

3.1 Calculation of Elasticity Measures

<i>Regression Statistics</i>	
Multiple R	0.998025
R Square	0.996054
Adjusted R Square	0.995067
Standard Error	0.012922
Observations	11

<i>variables</i>	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>
Intercept	2.72	0.24	11.40	0.00
Log of Cooperative Lending	0.10	0.06	1.86	0.09
Log of BFI Lending	0.50	0.09	5.85	0.00

3.2 Calculation of Sectoral Distribution

3.2 Structure of Cooperative on the basis of Loan (in %)

	Saving-loan Ratio	Capital-loan Ratio	Cooperative number -loan Ratio
2063/67	0.59	NA*	0.56
2064/65	0.81	NA	0.48
2065/66	0.81	NA	0.46
2066/67	0.88	0.15	0.32
2067/68	1.22	0.18	0.25
2068/71	1.56	0.30	0.26
2069/70	1.18	0.27	0.20
2070/71	1.29	0.49	0.22
2071/72	1.31	0.45	0.20
2072/73	1.57	0.42	0.17
2073/74	1.02	0.25	0.12
Average	1.11	0.23	0.30

*NA: Not Available

3.3 Distribution of Growth rate by Cooperative Sectors (GDP growth rate 7.5 %)

Sector	% Growth
Agriculture Sector	0.08250
Saving and Lending Cooperative	0.05250
Non Agriculture Sector	0.09000
Service Sector	0.03750

3.4 Capital Output Ratio and Investment Forecasting of 14th Plan

	Projected Fixed Investment (in 10 million)	%	Capital-output Ratio
Agriculture Cooperatives	3897	27.2	2.9
Service Sector Cooperatives			
Consumption	2323	16.2	-
Electricity	769	5.4	29
Communication	1921	13.4	9
Real state and Housing	975	6.8	5.5
Education	333	2.3	3.5
Health	295	2.1	9
Saving and Lending cooperatives	1386	9.7	3.5
Non Agriculture Cooperative			
Industry	1427	10	6.2
Hotel and Restaurants	167	1.2	6.5
Geology and Mining	39	0.3	7.4
Construction	431	3	3.2
Others	361	2.5	

3.5 Calculation of Required Investment

Sector	Capital Output Ratio	Contribution				Growth Distribution
		5 yrs	10 yrs	15 yrs	20 yrs	
Agriculture	2.90	1.1	1.5	1.75	2.2	0.0825
Saving and Cooperative	3.50	0.7	0.5	0.4	0.3	0.0525
Non Agriculture Sector	5.82	1.2	1.3	1.75	2	0.09
service sector	11.20	0.5	0.7	1.1	1.5	0.0375

3.6 Formula for calculating required Investment (Harrod-Domar Model)

$$g = s/v$$

Where g=growth rate, s is saving (equals to investment) expressed as % of GDP, v capital output ratio.

3.7 Source of Data

- Central Bureau of Statistics, GDP Figures and National Population Census
- Department of Cooperative
- Economic Survey (s) of Ministry of Finance
- Nepal Rastra Bank, Banking and Financial Statistics
- www.un.org/esa/socdev/documents/2014/coopsegm/grace.pdf

3.8 Conceptualization

Cooperative and State Policy: Harmony, contribution, mainstreaming, enabling policy environment

Cooperative and Economic prosperity: Instrument of development, investment, capital formation,

Cooperative and good governance: Legitimacy, delivery, participation, accountability, rule of law

Cooperative and member development: Skill and entrepreneurship, professionalism, protection, networking, sustainable livelihood

Cooperative and business/entrepreneurship: Enterprise development, production and productivity, market intervention

Cooperative and programme management: Cooperative development programme, awareness raising and sensitization, education and information