

Annexes

Table A1: Share of Different Sectors in Total Development Expenditure During Various Plan Periods (as percentage of total)

Sectors	Plan Periods								
	I 1956-61	II 1962-65	III 1965-70	IV 1970-75	V 1975-80	VI 1980-85	VII 1985-90	VIII 1992-97	IX 1997-2002
Agriculture	9.41 ¹	14.6 ²	17.6	21.7	25.4	27.9	27.9	25.7	27.0
Transport and Communication	44.3	11.7	31.3	41.2	27.7	19.3	15.7	17.7	17.6
Industry, Mining and Commerce	11.1	40.4	10.0	14.5	18.8	21.7	23.9	24.2	21.1
Electricity									
Social Services	17.4	16.0	17.2	17.3	23.2	29.5	29.5	31.5	33.3
Others	17.3	13.3 ³	23.9	5.3	4.9	2.6	3.9	0.9	0.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100	100.0	100.0
(Rs. in million)	(214.4)	(596.8)	(1,574.7)	(3315.6)	(8832.6)	(15,582.8)	(74,174.0)	(113,479.0)	(189,580.0)

Notes: The figures up to the Eighth Plan are actual whereas those for the Ninth Plan are as proposed by the NPC.

1. Includes irrigation and drinking water but excludes land reform, land survey and cooperatives
2. Excludes land reform, cooperatives, land survey
3. Includes land reform, surveys, cooperatives, statistics, training and the Rapti Valley Development Project

Sources: NPC (1961) cited by Shrestha (1967); Paudel, 1986; APROSC, 1986a; NPC, 1980, 1985, 1992b, 1998.

Table A2: **Sex Composition of Economically Active Population by Industry (in percentage)**

Industry	Male			Female		
	1971	1981	1991	1971	1981	1991
I. Agriculture and Forestry	69.6	63.6	55.0	30.4	36.4	45.0
II. Non-agriculture	90.5	85.7	79.8	9.5	14.3	20.2
- Mining and Quarrying	86.1	73.3	79.4	13.9	26.7	20.6
- Manufacturing	87.5	85.1	77.1	12.5	14.9	22.9
- Elect., Gas and Water	98.4	95.2	93.6	1.6	4.9	6.4
- Construction	97.2	94.1	89.1	2.8	5.9	10.9
- Commerce	87.7	85.0	76.3	12.4	15.0	23.7
- Transport and Communication	96.7	95.4	96.1	na	10.2	16.4
- Finance	na	89.8	86.6	na	10.2	13.4
- Personal and Community Services	96.1	85.5	79.0	3.9	14.5	21.0
- Others	na	na	93.3	na	na	6.7
III. Not Stated	na	na	76.8	na	na	23.2
Total	70.8	65.4	59.6	29.2	34.6	40.4

Sources: Population Census, 1971, 1981 and 1991, cited in Acharya (1994)

Table A3: **Distribution of Economically Active Population by Sex and Industry (in Percentage)**

Industry	Male			Female		
	1971	1981	1991	1971	1981	1991
I. Agriculture and forestry	92.8	88.7	74.9	98.2	95.8	90.5
II. Non-agriculture	7.2	9.2	23.8	1.8	2.1	8.9
- Manufacturing	1.3	0.6	2.6	0.5	0.2	1.2
- Electricity, gas and water	0.1	0.1	0.3	-	0.0	0.0
- Construction	0.1	0.0	0.7	0.0	0.0	0.1
- Commerce	1.6	2.1	4.5	0.6	0.0	2.0
- Transport and communication	0.3	0.2	1.1	0.0	0.0	0.1
- Finance and business services	0.1	0.2	0.4	0.0	0.0	0.1
- Personal and community services	3.7	6.0	13.6	0.8	1.9	5.3
- Mining and quarrying	-	0.0	0.0	-	0.0	0.0
- Others	-	-	0.6	-	-	0.1
III. Not stated	-	2.1	1.2	-	2.1	0.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

Sources: Population Census, 1971, 1981 and 1991, quoted in Acharya (1994)

Table A4: **Male/Female Time Use Pattern in Conventional Economic Activities, in Number of Hours (Comparative Figures for 1961 and 1993 (at 1972/73 prices)**

Activities	1961		1993		1961		1993	
	M	F	M	F	M	F	M	F
Animal husbandry	1.43	0.97	1.76	1.07	1.78	1.81	1.37	1.01
Agriculture	2.72	2.74	1.98	2.54	0.70	1.12	0.48	0.56
Manufacturing	0.42	0.45	0.53	0.48	0.05	0.05	0.04	0.15
Outside earnings: wage, salary, business, tea shops	1.24	0.46	1.50	0.69	0.17	0.24	0.02	0.18

Source: Stri Shakti (1995).

Annex 2: List of Institutions Concerned with Agricultural Development

Institutions	Main Subsector/Subject/Service of Influence
I. National Planning Commission	Formulation of national development policies, screening and approval of development projects, allocation of foreign scholarships
Central Bureau of Statistics	Collection, analysis and dissemination of statistics, including agricultural statistics
II. Ministry of Agriculture	
A. Departments	
1. Agriculture	Research not covered by NARC, extension and support services in field crops, horticulture, vegetable and industrial crops, apiculture, sericulture, etc.
2. Livestock Service	animal husbandry, veterinary services and pasture development
3. Cooperatives	Cooperatives
4. Central Food Research Laboratory	Research and extension in food technology and implementation of food and feed acts
B. Corporations/Boards	
1. Agricultural Inputs' Corporation	Seeds, fertiliser, pesticides
2. Dairy Development Corporation	Dairy processing and marketing
3. Nepal Tea Development Corporation	Production, processing and distribution of tea
4. Agricultural Tools' Factory	Production and distribution of farm tools
5. Agricultural Lime Industry	Production and distribution of agricultural lime
6. Cotton Development Board	Research, extension and some support services for production of cotton
7. Animal Feed Development Board	Production and distribution of animal feed
8. Agricultural Projects' Services' Centre	Consultancy and socioeconomic research services
9. Kalimati Fruit and Vegetable Wholesale Market Development Board	Operation and management of the Kalimati market
C. Affiliated Autonomous Bodies	
1. Nepal Agricultural Research Council	Research
2. National Dairy Development Board	Design and advice on dairy policies and projects
3. Tea and Coffee Development Board	Design and advice on tea and coffee policies and projects
4. National Cooperative Development Board	Cooperative policies
III. Ministry of Forests and Soil Conservation	
A. Departments	
1. Forest	Forestry
2. Soil Conservation	Watershed management
3. National Parks and Wildlife Management	Management of national parks and wildlife reserves
4. Plant Research	Research on plants and management of herbarium

Annex 2: **List of Institutions Concerned with Agricultural Development** (Cont'd)

Institutions	Main Subsector/Subject/Service of Influence
B. Corporation/Companies/Boards	Promotion of production and collection of herbs and their processing and distribution
1. Herb Production and Processing Company	
2. Forest Products' Development Board	
IV. Ministry of Water Resources	
A. Department/Agencies	
1. Irrigation	Design and implementation of public sector irrigation projects
2. Hydrology and Meteorology	Meteorological and hydrological research and information services
3. Water and Energy Commission	Design and advice on water and energy-related policies and programmes
V. Ministry of Land Reform and Management	
A. Departments	Implementation of land reform policies
1. Land Reform	
2. Survey	Survey of agricultural and other lands
3. Land Revenue	Collection of land revenue, and land registration
B. Corporation	Management of trust properties including trust lands
1. <i>Guthi Sansthan</i> (Public Trusts' Corporation)	
VI. Ministry of Supplies	Design and influence public distribution policies
Corporations	
1. Nepal Food Corporation	Procurement and distribution of food grain and essential oils
2. Timber Corporation of Nepal	Felling and distribution of timber for construction
3. Fuelwood Corporation	Collection and distribution of fuelwood
4. Salt Trading Corporation	Procurement and distribution of sugar, food processing
5. National Trading Limited	Importation and distribution of consumer goods and consumer durables including farm machinery
VII. Ministry of Finance	Financial policy formulation and implementation. Financial resource allocation for different sectors
Departments	
1. Income and Sales' Tax	
2. Customs	
3. Excise	
Corporations	
1. Nepal Bank Limited	
2. Agricultural Development Bank	Agricultural and rural credit
3. <i>Rastriya Banijya</i> (National Commercial) Bank	
VIII. Ministry of Industry	Industrial policies
A. Department/Boards (of direct concern to agriculture)	
1. Department of Industry	Issue licence to industry

Annex 2: **List of Institutions Concerned with Agricultural Development** (cont'd)

Institutions	Main Subsector/Subject/Service of Influence
2. Department of Cottage and Village Industries	Issue licence to small industries and provide training
3. Cottage and Small Industries Development Board	Promotion
<u>Corporation/Industries concerned with Agriculture:</u>	
1. Birgunj Sugar Factory	Sugar processing
2. Lumbini Sugar Factory	Sugar processing
3. Morang Sugar Mills	Sugar processing
4. Birtnagar Jute Mill	Jute processing
5. Janakpur Cigarette Factory	Cigarette production
IX. Ministry of Commerce	Determines international trade policies
1. Department of Commerce	Implementation of trade policies
2. Trade Promotion Centre	Promotion of trade
X. University	
Institute of Agriculture and Animal Service	Production of trained manpower in agriculture
Institute of Forestry	Production of trained manpower in forestry
Institute of Applied Science and Technology	Production of trained manpower in food science and technology

Annex 3: List of Existing Laws Influencing Agricultural Decisions

Laws	Spheres of Influence
1. Civil Code, 1961	Inheritance, and slaughter of female animals
2. Agricultural Development Bank Act, 1967	Establishes specialised agricultural credit institution, restricts ADB's authority in lending against the collateral of mobile property or production projects
3. Nepal Rastra Bank Act, 1995	Establishes a central bank and a monetary authority that regulates, <i>inter alia</i> , institutional flow of agricultural credit
4. Foreign Exchange (Regulation) Act, 1962	Authorises government's control in exchange rate determination
5. Audit Act, 1967	Centralizes auditing system
6. Act to Promote Use of Nepali Currency, 1957	Forbids use of foreign currency in internal trade
7. Alcohol Act, 1974	Regulates production of alcohol, and permits home brewing and distillation
8. King Mahendra Nature Conservation Trust Act	Establishes a fund for conservation of biodiversity
9. Soil and Water Conservation Act, 1982	Establishes legal frame for the conservation of soil and watersheds—Authorises government to regulate cultivation practices in areas designated by it
10. Decentralisation Act, 1982	Authorises local governments to undertake development activities and to levy certain taxes
11. Natural Calamity (Relief) Act, 1982	Authorises government to regulate civil behaviour in case of natural calamities
12. National Parks and Wildlife Protection Act, 1972	Authorises government to establish national parks and wildlife reserves, and to evict people from the protected areas
13. Finance Act, (Promulgated every year)	Authorises the government to implement its financial policies
14. Village Development Committee Act, 1991	Establishes VDCs, authorises them to levy certain taxes and to undertake local-level development activities. Prorogues earlier Village Panchayat Act
15. District Development Committee Act, 1991	Establishes DDCs, authorises them to undertake district-level development activities and to collect taxes (land tax, water, cess)
16. Foreign Trade (Regulation) Act, 1956	Authorises government to regulate international trade including trade in agricultural commodities and raw materials
17. Private Firm Act, 1957	Regulates the establishment and operation of private firms
18. Company Act, 1964	Regulates the establishment and operation of private companies including those related to agriculture
19. Black Marketing and other Social Crime and Punishment Act, 1975	Controls trade in agricultural products, cancels the earlier acts established in 1952
20. Civil Rights Act, 1975	Defines and restricts certain civil rights including sale of property to foreigners
21. Immobile Property Acquisition Act, 1956	Authorises government to procure any private property at a rate set by it

Annex 3: List of Existing Laws Influencing Agricultural Decisions (Cont'd)

Laws	Spheres of Influence
22. Essential Commodities' Control (Authority) Act, 1960	Authorises government to exercise control over trade in agricultural commodities
23. Corporations' Act, 1964	Authorises government to establish corporate bodies and parastatals to undertake business activities related to agriculture
24. Development Board Act, 1956	Authorises government to establish semi-autonomous bodies for any development-related activities
25. Revolving Fund Act	Authorises government bodies to establish revolving funds for any purpose including agricultural development
26. Act Related to Contracts, 1967	Regulates and defines arrangements for contracts including contract in agricultural trade
27. Standards Measures and Weights' Act, 1968	Introduces metric system of weight and measures
28. Drugs' (Control) Act, 1976	Declares hemp as illicit drug and prevents production of specified crops without prior authorisation of the government
29. Social Behaviour (Improvement) Act, 1976	Regulates social behaviour and exercises control over some rural and traditional social functions
30. <i>Birta</i> Abolition Act, 1959	Abolishes the exemptions granted on the payment of land revenue to the owner of <i>birta</i> land
31. Aquatic Life Protection Act, 1960	Regulates fishing in rivers and natural lakes
32. Land (Measurement and Categorisation) Act, 1962	Authorises government to undertake new land surveys and to categorise them
33. Ukhada Related Act, 1965	Abolishes <i>zamindari</i> system of tenancy and transfers the land to tenants
34. Lands Act, 1965	Introduces ceiling on land holdings
35. Food Act, 1967	Control over food quality
36. Act to Manage (Sale of) Land of the Rapti Dune Development Area, 1968	Authorises government sale of the land by clearing forests in the Rapti Valley
37. Pasture Land Nationalisation Act, 1974	Nationalises traditionally communally-owned pasture lands in the country
38. Land Administration Act, 1967	Introduces <i>inter alia</i> formalities and formats for registration of tenants in the land title papers
39. Act Related to Land in the Jhora Area 1971	Regularises the distribution of land in Jhora area of eastern <i>Tera</i>
40. Forests Act, 1990	Repeals the Forestry Act of 1956 and legalises establishment of users' groups in community forestry and leasehold forestry
41. Forests' Act, 1956	Nationalises forests
42. Feed Act, 1976.	Regulates the production and distribution of animal feed
43. Cooperatives' Act, 1994.	Repeals the earlier Cooperatives' Act of 1950s and reduces the government's control over formation of cooperatives

Annex 3: List of Existing Laws Influencing Agricultural Decisions (Cont'd)

Laws	Spheres of Influence
44. Seeds' Act, 1990	Regulates introduction of seeds of new varieties, authorises government for quality control
45. Pesticides' Act, 1991	Regulates import, production and distribution of pesticides
46. Statistics' Act, 1958	Regulates collection, collation and publication of all statistical information
47. Industrial Enterprises' Act, 1992	Repeals the Industrial Enterprises Act, 1961—promotes private sector investment in industries
48. Foreign Investment and Technology Transfer Act, 1992	Repeals the Foreign Investment and Technology Transfer Act, 1981, liberalises transfer of foreign technology
49. National Cooperative Development Board Act, 1992	Establishes a national-level autonomous Cooperative Development Board
50. Nepal Agricultural Research Council Act, 1990	Establishes an autonomous Nepal Agricultural Research Council for agricultural research
51. Water Resources Act, 1982	Delicenses private sector investment in hydro-electricity generation up to 100 kw—protects against nationalisation of the private sector investment in hydro-electric projects. Repeals the Related to Water Resources Related to Canal and Electricity, 1967
52. Civil Service Act 1994	Repeals the Civil Service Act of 1956, regulates recruitment, transfer and promotion of civil servants

Annex 4: Donor-Funded Forestry Sector Projects in Nepal

No.	Donors	Duration	Budget (mill)	Project's Name
1.	ADB, UNDP	1986-93	\$10.0	Nepalganj Forest Development Project
2.	ADB	1990-95	\$21.0	Forestry Programme Loan
3.	AIDAB	1991-96	A\$ 9.5	Nepal Australia Comm. Fore. Project
4.	CARE/N	1993-97	\$1.5	Syangja Ankhikhola Watershed Mgt. Proj
5.	CARE/N	1990-95	\$2.0	Begnas Tal Rupa Tal Watershed Mgt. Proj
6.	CIDA	1985-94	\$18.0	Kamali Bheri Int. Rural Dev Proj.
7.	DANIDA	1992-96	\$2.0	Tree Improvement Programme
8.	DANIDA	1989-96	DC33.0	Commu. Fore. Training Project
9.	DANIDA	1995-	DK12.5	Watershed Mgt. Proj
10.	EEC/EU	1985-96	ECU5.5	Bagmati Watershed Project
11.	FINNIDA	1991-95	\$9.0	Forest Mgt. and Uti. Project
12.	FINNIDA	1994-95	FM5.0	Forest Res. Inf. Sys. Project (II)
13.	FINNIDA	1989-93	FM3.5 NRs1.0	Fore. Sector Inst. Stre. Comp 1
14.	FINNIDA	1990-93	FM37.0 NRs24.5	-do- Com 2
15.	FINNIDA	1989-92	FM9.5 NRs9.5	Int. Watershed Mgt. Project
16.	FINNIDA	1992-92	FM0.6	Forest Mgt. and Uti. Plan for SFDP
17.	Italy	1994-97	\$1.0	Inter-Regional Proj. for Participatory Upland Cons. and Dev, Nepal
18.	GEF, UNDP, WMI	1988-2000	\$8.0	Makalu Barun Nat. Parks and Cons. Area
19.	Netherlands	1994-95	NG0.5	Bio-diversity Profile Project
20.	IFAD, FAO	1993-96 1997-2001	\$18.0	Hill Leasehold Forestry and Forage Dev. Project
21.	ITTO	1993-97	\$1.0	Training and Mgt. Dev in Forestry
22.	JICA	1991-94	NRs 57	Forestry Ext. and Demons. Network Project
23.	JICA	1994-99	-	Comm. Dev, Forest and Watershed Cons. Project
24.	JICA	1994-95	NRs 5.0	Forestry Ext. Activities Support Project
25.	Norway, FAO	1992-97	\$3.0	Shivapuri Int. Watershed Project
26.	ODA	1994-96	£5.0	Nepal UK Fore. Res. Project
27.	ODA	1993-98	£7.0	Nepal UK Commu. Fore. Dev. Project
28.	SDC/N	1991-96	\$4.0	Dolakha Ramechhap Comm. Fore. Dev. Proj.
29.	SDC, GTZ	1992-95	\$1.0	Palpa Dev. Program
30.	SNV, TRANS/CIDA, WWS-US, MOT. DOT	1992-2002	NRs 0.3/yr	Annapurna Cons. Area Project
31.	UNCHR	1993 onwards	-	Bhutanese Refugee Project
32.	UNDP, GEF	5 Years	\$6.0	Bio-diversity Cons. Nepal Project
33.	UNDP, ADB, FINNIDA	1986-93	\$19.0	Sagarmatha Fore. Dev. Project
34.	UNDP, FAO	1986-92	\$2.0	Watershed Mgt. Project
35.	UNDP	1994-97	\$2.0	Parks and People Project

Annex 4: **Donor-Funded Forestry Sector Projects in Nepal** (Cont'd)

No.	Donors	Duration	Budget (mill)	Project's Name
36.	USAID	1990-95	\$9.0	Forestry Dev. Project
37.	USAID	1987-95	\$29.0	Rapti Dev. Project (III)
38.	USAID	1995-2002	\$11.0	Env. and For. Enterprise Proj.
39.	WB	1995-	JY56.0	The Terai and Siwaliks Fore. Dev Proj. (Fore. Sector Dev Proj)
40.	WB	1987-94	NRs11.5	Rasuwa Nuwakot Soil Cons. Project (II)
41.	WB, UNDP	1990-96	\$23.0	Hill Comm. Fore. Programme
42.	GTZ	1994-97	-	Churia Fore. Dev. Project

Source: FDP (1995)