

ECONOMIC CONSEQUENCES OF THE POLICY SHIFT FROM IMPORT

RESTRICTIONS TO LIBERALISED IMPORTS

THE CASE OF SRI LANKA

(1960 - 1984)

Justin Wimalasiri Wickramasinghe

B.A.(Hon), M.A.(Econ), Dip. App. Soc. Stat.(Vid),

M.Ec.(UNE, Australia), Attorney-At-Law.

A thesis submitted in fulfillment of the requirements of the Degree of Doctor of Philosophy of the University of Sri Jayawardhenepure, Nugegoda, Sri Lanka.

1991.

LB/Don/139/93.

2011/4: 2011/4: 2016/4: 2016/4:

> CR 382.5095C W 637 WIC

122070

I certify that the substance of this thesis has not already been submitted for any degree and is not being currently submitted for any other degree. I also certify that any help received in preparing this thesis and all sources used have been acknowledged.

250 Mylo

Abbreviations used in this Thesis

A	E	R		American Economic Review
E	I			Economic International
E	J			Economic Journal
I	E	R		International Economic Review
I	s	I	С	International Standard of In
				dustrial Classifications
J	D	E		Journal of Development
				Economics
J	D	s		Journal of Development Studies
J	I	E		Journal of International
				Economics
J	P	E		Journal of Political Economy
J	R	s	S	Journal of Royal Statistical
				Society
0	E	P		Oxford Economic Papers
P	D	R		Pakistan Development Review
Q	J	E		Quarterly Journal of Economics
S	I	\mathbf{T}	С	Standard International Trade
				Classifications

ting grant the fire audical and spice out to the earth and a series of the fire of the fir

ACKNOWLEDMENT

The work on this thesis was started at the IBERO-AMERIKA INSTITUT FUR WIRTSCHAFTSFORSCHUNG, der Universitat Gottingen, then West Germany, under the supervision of Prof. H. Hesse, Director of the INSTITUT. I am very grateful to Prof. Hesse for the kind advice and guidance given to me.I am also grateful to Dr.H.G. Preusse of the academic staff of the same INSTITUT for helping me in my research work. If not for his assistance this work would not have proceeded.

However, this thesis could not be completed there. Prof. S. Tilakaratne of the Department of Economics, University of Sri Jayawardhenepure, Nugegoda, Sri Lanka, kindly consented to supervise the final stages. My thanks are due to Prof. Tilakaratne for his advice and guidance.

Thanks are also due to my wife Nanada for the kind assistance given to me.

Special thanks are also due to Dr. Wimalaratne, Director, National Archives, for helping me to find the required documents from the National Archives.

I recall here with great appreciation the assistance given to me by the officials of the Ministry of Industries and Scientific Affairs.

My two colleagues, Mr.A.M.M.J. Wijesiriwardhene and Mr.H.K. Herath helped me with the computer work.

Mr. Abeyagunawardene typed an earlier version of this thesis.

None of them are responsible for the views expressed or errors committed; this thesis is my responsibility.

CONTENTS

		P
1.	Introduction	1
1.1	Import Substitution Industrialisation	
	in Sri Lanka	10
1.2	Import Substitution regime Dismally Poor	12
1.3	Methodology	21
1.4	Data	21
1.5	Coverage and Contents	22
	Chapter One Notes	23
2.	Chapter Two -Inward-looking Import Sub	
	stitution Verses Outward-Looking	
	Export Promotion Trade Regimes	24
2.1	Inward-Looking Import Substitution	
	Trade Regimes	24
2.2	First or"easy stage"of IS	
	industrialisation	28
2.3	Second Stage of IS Industrialisation	34
2.4	Outward-Looking Export Promotion	
	Strategy	35
2.5	New Developments in the concept	
	of Trade Strategies	44
	Chapter Two Notes	46
	- · · · · · · · · · · · · · · · · · · ·	
3	Chapter Three - Impact of Trade Regimes	
	on growth and Structural Change	50
3.1	Import Substitution	50
3.1.1	The Chenery Model	51
3.1.2	The Chenery, Shiashado and Watanabe	
	(CSW) Model	54
3.1.3	Morely & Smith Model	56
3.1.4	The Tyler Model	57
3.1.5	Data	60
2 2	Protection to Industry	63

	•	
3.2.1	The Model	68
3.2.2	Tariff Averaging	75
3.2.3	Value Added	78
3.2.4	Data	79
3.2.5	Net Effective Tariff Rate (NETR)	83
3.3	Domestic Resource Cost (DRC)	87
3.3.1	The Model	92
3.4	Export Incentives and Export Growth	
	in Manufacturing	97
3.4.1	Determinants of Manufactured Export	
	Performance	100
3.4.2	The Model	108
3.5	Bias Against Export	115
	Chapter Three Notes	116
4	Chapter Four - Evolution of Trade	
	Regimes (1960-1984)	120
4.1	Economic Policies Under Different	
	Development Strategies	120
4.1.1	Historical Setting	120
4.1.2	Tariffs and Import controls	124
4.1.2.1	Post-Policy reform Period	128
4.1.3	_	129
4.1.3.1	Post-Policy Reform Period	134
4.1.4	Export development Policies	137
4.1.4.1	Post-Policy Reform Period	141
	Chapter Four Notes	150
5	Chapter Five - Measurement of Economic	
	Impact of the Trade Regimes	152
	Demand Side contribution to Total Growt	
5.1.1 I	mport substitution	152
5.1.2	Export Growth	158
5.2	Effective Protection	159
5.2.1		159
5.2.2		
5.3	Domestic Resource Cost	171

,

5.4	Export Incentives and Export Growth in	
	Manufactures	175
	Chapter Five Notes	179
6	Chapter Six Analysis of Economic	
	Policies Under the Trade Regimes	180
6.1	Protection to Industry - The Effective	
	Tariff Rate	180
6.2	Comparative Advantage - Domestic	
	Resource Cost	191
6.3	Export Incentives- The Real Effective	
	Exchange Rate	195
6.4	Relative Incentives to Domestic Market	
	and Exports	201
6.4.1	Bias Against Exports Ratio	205
6.5	Changes in Selected Economic Indicators	
	Before and After the Policy Reforms	
	in 1977	206
6.5.1	GDP and Sectoral Growth	206
6.5.2	Export Growth	216
6.5.3	Unemployment	218
6.5.4	Equity, Basic Needs and Poverty	
	Alleviation	220
6.6	Sri Lankan Experience: A Unique Case	225
	Chapter Six Notes	231
7	Chapter Seven Summary and Conclusions	234
7.1.1	Colonial Economic Structure Sustained	234
7.1.2	First Major Shift	235
7.1.3	Impact of Policy Change	237
7.1.4	Performance Under IS	239
7.1.5	Policy Reforms in 1977	240
7.2	Conclusions	243
7.2.1	Spectacular Consequences	243
7.2.2	Departure from Conventional Models	245
7.2.3	Lack of Export Incentives	246
7 2 4	Correct Step	247

APPENDIX

BIBLIOGRAPHY

List of Tables

				P
1.1	Sri	Lanka:	Exports, Imports, Balance of Trade	l
			and Current Account Balance and	
			Government Current Expenditure	
			(1950-60)	5
1.2	Sri	Lanka:	External Assets and Imports	
			(1945-70)	9
1.3	Sri	Lanka:	GNP, GDP, Investment and Domestic	
			Savings and Growth rates of	
			GDP (in 1970 constant prices)	13
1.4	Sri	Lanka:	World Market Share of Exports,	
			percentage of International	
			sector in GDP and Traditional	
			Exports in Total Exports	14
1.5	Sri	Lanka:	Share of Agriculture and	
			Manufacturing in GDP	16
1.6	Sri	Lanka:	Capacity Utilisation in Industry	17
1.7	Sri	Lanka:	Population Growth and Unemployment	:18
1.8	Sri	Lanka:	Share of Exports, Imports,	
			Trade Deficit in GDP and	
			External Assets	19
1.9	Sri	Lanka:	Annual Average Growth rates	
			in Manufactured Exports	
			(in 1970 constant prices)	20
3.1	Sri	Lanka:	Industrial Production, Imports and	1
			Exports of Manufacturings	64
3.2	Sri	Lanka:	Leontiff Direct and Indirect	
			Coefficients	65
3.3	Sri	Lanka:	Share of Imports in Total	
			Availability	66
3.4	Sri	Lanka:	Value Added in Manufacturing	67
		Lanka:	No. 10	82



3.6	Sri	Lanka:	Industrial Production, Tariffs	
			on output and inputs, raw	
			materials (both local and	
			imported) Power, Fuel,	
			Depreciation, Value Added,	
			Wages and Fixed Assets	89
3.7	Sri	Lanka:	Manufactured Exports and their	
			Annual Average Growth Rates	101
3.8	Sri	Lanka:	Composition of Manufactured	
			Exports	104
3.9	Sri	Lanka:	Annual Average Labour	
			Productivity	105
4.1	Sri	Lanka:	Public Sector share in	
			Industrial Output	123
4.2	Sri	Lanka:	Official Exchange Rates	
		6V	(1949-84)	131
4.3	sri	Lanka:	The Sources and Uses of	
			convertible Rupee Accounts	143
4.4	sri	Lanka:	Incentives for Manufacturing	
			Exports	149
5.1	Sri	Lanka:	Sources of Manufacturing	
			Demand Growth	153
5.2	Sri	Lanka:	Average Effective Tariff	
			Protection to Industrial	
			Sectors in 1974 and 1981	160
5.3	Sri	Lanka:	Rank Correlation Coefficient	
			between Industrial Growth	
			and ETR and ETR and DRC	163
5.4	sr	i lanka:	Estimation of Overvaluation of	
			Exchange Rate under alternative	9
			assumptions	167
5.5	Sri	Lanka:	Net Effective Tariff Rate Range	168
5 6	Sri	Lanka:	Domestic Resource Cost	170

5.7	Sri	Lanka:	Results of the Regression	
			Analysis onManufactured	
			Exports	177
6.1	Sri	Lanka:	Number of Employees in	
			Industrial sector	189
6.2	Sri	Lanka:	Imported Raw Material Use by	
			industries	190
6.3	Sri	Lanka:	Real Effective Exchange Rate for	
			Total Exports, Manufactured	
			Exports and Imports	197
6.4	Sri	Lanka:	Relative Incentives to Domestic	
			market and Exports	202
6.5	Sri	Lanka:	Rates of Effective Tariff	
			Protection for Manufacturing	
			Exports and the Bias Against	
			Exports 1981	207
6.6	Sri	Lanka:	Growth rates of GDP, and some	
			selected sectors	210
6.7	Sri	lanka:	Budget Deficit as a percentage	
			of GDP, Total fixed Capital	
			formation, Government and Public	
			Corporation Fixed Capital	
			formation and the Expenditure	
		Qu'	on Mahaweli Project and	
			Housing Development (1977-84)	211
6.8	Sri	Lanka:		
			1977, 1984 and Their Growth rate	es
			and the share in the GDP in	
			1970-77 and 1977-84 212	
6.9	sr	i Lanka:	Annual Average Growth Rates	
			in Exports	215
6 1	0 Sr	i Lanka:	Relative Income Distribution	
U . I	. DI		Data 1963, 1973, 1978/79	
		98	and 1981/82	223

APPENDIX

A-1	Sri Lanka:	Computer Printout of Input Out
		Table 1976.
A-2	Sri Lanka:	Quantity weights and Import Dyty
		Rates on Individual Manufactured
		Commodities
A-3	Sri Lanka:	Computer Printout of t,c* and m for
		the estimation of k*
A-4	Sri Lanka:	Percentage of Exports in Manufac
		tured Products and the Rate of
		Export susidy
A-5	Sri Lanka:	Break-Down of the Value Added into
		Labour Share, Capital share and
		Profit Share of the Total Product
A-6	Sri Lanka:	Computer Printout of the Regression
		on Incentives and Manufactured
		Export Growth
A-7	Sri Lanka:	Manufacturing output in 1968, 1974,
1978	and 1981	2

List of Figures

			P
3.1	Effective Rate of Protection		69
		•	
3.2	Exchange Rate Effect		106

Abstract

In 1960, twelve years after independence, Sri Lanka made the first major shift in the economic strategy; import substitution industrialisation (IS), in order to transform the colonial "dualistic export-import economy".

The achievements during the IS regime were not impressive. All major indicators showed that the IS regime was incapable of solving any of the major economic problems of Sri lanka.

Having realised the futility of pursuing further with this strategy the Government in 1977, shifted her economic strategy towards liberalisation. The immediate consequences were spectacular, unprecedentedly higher rates of growth in GDP, imports and employment were achieved. However, the progress started waning in the subsequent years.

The impact of the policy change in 1960 to IS industrialisation and the subsequent shift of policy in 1977 were analysed by using some selected indices such as contribution of IS and XP to total demand growth, Effective Tariff Rate (ETR), Domestic Resource Cost (DRC), Real Effective Exchange Rate (REER) and Bias Against Exports. A regression analysis was also made to examine the relationship between the incentive package and the growth in the manufactured exports.

Data were obtained from the Central Bank, Custom Reports and Ministry of Industries and Scientific Affairs.

During the IS regime more than half of the manufacturing sectors showed negative value added at world prices. Tariff rates and growth in manufacturing sectors did not show any correlation, but viewed through DRC fair level of "efficiency" was found among the manufacturing sectors.

Sri Lanka liberalised only domes-

tic market and imports in 1977 and the non traditional exports were placed slightly above free trade level. However, they were discriminated against as fairly high import tariffs were present, while the traditional exports were severely discriminated against by both import and export duties. The negative protective rates were not to be found after the policy reforms and "efficiency" improved marginally.

The growth impulses after policy reforms in 1977 came from non tradables. agriculture, manufacturing and exports, recorded a relaslower rates of growth. The pre-policy reform period (1970-77), showed an overall bias in favour of manufactured exports, but the overall bias of the system after the policy reforms in 1977 was against the manufactured exports. The Government expenditure quite heavy creating a heavy budget deficit. The public sector was dominating in the industrial sector even after the policy reforms in 1977. These two factors undermined the policy reforms. The Real Effective Exchange Rate (REER) and manufacturing export growth showed a positive correlation.

Sri Lanka took the correct step by liberalising the imports and domestic market initially leaving the manufactured exports sector for a later period, as most of her industries were inefficient. However, inability to prevent proliferation of non tradables, the dominance of the public sector industries and the huge budget deficit undermined the whole liberalisation process.

Inordinate delay in liberalising the manufactured exports which could have carried foreword the achievements of import liberalisation excerbated the already decelerating economic growth.