willing to work towards it.

Human resource management approach advocates that human resource policy should ensure commitment, competence, goal congruence and cost effectiveness.

The Task of the Human Resource Manager

Human Resource Manager should perform all traditional functions of a personnel manager, and in addition should ensure that people are committed and they understand organizational goals. How could an HR Manager get about? People join organizations to achieve their personal objectives through working towards organization's objectives. The more they perceive organization as a place in which they could achieve their career related objectives more they will be willing to work for the organization. Commitment is therefore an outcome of perceived opportunity for career development through performance.

It is the job of the Human Resource Manager to ensure that employees perceive the organization as providing a fair change for advancement through fair evaluation and opportunity for training and development. Most modern organizations have changed more than once the way they evaluate the employee performance. They have moved away from the traditional method of measuring an employee at input point by marking him on attendence and punctuality, diligence and loyally. They have also moved out from the more recent approach of measuring only at the output point, based on the philosophy of Management by Objectives (MBO). The new performance evaluation systems are interested in input as well as output, but at the same time they are interested in the employees attitude towards organizational goals, his awareness and commitment to uphold the organizations work values and his deficiencles in terms of his ability to be emptothe values of the organizations.

HRM approach considers an emplayer as a total human being who could not be separated from his other roles specially as a member of a family. Therefore it acknowledges the fact that the employees should be adequately confortable. Most organizations as beyond the levels of safely prescribed by the law and ensure that the employees are safe and comfortable. More enlightened orgauzations have extended various wellare facilities such as day care centres to ensure that employees are focussing on their work without being bothered by routine problems of daily life.

A major task of any HR Manager is to see that his people are trained and developed. Therefore, todays' organizations have taken a different approach towards inturing and development. Most employees at a very early stage go through Assessment Centres in which then potentials are clearly identified. Such identifications allows the organization to groun the employees for future responsibilities in a meaningful manner. This process further ensures employee commitment, and gives the organization an opportunity to plan meaningfully.

Some organizations conduct company based MBA programmes to ensure that their junior and moddle level managers are turned into super products, while many anguivations sponsor echaration activities of their employees.

What an IR Mahager could do to ensure that the workforce is committed, competent, has goal congruence and is managed in a cost effective marrier does obviously differ from organization to organization. The most important area on which he should place sufficient emphasis is developing a human resource policythat ensure those autcomes. Therefore HR Manager is no more a middle level manager who laufidate implementation of policy but a conscious contributor to company policy itself. HR approach thereby force organizations to take their workforce seriously and do their best , gowands people

A RECORD PADDY HARVEST IN 1993

A. J. Satharasinghe

Statistician, Department of Census and Statistics

he highest paddy production since 1985 was reported in 1993. The production in 1993 was estimated 2,567,000 MT- 1,692,000 MT in 92/93 maha and 875,000 MT in 93 Yala. This total is an increase of nearly nine percent over the previous year. The highest production on record is 2,661,000 MT in 1985, after which a declining trend was followed. Whether this trend was leading to a long term decline was a concern. This is the period when the civil disturbances not only in the North and East but also in other parts too, erupted. Because of the disturbances asweddumized lands could not be cultivated fully. Fertilizer subsidy was also withdrawn during this period. Unfavourable weather conditions particularly the drought in 1991 also contributed to retard the production. The upturn in 1993 may be an indication that the production is now on increase as before 1985.

The annual paddy production has almost trebled within the four decades from 1952 with an impressive growth of 296 percent indicating a stable disposition for the staple food of the country. This increase in the rice production has been made possible by improved irrigation facilities and very effective agricultural extension programs. For instance Mahaweli River Development project now provides water for cultivation both in maha and vala seasons for thousands of acres in the dry zone that had been idling. The share of Mahaweli 'B', 'C', 'G' 'H' and Udawalawa areas to the National production were 18 percent and 16 percent in 1992/93 maha and 1993 yala season respectively. Use of tractors for preparation of lands for paddy cultivation has overtaken all other methods with an area coverage of about 40 percent in each season. New improved varieties are extensively cultivated accounting for about 90 percent of the sown area. Transplanting which is believed to give higher yields over the other methods of sowing is slowly becoming popular. Many other improved practices also have largely contributed to increase the production.

Rice imports declined sharply until early eighties concomitant with the unprecedented increase in the domestic rice production. This decline is more prominent during the five year period commencing from 1981 compared to the previous five year period. The percentage decrease of five year average for the latter period was 13.5 percent while it was 56.5 percent for the former. However, in the 1986 - 1990 period, imports increased by 19.4 percent compared to the previous five year average imports due to the drop in the domestic production.

Self sufficiency ratio which is defined as the percentage of domestic production to the total availability (available for human consumption) is one indicator generally used to describe the self sufficiency achieved by the local production of a particular food commodity.

The self sufficiency ratio of rice has been varying between 85 percent to 93 percent during the last decade where the performance had been exemplary in comparison to the previous three decades. However, it must be noted that imports of wheat flour is slowly increasing in parallel to the decrease in rice imports. Per capita availability of rice has relatively remained at the level of 100 kg/ year. Per capita availability of wheat flour, which is considered to be the principle substitute for rice has nearly doubled from 23 kg/year in 1971 to 45 kg/ year in 1978. Thereafter it has declined to about 23 kg/year by 1980. But since then, it has been slowly increasing and in 1991 it was about 34 kg per year.

This is an indication that wheat flour based foods are becoming increasingly popular. In urban areas fast food restaurants are spreading like mushrooms. Also people are diet conscious more than before. Convenient and quick meals are also a current issue among many working people. All these may be leading to a slow decline in demand for rice at least in urban areas.

It is up to the planners to make a decision on whether to maintain the self sufficiency ratio at this level and meet the balance demand through imports or continue to put some more resources and efforts to increase the production till the goal of total self sufficiency is reached. As for any other crop production of paddy can be further increased by increasing the productivity that is yield per unit area or by bringing more land under cultivation or by both approaches.

The asweddumized area or area prepared for paddy cultivation has recorded a 44 percent rise since 1952. In the cultivation year 1992/93, the reported asweddumized area was 737,004 hectares. During the last decade the average cropping intensity which is defined as the percentage of the total sown area in maha and yala seasons to the asweddumized area has been about 125 percent. This means that about 75 percent of the sown area out of the possible maximum of 200 percent remain idle each year.

Except for several years, the proportion sown has been less than 50 percent of the asweddumized area in yala season. On the average about 14 to 36 percent of asweddumized land in maha and 45 to 65 percent of asweddumized lands in yala seasons have been left uncultivated. Significantly, most of these uncultivated lands are in the dry zone. Paddy cultivation being heavily depend-

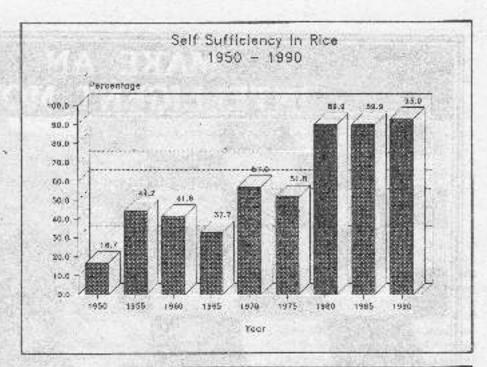
ent upon water. Inadequacy of south west monsoon rains in the devizone and inadequate irrigation facilities are identifled as the main causes of non-militar Hon in yala.

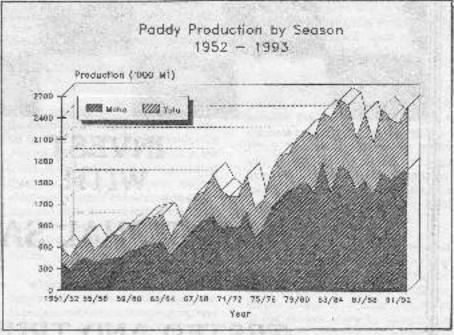
Much have already been achieved in the process of providing impation facilities and land development. The cultivaled area under mojor irrigition schemes was raised between 1952 to 1983 by about 188,000 hectares which was about a 355 percent increase. The Increase in yala scason was about 189,000 hectares and it corresponds to 208 percent increase. Area under minor brigation schemes was also raised by expanded irrigation facilities. Compared to 1960's cultivable area under minor schemes has been raised by 88,318 hectares or by 155 percent in maha and by 60,505 hectares or by 230 percent in vala season.

The dry zone casers about 77 percent of the Intolessee Identized lands acrount but for 73 percent of the canotry's Kational production. Therefore in order to achieve the goal of self sufficiency in rice His necessary to give further attention to the problem of water in the dry zone.

The availability of water is the determining factor of the extent cultivated as well as harvested. Proportion howested. also depends on the crop tlangues such as pest affacks, insects, floorly ster How even proportion harvested has been between 72 and 98 percent during the post years. In other words, complete cropdamage of a serious nature has not been a continon occurrence.

Agricultural research and extension programs corned out so for hove made It possible to improve the average weldappreciably recording 128 and 98 percent increase for maha and yala seasons respectively, during the period of 1951. 1902. It should be noted that yield has not dropped below \$000 kg/heet, during the last ten years in both seasons. Availability of water, use of improved seed varieties, improved cultivation practices such as transplanting wooding, post control ele, have largely contributed towards this end, intensifying the research and other agricultural extension programs further is also necessary to increase the productivity and thereby the production.



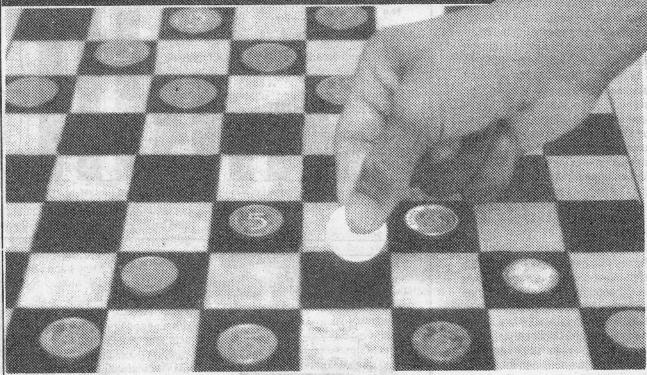


Performance of some of the improved seed various heavily depend on where: not fertilizers. As fertilizer is generally imported, this would invariably lead to increase in cost of production. On the other hand, having realized the severity ul the environmental policition and other side effects expenses of these chemical lentilizers such as USA are new focussing an sustainable agriculture and encourage farmers to manyongarity Jeptilizeral Therefore agricultural agreements have to pay attentione 53 this olse in their endeavour in increasing production.

The issue that must now be addressed. is whether efforts should be intensified in making the production to meet the demand for rice fully or the unmet demand of 10 percent should be imported. The lower upiten requires increasing productivity and or bringing more land. under cultivation. Both measures requite greater mortability of irrigation. A careful examination of availability and distribution of water is a prerenneste. Maintenance, and rehabilitation of exisling irrigitain schemes is a priority if self sufficiency is to be achieved.

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Trade patterns between Sri Lanka and the Newly Industrialized East Asian countries (NICs)

P. M. S. Tantrigama

Senior Lecturer, Department of Economics University of Sri Jayawardanapura

This study is an afternot to available trade partern of Sri Lanka with South Korea. Singapore, Hong Kong and Talwan which are collect Newly industrialized Pace Asian countries DUCs! The symmodity - wise trade flows between Sri Lanka and the SICs as awhat and trade flows between Sri Lanka and individual FICs have been investigated. Further, it examines the net gain or loss of commodity trade between the trea groups and its treats.

a mastern found that: Sel Lanka's exports in the MCs have been increasing at a rate less than it's imports from MCs and the trade deficit widening gradually. Sel Lanka's trade direction has changed towards the Asian region and that particularly the share of MCs in our import market has burgased supidly in recent years; Sel Lanka's trade sector has been diversifying capitly lowards labour intensive manufacturing white Mils have become exporters of more expital intensive manufactured years; and that MCs succeeded in capturing a good pair of the Sel Lankan market for their manufactured goods such as textiles, synthetic materials, building materials and transport equipment.

The Background

t the beginning of the 1950's Sri Lanko and East Asian countries like the Republic of Karea, Singapore, Hong Kong, Talwan and China were more or less identical with in tider per amplia bucames and external trade structures. They were all small agricultural countries and pursuing similar development strategies to promote their economic and social development. Although all these East Asian countries had a similar background at the beginningof the 1950s, after following similar development similagies these other coontries except Sri Lanka have succeeded to a greater extent in their development efforts by the end of the 1980s. More particularly, they have been able to increase their per capita incomes substantally and turn their trade deficits in Environable balances gradually. Thesias affected unfavourably the trade balance of the countries they are trading with. Since the 1980s they have been able to capture a significant stone of the foreign markets, especially the European and

the Asian markets. At present their copilal surplus is of such a magnitude that they have become capital lenders in the international market. It is argued that these countries have become such a chottenge to other industrialized countries and often they are referred to as the Asian Four. Asian Giants, Gong of Four or Newly Industrialized Asian countries (NICs).

While these countries were able to achieve their targets to a great extent. Sri Lanka has not been able to progress very far from the start in terms of any of the development indicators. Growth of the GDP of Sri Lanka is approximately 4 percentian an average in the 1980s when the GDP grewth rate is about 8 percent for NICs. The balance of payments deficit is more usual phenomenon for Sri Lanka but NICs have been able to experience Incompile balance of payment positions.

One specific feature of the trade pattern of Sri Lanka during the last two decades is that Sri Lanka's trade direction has changed toward Asia significantly. Mainly industrialized countries had dominated our experts as well as imports make a in the 1970s but it has a marketly declined by the 1990s. The place of industrializal countries in our import export trade has been taken by Asam countries including India, Japan and the NICs. The NIC's alone accounted for 25.3 percent of the total imports of Sri Lanks in 1990. Therefore, it is observed that the NICs were able to widen their export markets not only in the West but have also increased trade with their neighboring countries.

The main objective of this study is to identity the trade inflows and outflows between Sri Lanka and NICs and to examine in detail the net gain or losses which Sri Lanka obtained by trading with those trading partners. It further attempts to examine the changing pattern of commodity trade of Sri Lanka in respect of RICs during the period 1970-1990.

In an attempt to investigate the trade and payments activities between two individual parties a more detailed Balance of Payment IBOP) account of the live parties have to be prepared. This is done in the present study by collecting required data from relevant sources and preparing more detailed inside accounts for individual countries. However, the study covers only the BOP transactions on trade account due to the lack of data on other transactions.

The study covers the period 1970-1990 since it reflects the different regimes of economic reforms and political controls in all these countries. All data are obtained from secondary sources specially from the Central Bank Reports of Sri Lanka, Custom Reports of Sri Lanka, and the reports of I.M.F and United Nations.

Basic economic characteristics of Sri Lanka and NICs

Sri Lanka is a small developing country in the South-East Asian Region with an area of 66,000 Sq.Km. and a population of approximately 17 million. It is denominated as an export economy specializing mainly in the export of agricultural products in return for consumer, capital, manufactured and intermediate goods from other countries. The degree of external dependency is relatively high in Sri Lanka where the trade dependency ratio of Sri Lanka today is about 56.8 percent¹. It is an indication that the economy is highly vulnerable to fluctuations in the external market.

The four East Asian newly industrialized countries: the Republic of Korea, Taiwan, Hong Kong and Singapore (NICs) those are the countries which attained higher rates of economic growth and export expansion than any other group of developing countries of the world in recent times.

The Republic of Korea (South Korea) is the largest country in this group and it consists of an area of 98,000 Sq. Km. and the population was 42.1 million in 1987 recording the largest population in the group. The second largest is Taiwan with an area of 10,000 Sq. Km. The population of Taiwan is approximately 19 million people.

Singapore and Hong Kong are small in relation to Korea and Taiwan. Singapore consists of 1000 Sq.Km. and Hong Kong is double the size of Singapore. The population of Singapore is approximately 2.6 million whereas the population of Hong Kong is approximately 5.6 million people. These two are city states - 'Pang Eng Fong', uses the term "Twins" to describe these states. As city states both exemplify natural resource poverty.

The ranking by per capita incomes is just the opposite. Hong Kong leads with US\$ 8070 followed by Singapore with US\$ 7940, Taiwan with US\$ 3160 (1984) and Korea with US\$ 2690 (1987).

Table 1

Basic economic indicators of Sri Lanka and NICs									
Country	Population Millions	Area Thousand Sq.Km	G.N.P per capita 1987 US\$						
Sri Lanka	17.4	66	400						
Korea	42.1	98	2690						
Taiwan	19.0		3160						
Hong Kong	5.6	2	8070						
Singapore	2.6	1	7940						

Source: World Development Report 1990

Table 2

The Average Ann	ual Growth R	ates of Expor NICs	ts and Import	s of Srl Lanka wit
	Exp	orts	Imp	orts
	1974-1982	1983-1990	1974-1982	1983-1990
Republic of Korea	75.40	3.40	53.90	57.90
Hong Kong	-1.28	25.70	72.88	39.00
Singapore	17.13	17.60	36.90	- 5.60
Taiwan		18.00		40.70
		(85-90)		(85-90)

Source: Calculated from the Statistics on Direction of Trade - U.N.

Table 3

Direct	ion of Tra	de as	Percent	age of	Total I	rade o	f Sri La	nka	
thous enterly by	1974	1976	1978	1980	1982	1984	1986	1988	1990
Korea Rep. of	yan sanan Kaliyada ne	din bes		.01		gengares e ar kom		707 171	
Exports	.001	8 .007	.034	.019	.08	.34	.18	18	.258
Imports	.416	.79	.716	1.73	2.0	2.11	3.81		
Hong Kong			2010 (1511) 2011 (1511)						
Exports	1.27	2.52	1.453	.98	.81	1.05	.9	1.04	.89
Imports	.17	.53	1.42	2.05	2.32	3.19	4.66	5.11	4.56
Singapore				43					
Exports	1.21	2.97	2.03	1.13	3.74	1.06	2.39	2.67	2.35
Imports	2.79	1.7	2.6	4.5	5.97	5.53	3.92	4.07	3.89
Taiwan	11, 27, 19, 2	B 制作模型					a Elakuda	Fisher)	
Exports		2002	interest in		and also		.11	.23	.4
Imports		100 00			kog saria	s sendt	4.76	4.62	5.6

Source: Based on Directions of Trade Statistics U.N.

Balance of Payment on Trade Account of Sri Lanka and NICs

During the 1970s Sri Lanka's export and import markets were mainly dominated by the industrialized countries. Although at present the newly industrialized countries provide a small market for Sri Lanka, during the 1970's Hong Kong and Singapore - two old trading partners of Sri Lanka - together accounted for 1 percent of Sri Lankan exports and 1.9 percent of imports during that period. There was no marked trade relationship with Korea and Taiwan during that period.

After the 1980's the trade relation ship with the Republic of Korea and Talwan were widened. The total export trade in Korea increased from USS 01 million in 1974 to USS .03 million in 1978 and to USS 4.9 million in 1990.

Had imports have been increasing more rapidly than exports in relation to all NICs. In general, the average arrangl growth rates of imports to Schlanka have exceeded the growth rates of exports. As a result, Schlanka has been experiencing unlavourable trade balances in respect of NICs throughout this period.

Changing Pattern of Trade Between Sri Lanka and NICs

There have been significant changes in Sri Lanka's trade with respect to NICs. during the past few decades. Hong Kong and Singapore were our older trade partners in export as well as imports in the 1970's. Hong Kong and Singapore which totally accounted for 3.48 percent of our exports in 1970 have increased to 4.55 percent in 1982 and declined to 3,24 percent in 1990. The reason is the slight deckne of Hong Kong's share during that period. Hong Kong a state has decreased from 1.27 in 1974 to .89 percent in 1990. However, of all the NICs Singipore today constitutes the largest export number of Sri Lanka. All NICs logether accounted for 3.098 percent of our total expects.

With regard to the impact market the most striking feature is the marked ruse in the share of South Korea and Taiwan during this period.

Sci Lanka purchised only .416 percent of Korca's exports in 1974 has increased to 4.85 percent in 1990. Table 3 shows the sharp increase in import share of NiC's during that there. In 1990 they all accounted for about 9.28 percent of our imports have increased to 18.9 percent to 1990.

Changing Pattern of Commodity Composition of Trade Between Sri Lonka and the Newly Industrialized Asian Countries

The Export Market

At the beginning of the 1970's Srt Lanknexported a limited number of commodifies to the NICs and they were mainly agricultural goods, the materials, food, beverages and mineral products. Agricultural goods consisted of Tea.Rubber, Coronut and niliver agricultural goods such as cardament, commands, pepper, and coffee. Non traditional industrial exports were gern and jewellery. Tea was the major export item exported to Hong Kong.

The major frem experted to Singapore and Korea in the 1970's was minerals. Graphite was the main from in this
category. Tea, coffee mibber and beverages were the major agricultural goods
experted to Singapore and Korea in the
1970s. One of the major characteristics
of the expert market of Sti Lanka with
respect to NICs is the commodity diversituation which occurred after the 1980s.
New products such as fish and meat
products, cut flower and beverages have
been added to the export basket in the
docate of the 1980s.

Another unist striking feature is that as a developing country traditional manufacture expects, textiles have taken the foreiront 30 major expect terms since 1977 particularly with respect to Hong Keng and Korea. But traditional primary exports of Sit Linka (including faelt still arrount for about 50 percent of the total expects to NICs.

The Import Market

The changes in the import nurket in relation to the NICs is substantial. During the 1970s imports from NICs constituted food products, minerals, internediate goods and other machinery equipment.

With regard to Hong Kong and Singapore, textile was a major import item to the 1970s. The relative share of food and agricultural publishes was insignificant during that period. Fish and meat products arounded for only 2.7 percent of the total import from NICs in 1977. Textiles accounted for 18.9 percent of total imports from Hong Kong and it was the major import market of lexitles.

The significant feature of the import market during the 1080s was the increasing relative share of machinery and transport equipments. Electrical and non-electrical macElitary which constituted 1.78 percept in 1974 has usen to 5.8 in 1990 and from 0.03 percent in

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1974 to 25 percent in 1990 for Hung Kong and Korea respectively.

On the other hand the relative share of manufactured imports from Talwan increased rapidly. Textiles and machinety are the major manufacture imports from Talwan today.

Conclusions

It is found that significant changes have occurred in the pattern of trade between Sri Lanka and NICs during these two decades. Sri Lanka's exports to the NIC's have been increasingly less than it's imports from the NICs. We have experienced negative gains from trade by trading with all East Asian NIC's reflecting a deficit of balance of trade throughout the period.

The study of changing pattern of curomodity composition of trade during that period revealed that in the early seventies we experted to them mainly agricultural goods. The ordy industrial from was gerns. But it should be noted that several changes in the product composition have occurred. New commodities like agricultural as well manufactured goods have been added to the export basket. Textile and garment export is the most traditional industrial export.

With regard to the import market name than 75 percent of the Sri Lanka's imports from NIC's consisted of manufactured goods mainly textiles which accounted for Sit percent of the total. So NIC's emerged as our major import market for textiles.

So we may conclude that So Larka has not gamed very unich by trading with the NICs, but reflects some improvements. The NICs succeeded in capturing a good part of the So Lankam market for their manufactures such as textiles, synthetic materials, holding materials and transport equipment. But Sri Lanka has not yet been able to repture the market for its manufactures in the East Asian region. So Lanka is yet exporting to them the same agricultural and tigh implices and minerals and ten, which it has been selling in the past.

Note :

1.External Total medianise export+Total departments of merchanise imports ratio Gross Demostic Peakingt

Cont. from page. 23

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Sri Lanka: Resources And Expenditures

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ereal improvs	llera, métric bances	96%	1,155	9140	5,506	20,0038	44.41
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