

APPENDIX 3: OBJECTIVELY VERIFIABLE INDICATORS

APPENDIX 3-1: GOVERNANCE INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To promote Good Governance in the management of private and public affairs as a mechanism of poverty reduction							
To ensure better decision-making through wider use of the consultative process for citizens	Development and implementation of a decentralisation policy		N/A		Done	2004	MLGH
	Proportion of Members of Parliament who are women (%)	I	12	2001	30	2005	NA, GIDD
	All leaders of political parties to denounce corruption	F	-		Done	2004	public media
	People's perception as to current levels of corruption (%)	I	-		TBD		CSO, ACC
	Review of Executive powers in the Constitution	F	-		Done	2004	MOLA, CO
	Review of electoral legislation	I	-		Done	2004	Electoral Commission
To ensure efficient, equitable, and transparent management of public resources	Public expenditure review, recommendations, implementation (%)	I	TBD		100	2004	MFNP, CO-PSMD
	Financial discipline of controlling officers on variation of budgeted expenditure	I	TBD		-		MFNP, CO-PSMD, ACC
	Public Service Commission to appoint all civil servants	I	-	2001	Done	2004	CO
	Monetisation of public service benefits (%)	I	TBD	2001	100	2004	PSMD, ACC
	Reduction in incidences of corruption and abuse of office (number)	I	1262	2000	< 1262	2004	
To ensure guaranteed justice for all citizens	Backlog of cases awaiting discharge (number, year end)	I	16,964	2001	4,000	2004	MOLA- Judiciary
	Additional courtrooms built (number)	I	TBD		185	2004	Judiciary
	People's perception as to the current levels of crime (%)	F	TBD		TBD		CSO, Police Service

Type of indicator: I = Intermediate, F = Final/TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-2: MACROECONOMIC INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To achieve a high and sustained level of real GDP growth, with greater equality of opportunity, income and access, in a low inflation environment, and with a sustainable external sector position	Real annual GDP growth rate (%)	I	5.2	2001	5.5	2004	CSO: NA
	Real annual per capita GDP growth rate (%)	I	2.2	2001	1.1	2004	CSO: NA
	Incidence of poverty (Headcount,%)	F	73	1998	65	2004	CSO: LCMS
	Rural incidence of poverty (Headcount, rural,%)	F	83	1998	75	2004	CSO
	Urban incidence of poverty (Headcount, urban,%)	F	56	1998	50	2004	CSO
	Poverty Gap (incidence and depth) (index)	F	0.55	1998	0.4	2004	CSO
	Gross Domestic Investment (% of GDP)	I	14.9	1998	20	2004	CSO
	Inflows of FDI (\$ million)	I	72	2001	88	2004	CSO, ZIC
To increase the level and quality of investment (both local and foreign) and national savings (particularly private sector savings)	Recapitalisation of DBZ or any substitute source of long-term credit (\$ million)	I	N/A		10	2004	MFNP
To lay the foundation for sustainable external sector position (in the medium term) by consolidating trade sector reforms, promoting increased FDI, and marshalling external sector support on highly concessional terms	Annual growth in the value of exports (%)	I		2001	7.5	2002-04	CSO, BOZ
	Establishment of an effective trade dispute resolution institution	I	-		Done	2003	CSO
	HIPC completion point reached	I	-		Done by	2003	MFNP
To increase the efficiency and effectiveness of public service delivery by restructuring government departments, effecting a competitive pay package for civil servants, and increasing resource allocation to key economic and social sectors	MFNP funding to all departments reflects yellow book (% of yellow book estimates)	I	TBD	2001	> 80	2004	MFNP
	Domestic arrears reduced to zero (End year, K billion)	I			0	2006	MFNP
	Activity-based budgeting adopted across government (Number of ministries)	I	7	2001	All	2004	MFNP
	Observance of annual milestones of the PSRP	I	TBD		2002-04		CO
	Overall expenditure patterns reflect the priorities in the PRSP	I	TBD		>80% fit	2002-04	MFNP
To achieve and maintain a stable macroeconomic environment	Annual rate of inflation (End year, %)	F	18.7	2001	5	2004	CSO
	Full BOZ supervisory compliance with Basle Core Principles	I	TBD		Done	2004	MFNP

Type of indicator: I = Intermediate; F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-3: AGRICULTURE INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS	(unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To promote a self-sustaining export-led agricultural sector, which ensures increased household income and food security	Real annual growth in agricultural GDP	(%)	F	(2.6)	2001	>10		CSO
	Percent of food-insecure households	(%)	F	67	2000	<35	2004	CSO: LCMS, PAM
To generate income and employment through increased agricultural production and productivity	Total employment in agricultural sector	(formal and informal)	I	520,520	2000	800,000	2004	CSO: PHS
	Value of livestock sales: cattle	(\$ per annum)	F	2,904,880	1999	4,500,000	2004	MAC
	sheep		F	72,083	1999	90,000	2004	MAC
	goats		F	953,757	1999	1,500,000	2004	MAC
	pigs		F	343,196	1999	600,000	2004	MAC
To enhance the sector's contribution to the national balance of	Earnings from agricultural exports	(\$ m)	F	265	2001	480	2004	EBZ, CSO
	Small-scale farmers organised in outgrower schemes	(number)	I	100,000	2000	125,000	2004	PHS
To contribute to production and productivity through land and infrastructure development	GDP growth in the food, beverage, and tobacco sub-sector	(%)	F	5.1	2001	20	2000-2004	CSO-NA
	Farmers practising irrigation	(number)	F					MAC
	Total land available for agricultural purposes	(hectares)	I					MOL
	Farmers using animal power	(number)	F	229,000	2000	290,000	2004	MAC
	Farmers using non-animal power	(number)	F	291,000	2000	360,000	2004	MAC
To ensure national and household food security through dependable annual production of adequate supplies of basic foodstuffs at competitive prices through technology development and dissemination	Months of food reserve	(number)	I	TBD		TBD		CSO, FRA, MAC
	Livestock disease burden (ECF, FMD, CBPP)	(cattle per 1,000)	I	2.6	2001	1.3	2004	MAC
	Farmers accessing extension and veterinary services	(number)	F	600,000	2001	1,500,000	2004	MAC
	Tonnes of maize produced nationally	(tonnes)	I	8,512	2000/01	16,500	2003/04	MAC
	Area cultivated for maize crop	(hectares)	I	583,856	2000/1	2,300,000	2003/4	MAC
To ensure that the existing agricultural resource base is maintained and improved upon, through a targeted support system for food security	Smallholder farmers practising crop rotation		F	TBD		TBD		
	Small-scale farmers practising contour ridging		F	TBD		TBD		
	Small-scale farmers using green manuring		F	TBD		TBD		
	Farmers practising conservation farming		F	TBD		TBD		

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-4: INDUSTRY INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To promote growth of an export-led industry leading to employment creation and poverty reduction	Growth rate of manufacturing GDP (% per annum)	F	5.8	2001	6	2002-2004	CSO
	Growth rate in manufacturing employment (% per annum)	F	3.9	2000	5	2002-2004	CSO
To increase domestic and foreign investment in manufacturing	Pledged Foreign Direct Investment in manufacturing (\$m per annum)	I	28.0	2001			ZIC
	Domestic pledged investment in manufacturing (\$m per annum)	I	2.4	2001	3.5	2004	ZIC
To increase exports from manufacturing	Growth in value of manufactured exports (% per annum)	F	TBD		TBD		EBZ, CSO
To develop and diversify the capital market	Market capitalisation (\$m at year end)	I	248	2001	400	2004	LUSE
	Growth of LUSE all shares index (% per annum)	F	(-0.6)	2001	5	2002-2004	LUSE
To improve industrial skills and craftsmanship	Reintroduction of two apprenticeship schemes	I	-		Done	2004	TEVETA, MOE
To improve the application of science, technology and R & D to manufacturing activities	Conduct economic census for estimating R & D activities	I	-		Done	2004	CSO, MCTI
To develop and improve operations of MSME entrepreneurs in business management and technical skills	Enterprises registered with SEDB (number, year end)	I	150	2001	300	2004	SEDB
	Entrepreneurs receiving training in business management and technical skills (number)	I	92	2001	500	2002-2004	SEDB
To further develop rural-based industrial enterprises	Rural-based industrial enterprises (number)	F	TBD		TBD		CSO, MCTI
	Employees in rural-based enterprises (number)	F	TBD		TBD		CSO, MCTI

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-5: TOURISM INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year ⁷	TARGET	Year	DATA SOURCE
Overall: To enhance the tourism sector's contribution to economic growth and poverty reduction	Real annual growth in value added of restaurants, bars, and hotels (used as proxy for tourism) (%)	F	12	2000	10	2002-2004	CSO, MTENR, MFNP MTENR
	Tourist arrivals (number)	F	457,503	2000	550,000 650,000 750,000	2002 2003 2004	
To develop infrastructure in tourism areas	Access roads upgraded (km)	I	TBD		1,294		MTENR, MWS, NRB
	National parks roads upgraded (km)	I	TBD		2,790		MTENR, MWS, NRB
To promote investment in the tourism sector	Employment in the tourism sector (number)	F	11,892	2000	15,000	2004	MTENR
	Tourism investment pledges (\$ m)	I	19.3	2000	TBD		ZIC
To encourage community participation in wildlife conservation	Game Management Areas (GMAs) (number)	I	36	2000	40	2004	ZAWA
	Wildlife population (number)	F	-	2000	TBD	2004	ZAWA
	Revenues shared with local communities in GMAs (\$ m)	F	-	2000	TBD	2000	ZAWA
To diversify the tourism portfolio to exploit niche markets	Bed occupancy rate (%)	F	34	2000	40	2004	MTENR
	Room occupancy rate (%)	F	37.2	2000	45	2004	MTENR
	Foreign exchange earnings from tourism (\$ m)	F	116	2000	150	2004	MTENR
	Tourism establishments (number)	F	523	2000	TBD		MTENR
To encourage private sector participation in training of personnel	Training institutions established in the private sector (number)	I	TBD		TBD		TEVETA
	Persons trained in tourism by the private sector	I	TBD		TBD		HTTI

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

⁷ The year 2000 is used as the base for all indicators in the tourism sector. Tourism figures in 2001 were artificially inflated because of an unusual event (a solar eclipse).

APPENDIX 3-6: MINING INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
<i>Overall: To promote investment in the mining industry and ensure the development of a self-sustaining mineral-based industry</i>	Total capital investment in mining sector operations (pledged) (\$ m)	I	14.6	2001		2020	ZIC
To attract investments for development of large-scale mines through infrastructure development	N/A	N/A	N/A		N/A		N/A
To revitalise and ensure realisation of the potential of the small-scale mining sub-sector	Plant hire scheme in place	I	-		Yes	2004	MMMD
	Gemstone exchange in place	I	-		Yes	2004	MMMD
	Revolving fund established	I	-		Yes	2004	MMMD
	Number of small-scale mining licenses issued (cumulative) (number)	I	112	2001	172	2004	MMMD
	Number of gemstone licenses issued (cumulative) (number)	I	524	2001	644	2004	MMMD
	Number of artisan mining rights issued (cumulative) (number)	I	479	2001	619	2004	MMMD
	Number of prospecting permits issued (cumulative) (number)	I	47	2001	107	2004	MMMD
	Persons employed in small-scale mining operations (number)	F	TBD		TBD		MMMD
Export earnings from gemstones (\$ m)	F	10.4	1998	TBD		MMMD	

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-7: EDUCATION INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE				
Overall: To provide relevant, equitable, efficient, and quality education for all	Literacy rate (population aged 15 and over) (%)		67	1999	80	2015	CSO				
BESSIP programme: To increase access to upper Basic Education and improve quality and relevance	Gross enrolment rates (%)	F	<u>1-7</u> 78	<u>8-9</u> *16	<u>1-9</u> *75	2000	<u>1-7</u> 95	<u>8-9</u> *50	<u>1-9</u> *90	2004	MOE
	Net enrolment rates	F	66			2000	90			2004	MOE
	Dropout rates	F	4.5			2000	2.5			2004	MOE
	Progression rates	F	TBD			2000	TBD			2004	MOE
	Repetition rates	F	6.2			2000	3.0			2004	MOE
	Pupil/teacher ratio	F	50			2000	35			2004	MOE
	Pupil/class ratio	F	36			2000	30			2004	MOE
	Pupil/textbook ratio	F	E (0.63) M (0.39) ZL(0.20)			2000 2000 2000	E(0.63) M(0.5) ZL(0.5)			2004 2004 2004	MOE MOE MOE
	School attendance rates	F				
High School Programme: To increase access and retention, and ensure quality education	Gross enrolment rates (%)	F	<u>10-12</u> *12	<u>8-12</u>		2000	<u>10-12</u> 50	<u>8-12</u>		2004	MOE
	Net enrolment rates	F	TBD			2000	TBD			2004	MOE
	Dropout rates	F	*1.3			2000	TBD			2004	MOE
	Repetition rates	F	TBD			2000	TBD			2004	MOE
	Progression rates	F	TBD			2000	TBD			2004	MOE
	Pupil/teacher ratio	I	22			1999	TBD			2004	MOE
Functional Literacy Programme: To improve the quality and access, and the capacity of providers	Literacy rate (population aged 15-24)	F	67.9			1999	75			2015	CSO
	Attendee/instructor ratio	F	18			2000	30			2004	MCDSS
	Women/men ratio	F	TBD				TBD				MCDSS
Skills Training Programme: To Increase access, quality, and relevance of skills	Increase in enrolment	F	1,655			2001	2000			2004	MSTVT
	Female to male ratios	F	TBD			2001	TBD			2004	MSTVT
Equity Programme: To reduce disparities in education, including gender disparities	Number of scholarships given to orphans and the poor (Basic Education)	F	TBD			2001	TBD			2004	MOE
Tertiary Programme: To increase access, improve quality, and ensure relevance of tertiary education	Increase in enrolment	F	UNZA – 5,515			2001	TBD			2004	MOE
	Pre-service and in-service enrolment at teacher training colleges/university	F	CBU – 3450			2001	TBD			2004	MOE
	Number of teachers in institutions (proxy for number of teachers trained)	F	High school – 6,127 Basic school – 43,203			2001 2001	TBD TBD			2004 2004	MOE

Type of indicator: I = Intermediate, F = Final E-English, M-Mathematics, ZL-Zambian Language; Note: Figures for Grades 8 to 12 still being computed; *Projections
TBD = To be determined, N/A = Not Applicable, ‘-’ = Not available

APPENDIX 3-8: HEALTH INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS	(unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE		
Overall: To improve the health status of all people in Zambia, especially the poor	Life expectancy	%	F	37	2000	50	2020	CSO		
To increase the life expectancy of the population	Infant mortality rate		F	109	1996	109	2004	MOH		
	Maternal mortality rate		F	649	1996	500		MOH		
	Under-5 mortality rate (reduce by 8 %)		F	197	1996	180		MOH		
	Infants aged 12-23 months fully immunised by 12 months	(%)	F				2004	CSO		
To encourage lifestyles that support health	Sexually active adults practising safe sex	(%)	F	15-19 16	20-24 35	25-49* 37	15-19 50	20-24 60	25-49* 60	MOH
To create environments that support health	Children under-5 with low weight for age	(%)	F	7.2		6.4		MOH		
	Children who are stunted	(%)	F	53		43		CSO		
To achieve equity in access to health opportunities	Rural households within 5 km of a health facility	(%)	F	50		70		MOH		
	Health workers per 1,000 population		I	1.5		1.7		MOH		
	Cots and beds allocated per 1,000 population		I	2.9		3.4		MOH		
To provide assured quality health services	Health facilities with 80% of established posts filled		I	TBD				MOH		
	Health facilities with essential drugs always available		I	TBD				MOH		
	Health facilities rehabilitated		I	TBD		200		MOH		
	New health posts constructed (according to health sector plan)		I	TBD		160		MOH		
To provide quality policy and technical guidance to service providers	Policies developed		F	N/A	2001	N/A	2004	MOH		
	Policies reviewed		F	N/A	2001	N/A	2004	MOH		

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available
 * Age group

APPENDIX 3-8.1: NUTRITION INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	TARGET		DATA SOURCE
HEALTH – Nutrition component						
Overall: To strengthen the institutional capacity of NFNC in the coordination, facilitation, advocacy, provision of IEC in the prevention of malnutrition, and promotion of appropriate diets in the life cycle	Malnutrition reduced	I	-	10% 50%	2004 2010	NFNC, CSO, MOH, MAC
To strengthen institutional capacity of NFNC and of stakeholders in nutrition	NFNC operates as an independent commission	F	Dept. in MOH	100	2004	NFNC
	Qualified nutrition staff at NFNC	I	25	50	2004	UNZA
	Qualified nutrition staff for stakeholder organisations (%)	I	15	100	2010	CBoH, NGOs
		F	-	50	2004	
	Number of nutritionists in Zambia	I	15%	100	2010	stakeholders
	Equipment numbers and facilities	I	10%	50	2010	cooperating partners
To finalise and operationalise the National Nutrition Policy and the Zambia Plan of Action for Nutrition (ZPAN)	National Food and Nutrition Policy	F	C o	100%	2003	NFNC, CBoH
	National Plan of Action for Nutrition	F	Pending	100%	2003	MOH, CO, NGOs, NAZ
To prevent malnutrition	Reduced stunting rate	F	53%(CSO,2001)	To 40%	2004	NFNC, CBoH, MAC
		I		To 30%	2010	
	Reduced wasting rates and severe malnutrition (%)	F	7%	5	2004	MCDSS, NGOs
				3	2010	
	Reduced macro and micro nutrient deficiencies (%)	I		45	2004	NAZ, cooperating partners
	Increased iron fortification (%)	I	50	30	2010	UNZA, NISIR
			0			
	Increased Vitamin A fortification (%)	I	20	80	2010	MFNP, MOE
			80	95	2004	
	Universal iodations (%)	F	80	95	2004	MLSS
Increased daily nutrient intakes by all vulnerable groups (Kcal)		F	1600 Kcal	100	2010	
				1900	2004	
				2200	2010	
				2400	2025	
Increased number of nutrition programmes (%)		I		50	2004	
			25	80	2010	
Improved food basket for vulnerable groups (%)	F	70	60	2004		
			40	2010		
To provide direction for the incorporation of nutrition activities in relevant sector programmes	Well coordinated nutrition activities (%)	I	30	80	2004	NFNC, CSO, NAZ, cooperating partners
To monitor the implementation of nutrition programmes	Number of nutrition activities (%)	I	30	50	2004	NFNC
	Evaluation reports	I	20	80	2010	CSO, UNZA
To initiate/commission and disseminate research on nutrition	Reports	I	30	80	2004	NFNC
	Data bases	I	5	50	2004	UNZA, NISIR
	Nutrition Resource Centre	I	5	50	2004	CBoH, cooperating partners, NGOs

Type of indicator: I = Intermediate; F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-9: WATER INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To ensure that Zambia's water resources are effectively developed and managed to contribute to poverty reduction through increased access to safe water and sanitation, increased food production, and food security for low income rural and urban Zambians	Access to safe drinking water: urban, rural (% of households)	F	89, 37	1998	100, 75	2015	CSO: LCMS
	Access to improved sanitation: urban, rural (% of households)	F	73, 68	1998	100, 80	2015	CSO: LCMS
To establish a comprehensive framework for effective development and management of the nation's water resources in an equitable and sustainable manner with strong stakeholder participation, particularly poor rural communities	[Indicators under WRAP]	I	TBD		TBD		MEWD
	Project planned (time frame)	I	N/A		Implemented	2002	MEWD
To develop and implement the Kafue Basin Pilot Integrated Water Resources Management project	Pilot project produced and implemented	I	N/A		Produced	2002	MEWD
To set up a programme for construction and rehabilitation of dams and weirs for multi-purpose uses	Dams constructed (number)	I	TBD		18	2002-2004	MEWD/MAC
	Weirs constructed (number)	I	TBD		18	2002-2004	MEWD/MAC
	Dams/weirs rehabilitated (number)	I	TBD		81	2002-2004	MEWD/MAC
To develop a groundwater exploration and mapping programme	Exploration wells drilled (number)	I	TBD		900	2002-2004	MEWD
	Ground water maps produced and digitised for 4 provinces	I	TBD		Data collected	2002	MEWD, MOL
To establish institutional structures and strengthen capacity for RWSS planning and management at MLGH, provincial, and district levels	Institutional structures established	I	N/A		Process starts	2002	MEWD
	People trained (number)	I	TBD		Done	2003	MLGH
To provide complementary D-WASHE support programme for ongoing rural WSS projects lacking sanitation and hygiene education	D-WASHE committees strengthened, and provincial committees trained (number trained)	I	5	2001	4	2002-2004	MEWD, NWASCO
	Volume of treated water (cubic litres)	I	TBD		TBD		MEWD, NWASCO
To provide water supply and sanitation to populations in rural parts of the country	Water facilities (points) provided (number)	I	TBD		3600	2002-2004	MEWD
	Average distance to the nearest safe water facility (km)	F	TBD		TBD		CSO: LCMS

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-10: ENERGY INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (units)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To ensure optimum supply and utilisation of energy	Contribution of energy to GDP (%)	F	11.5	2001		2004	MEWD, MFNP
To increase electricity access rate for both rural and urban areas	Level of electricity consumption (GWh)	F	5,716	2001	7,300	2004	MEWD, ESB
	Electricity connection fee (Kwacha)						
	Rural households with access to electricity (%)	F	2	1998	15	2010	CSO: LCMS
	ZESCO concessioning	N/A					
To reduce dependency on wood fuel and promote efficient use of alternative energy resources	Urban households with access to electricity (%)	F	48	1998	50	2010	CSO: LCMS
To create new energy delivery infrastructure and increase electricity exports to neighbouring countries	Development of the National Electrification Plan	I	N/A		Completed	2004	MEWD
	Households using wood fuel for cooking (%)	F	72	1998	63	2004	CSO: LCMS, MEWD-ESCO, MEWD
	New solar applications in rural schools and health centres (number)	I	N/A		200	2004	
	New household solar applications (number)	I	N/A		1100	2004	
To supply and utilise petroleum in the most efficient and cost-effective manner	Increased electricity exports (GWh)	F	752	2001	1,400	2004	MEWD-ESB
	Complete feasibility studies and commence construction of Kafue Gorge Lower and Itzhi-Tezhi hydro -electric project	N/A I	N/A		Feasibility Construction	2002 started	MEWD, OPPPI, private sector
	Total petroleum consumption (Tonnes)	I				2004	
	Management of strategic petroleum stocks ZNOC concessioning TAZAMA concessioning	I N/A N/A	N/A		Strategy put in place	2003	MEWD, ZPA, ZNOC

Type of indicator: I = Intermediate, F = Final/TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-11: TRANSPORT, COMMUNICATIONS, AND ROADS INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To create an efficient transport and communications system that will promote economic growth and poverty reduction	International competitiveness costs– fares, freight charges	F	TBD		TBD		ZRL, TAZARA, MCT records
(a) Railways							
To preserve the investments that have been made in the railway sector	Kms of rail line maintained Kms of rail line rehabilitated	I	0 10km (2001)		150km 200km (2004)		ZRL, TAZARA, MCT records
To develop and construct new infrastructure to link neighbouring countries and new economic productive areas	Number of rail line links to neighbouring countries Km of rail line constructed	I I	2 0 (2000)		6 40km (2004)		ZRL, TAZARA, MCT
(b) Inland Waterways							
To preserve the investments that have been made in the inland waterways	Distance in km of waterways and canals maintained	I I					
To develop and construct new infrastructure to link neighbouring countries and new economic productive areas	Harbours upgraded to international level Number of harbours developed	I I	1 3 (2000)		2 6 (2004)		MCT records
To improve rural accessibility through improved inland waterways	Number of navigable waterways Number of pontoons	I	70 (2000) 8 (2000)		2, 433 (2004) 0 (2004)		MCT records
To develop safe, sufficient, and sustainable maritime and inland waterways transport systems	Kms of canals cleared Rescue coordinating centres re-established Number of accidents	I I I					MCT records

(c) Air Transport-Civil Aviation					
To preserve the investments that have been made in civil aviation	Number of airports rehabilitated Number of airstrips rehabilitated	I	2 (2000)	4 (2004)	NACL, MCT records
To develop and construct new infrastructure to link neighbouring countries and new economic productive areas	Number of aerodromes upgraded to international level	I	0 (2001)	8 (2004)	NACL, MCT records
To develop and improve rural travel and transport	Number of operational airstrips	I	0 (2001)	8 (2004)	NACL, MCT records
(d) Telecommunications					
To preserve the investments that have been made in the telecommunications sector	Public Switched Telephone network Mobile network	I I	TBD TBD		CA, MCT records
To develop and construct new infrastructure to link neighbouring countries and new economic productive areas	No. of telephone international digital exchange No. of telephone lines Fixed lines Mobile lines	I	TBD		CA, MCT records
To improve national teledensity with emphasis to rural areas	Number of telephone lines per population Number of telephone operators - fixed lines - mobile - internet services Number of subscribers - fixed lines - mobile - internet services - rural telephony	I I	2 per 100 1 3 5 (2001) 73,186 57,178 524 (2000)	5 per 100 1 4 8 (2004) 100,000 200,000 10,000	CA, MCT records CA, MCT records

(e) Roads					
Overall Objective: To expand, rehabilitate and invest in the road sector so as to improve accessibility and mobility, and to bring a core road network of 33,500 Km into maintainable condition	Kms of roads in maintainable conditions	F	6000 Km	33,500 Km	NRB, MCT
To rehabilitate paved and unpaved roads and consequently bring road conditions to at least 50% good and about 10% poor for all types of roads	Kms of road rehabilitated completed % of roads in good condition % of roads in poor condition	I	3,000km (2001) 45% good (2001) 31% poor (2001)	9,000km (2004) 70% good (2004) 16% poor (2004)	NRB, MCT, MWS, MLGH
To maintain paved and unpaved roads, including feeder roads	Kms of roads maintained Number of accidents p/a	I I	6,000 Km (2001) >800 (2001)	20,100 Km (2004) <400 (2004)	NRB, MCT, MWS, NRSC
To replace pontoons with bridges, rehabilitate and construct bridges, including footbridges	No. of pontoons replaced No. of bridges constructed No. of footbridges built	I	0 (2001)	>10 (2004)	MWS, MLGH, ZAMSIF, OVP
To promote intermediate means of transport	Types and no. of IMTs (donkeys, ox-carts, bicycles etc.) procured and distributed	I	20 donkeys (2001)	100 donkeys (2004)	NRB, MCT, MWS
To strengthen technical, institutional, and managerial capacity in the management of roads	No. of engineers/technicians trained No. of technical audits undertaken		2 Engineers ?Technicians 2001	11 Engineers ?Technicians 2004	MLGH, MWS, MCT

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-12: HIV/AIDS INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS	(unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To reduce new infections and the socio-economic impact of HIV/AIDS	HIV/AIDS prevalence among 15-49 age group	(%)	F	19.7		15	2010	CSO
To reduce new HIV/AIDS infections	HIV/AIDS prevalence among 15-19 year olds	(%)	F	15	2000	11	2010	CSO
	Patients with STIs who are appropriately diagnosed and treated according to national guidelines	(%)	F	10	2000	50	2004	HFS
	Children born to HIV+women, who contract the HIV virus	(%)	F	39.5	2000	20	2004	CSO
	Delay first sexual debut at 15 years	(%)	F	M=39, 1999*	F=22	M=30,F=15	2004*	SBS
To promote positive and healthy living among the asymptomatic HIV+ people	15-49 year olds requesting an HIV test, receiving a test, and receiving test result	(%)	F	6 2000		15	2004	MOH, CSO
	Number of support groups		F	.....		.....	2004	project data
To improve the quality of life of people living with AIDS (PWAs)	public health facilities providing ARVs	(Number)	I	0		10	2004	MOH
	PWAs who received ARVs from health facilities	(Number)	F	.....		.....	2004	stakeholders
	PWAs served by basic care and psychosocial support services (NGOs/CBOs)	(Number)	F	.....		.....	2004	project documents
To improve the quality of life for orphans and vulnerable children (OVCs)	OVCs receiving support from CBOs/NGOs	(%)	F	.....		.....	2004	stakeholders
	OVCs benefiting from improved access to: education, health care, psychosocial, sustainable nutritional/agricultural, housing/shelter	(Number)	F	.....		.....	2004	project documents
To improve and put in place an efficient Monitoring, evaluation, and surveillance system	Monitoring, evaluation, and surveillance system fully operational		F	Partly operational	2002	Fully operational	2004	HIV/AIDS Council

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-13: GENDER INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (unit)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To promote gender balance to ease the burden of poverty, especially of women, at the household, community, and national level							
To enhance access to and control of productive resources	Proportion of land ownership transfers made to women (%)	F	TBD		65	2004	MOL
	Proportion of all school teaching positions held by women (%)	F	TBD				line ministries
	Proportion of all technical positions held by women (%)	F	TBD				GIDD, NGOs
	Proportion of all managerial/administrative positions held by women (%)	F	TBD				commercial banks
	Proportion of people accessing credit who are women (%)	F	TBD				
To enhance women's participation in decision-making processes	Proportion of trade union members who are women (%)	F	TBD				trade unions,
	Proportion of members of professional organisations who are women (%)	F	TBD				GIDD, NGOs, line
	Proportion of members of social organisations who are women (%)	F	TBD				ministries
To facilitate the generation and analysis of gender-disaggregated data and information	Level of gender disaggregations and analysis in reports, publications, etc.	F					CSO, GIDD, UNZA, NGOs, special surveys

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available

APPENDIX 3-14: ENVIRONMENT INDICATORS

OBJECTIVES	OBJECTIVELY VERIFIABLE INDICATORS (units)	TYPE	BASE	Year	TARGET	Year	DATA SOURCE
Overall: To formulate appropriate policies on the protection of the environment, and the management and development of natural resources, and ensure their efficient and effective delivery and implementation	National Environmental Policy formulated	F	0	2001	1	2004	ECZ, MTENR
To formulate appropriate policies, plans, and programmes on the protection of the environment and natural resources	Laws and regulations revised and implemented	I	4	2001	8	2004	ECZ, MTENR
To enhance the protection and management of natural resources in order to promote a sustainable improvement of livelihoods of communities	Rate of deforestation (hectares per year)	F	300,000	2001	< 100,000	2004	ECZ
	Rate of air pollution - SO ₄ (for Kitwe, Mufuilira, and Chilanga)	F	(10 minutes) 500 g/m ³	2001	(10 minutes) < 200 g/m ³	2004	ECZ
	Rate of water pollution – NO ₃ , DO and PH (average figures for Kafue, Zambezi, Chambeshi, and Luangwa Rivers)	F	NO ₃ 6.36 mg/l DO 7.18 mg/l PH 7.67 mg/l	2001	NO ₃ 3.5 mg/l DO 4.5 mg/l PH 4.5 mg/l	2004	ECZ
To regulate and enforce environmental laws to ensure compliance by stakeholders	People flouting environmental laws (number)	F	TBD		TBD		ECZ
To build capacity of personnel in order to enhance their individual and institutional contribution to environmental sustenance	Curriculum developed and in place	I	TBD		TBD		MTNER, ECZ
	Personnel trained (number)	I	TBD		TBD		MTNER, ECZ
	Environmental impact assessments conducted (number)	I	TBD		TBD		MTNER, ECZ

Type of indicator: I = Intermediate, F = Final TBD = To be determined, N/A = Not Applicable, '-' = Not available