

PROJECTS BANK, NEPAL

		Name of the Project	Location of the Project	Cost of the Projects	Produced Quantity	Construction Cost per unit	Study conducted year in A.D.	Type of the study	Rate of Return	Duration of the project completion Years	Accessibility of the Project	Study done by	Employment number	Population benefited by the project
	A	Ministry of Water Resources												
	(a)	Irrigation Sector												
1	1	SIKTA IRRIGATION PROJECT	Banke	745 crore	34000 Hector		2003		18%	7			One crore person days	50000
2	2	LAL BAKAIYA IRRIGATION PROJECT	Nijgadh, Bara	11 crore	1550 Hector		2003		22.64%	2		Nepal Consult Pvt. Ltd.	344000 person days	15000
3	3	SIDDHI KHOLA IRRIGATION PROJECT	Bahundangi, Jhapa	12.46 crore	1120 Hector		2003		10.32%	3		Building Design Authority, Nepal	350000 person days	6000
4	4	MAHAKALI IRRIGATION PROJECT III	Kanchanpur & Kailali District	NRs. 8957571824	NCA=33,500 ha. Crop yield=596218 tons/year	NRs. 267000 per ha.	2001	Detailed Feasibility Study	15%	12	East-West Highway runs	NEDECO Netherlands Engineering Consultants	More than 7 million man days	271805
5	5	BABAI IRRIGATION PROJECT	Bardiya	NRs. 2942 million	NCA=13,240 ha (Phase I), Crop yield=62200 MT/year	NRs. 136436/ha	2002	Detailed Feasibility Study	17.35%	5	East-West Highway rus	Tahal Consulting Engineers, Israel	More than 5 million man days	0.1 million
6	6	RANI JAMARA IRRIGATION PROJECT III	Kailali	NRs. 1650 million	NCA=20,300 ha. :food crop=111,820 tons/year	NRs. 81,281/ha	1994	Detailed Feasibility Study	12.43%FIIR, 11.5% EIRR	6	The project area has a very good road network	Multi Disciplinary Consultants & Architects Collaborate (Nepal) P. Ltd.	N.A.	more than 0.1 million

(b) Electricity Sector														
(i) Small Hydro Projects														
7	1	SINGATI KHOLA SMALL HYDROPOWER PROJECT	Dolkha, New Singati Bazar	107.65 crore	6.4 MW		2004		11.6% EIRR, 17.48% FIRR	4		Department of Electricity Development	4000 temp. day / 50 permanent	
8	2	MEWA KHOLA SMALL HYDROPOWER PROJECT	Taplejung, Thukima and Lingtep VDCs	155.46 crore	10 MW		2004	Feasibility	12.36% EIRR, 19.10% FIRR	4		Department of Electricity Development	5000 Temporary, 75 Permanent	
(ii) Medium Hydro Projects														
9	1	KANKAI STORAGE PROJECT	Ilam, Sukedagi	MUS\$ 142.7	90 MW	US \$ 1585.56/KW	2003	Feasibility study		5	About 7 km road should be constructed	Nepal Electricity Authority	Many	Many
10	2	UPPER SETI STORAGE PROJECT	Tanahu, Damauli Bazar	M US\$ 142.7	122 MW	US \$ 1615/KW	2001	Feasibility study	12.50%	7½	5.5 km road needed	Nepal Electricity Authority	Many	Many
11	3	SETI-TRISHULI STORAGE PROJECT	Tanahu, Piughare	US\$ 248,448,733	142 MW	US \$ 1749.64/KW	2003	Feasibility study	14.72% IRR	7	One bridge in Trishuli and 8 km additional road needed	Nepal Electricity Authority	Many	Many
12	4	AANDHI KHOLA STORAGE PROJECT	Syangja	M US\$ 507.292	141 MW	US \$ 3597.82/KW	1996	Feasibility study	12.76% IRR	6	About 10 km road needed	Nepal Electricity Authority	Many	Many
13	5	KAWELI A ROR PROJECT	Panchthar & Taplejung	M US\$ 65.3	30 MW		1998	Feasibility study	14.6% IRR	3	About 11 km road needed	Nepal Consult Pvt. Ltd.	Many	Many
14	6	MEWA KHOLA ROR PROJECT	Taplejung, Khokling	M US\$ 33,700,000	18 MW	US Cent 28.20?KW	1998	Feasibility study	14.32% IRR	6	About 19 km road has to be constructed	CIWEC (Canadian International Consultancy) Water and Energy	Many	Many

15	7	TAMOR KHOLA ROR PROJECT	Taplejung, Phungling	M US\$ 158500000	83 MW	US \$ 1909.64/KW	1998	Feasibility study	17.22% IRR	6	About 12 km road has to be constructed	CIWEC (Canadian International Consultancy Water and Energy	Many	Many
16	8	LIKHU-4 ROR PROJECT	Okhaldhunga, Ragani VDC	M US\$ 75.00	51 MW		1998	Feasibility study	17% IRR	6½	About 35 km road has to be constructed	Shah Consult International Pvt. Ltd. and Integrated Research	Many	Many
17	9	BUDHI GANGA ROR PROJECT	Achham, Rokse Khamda Babla VDC	M US\$ 50.64	20 MW		1998	Feasibility study	13.77% IRR	6	About 2.7 km road has to be constructed	METCON Consults Pvt. Ltd.	Many	Many
18	10	MADI ISHANESWAR STORAGE PROJECT	Kaski, Lamjung, Bhorletar	MI US\$ 164.64	86 MW	US \$ 1914/KW	2002	Feasibility study	10.3% IRR	6	About 2.5 km road will be required	Nepal Electricity Authority	Many	Many
19	11	RAHUGHAT ROR PROJECT	Myagdi	M US\$ 56.1	27 MW		1998	Feasibility study	15.75% IRR	6	About 10 km road required	Water Resources Consult Pvt. Ltd.	Many	Many
20	12	KULEKHANI III STORAGE PROJECT	Makwanpur, Bhaise dohan	M US\$ 77.7	45 MW	US \$ 1726.67/KW	2002	Feasibility study	15.3% IRR	5	Good accessible	Nippon Coi Company Ltd., Japan	Many	Many
21	13	UPPER HEWA ROR PROJECT	Panchtar	US\$ 23	10 MW		2004	Feasibility study	20.4% IRR	3	About 9.9 km road has to be constructed	Nepal Electricity Authority	Many	Many
22	14	DUDH KOSHI ROR PROJECT	Okhaldhunga /Khotang, Rabuwa	M US\$ 690.1	300 MW	US \$ 2300.33/kw	1998	Feasibility study	12.92% IRR	6	One bridge and 40 km road has to be constructed	CIWEC (Canadian International Consultancy) Water and Energy	Many	Many

23	15	UPPER TAMAKOSHI ROR PROJECT	Dolkha, Lamabagar VDC	M US\$ 268=725	250 MW	US \$ 1074.9/kw	2001	Feasibility study	26.49%	7	About 36 km. road has to be constructed	Nepal Electricity Authority	Many	Many
24	16	UPPER MODI 'A' ROR PROJECT	Kaski, Nayapul, Ghandruk	M US\$ 60.72	42 MW		2000	Feasibility study	22.74%	5		Nepal Electricity Authority	Many	Many
25	17	CHAMELIYA ROR PROJECT	Darchula, Sikhar VDC	M US\$ 74.987	30 MW	5.78 US cent/KWH	2001	Detailed design	14.78% IRR	4 yrs	3 bridges have to be constructed	Nepal Electricity Authority	Many	Many
26	18	KHIMTI II ROR PROJECT	Dolakha	M US\$ 27.2	27.2 MW	US\$ 1000/KW	2002	Pre-feasibility		6	The remaining 3 km road not in good condition	Statkraft SFAS	Multiple	Many
27	19	UPPER KARNALI ROR PROJECT	Surkhet, Dailek and Achham	M US\$ 455	300 MW	US\$ 1516/KW	1996	Pre-feasibility	18.83%	6	Good accessible	MHSP	Multiple	Many
28	20	MAI LOOP STORAGE PROJECT	Ilam	US \$ 149 million	60MW		1996	Reconnaissance			13 km Road should be constructed			
29	21	TAMA KOSHI-2 ROR PROJECT	Dolkha	US \$ 169 million	207 MW		1996	Reconnaissance			1 km Road should be constructed			
30	22	UPPER MARSYANGDI-3 ROR PROJECT	Lamjung	US \$ 110 million	121 MW		1996	Reconnaissance			26 km Road should be constructed			
31	23	TILA RIVER -2 ROR PROJECT	Kalikot	US \$ 161 million	203 MW		1996	Desk study			75 km Road should be constructed			
32	24	NAUMARE STORAGE PROJECT	Arghakhanchi & Pyuthan	US \$ 419.9 million	245 MW		1990	Pre-feasibility study			18 km Road should be constructed			
33	25	TAMA KOSHI-3 ROR PROJECT	Dolakha	US \$ 414 million	287 MW		1996	Reconnaissance			6 km Road should be constructed			

	(iii)	Large Hydro Projects												
34	1	ARUN III PONDAGE PROJECT	Sankhuwasa bha	US \$ 859.09 million	402 MW		1991	Detailed Design study			116.8 km	Road should be constructed		
35	2	UPPER ARUN ROR PROJECT	Sankhuwasa bha	US \$ 508.8 million	335 MW		1991	Feasibility study			45 km from Arun-3 damsite			
36	3	LOWER ARUN ROR PROJECT	Sankhuwasa bha	US \$ 481.4 million	308 MW		1990	Feasibility study			25 km from Arun-3 damsite			
37	4	KALI GANDAKI-2 STORAGE PROJECT	Nawalparasi & Tanahu	US \$ 772 million	660 MW		1985	Pre-Feasibility study			20 km			
38	5	BUDHI GANDAKI STORAGE PROJECT	Dhading & Gorkha	US \$ 774 million	600 MW		1984	Pre-Feasibility study			2.5 km			
39	6	UPPER TRISULI-2 ROR PROJECT	Rasuwa	US \$ 271 million	300 MW		1996	Reconnaissance			10 km			
40	7	KARNALI CHISAPANI MULTIPURPOSE STORAGE PROJECT	Kailali & Bardiya	US \$ 10.1 billion	10800 MW									
	(c)	Water Induced Disaster Prevention Sector												
41	1	NARAYANI RIVER TRAINING PROJECT	Chitwan and Nawalparasi District	NRs. 480.46 crore			2004	Preliminary Project Proposal				DWIDP		1,77,000 people
42	2	RATO RIVER TRAINING PROJECT	Mahottari District	M US\$ 5.50			2004	Preliminary Project Proposal	16.47%			DWIDP		58204 flood affected people
43	3	KARNALI RIVER TRAINING PROJECT	Kailali and Bardiya	M US\$ 13.18			2004	Preliminary Project Proposal	15.98 EIRR			DWIDP		254000 people
44	4	TINAU RIVER TRAINING PROJECT	Rupandehi District	M US\$ 10.32			2004	Preliminary Project Proposal	10% EIRR			DWIDP		90107 flood affected people

45	5	BABAI RIVER TRAINING PROJECT	Bardiya District	M US\$ 10.21			2004	Preliminary Project Proposal	15.2% EIRR			DWIDP		109000 flood affected people
46	6	MOHANA RIVER TRAINING PROJECT	Kailali, Kanchanpur District	M US\$ 7.69			2004		12.3% EIRR			GTZ		Marginalized poor people
47	7	LAKHANDEHI RIVER TRAINING PROJECT	Sarlahi District	M US\$ 10.22			2004		20.8% EIRR			DWIDP		77003 flood affected people