

## Second Stakeholders Meeting

Advance Notification of Second Stakeholders Meeting  
in Camauli and Kathmandu

## Advance Notification of Second Stakeholder Meeting in Damauli and Kathmandu

1- Public notice published in the national newspaper "Katipur" 27 November 2006 (Nepali)

१४ कान्तिपुर सोमबार, १९ नोभेम्बर, २००६

### माथिल्लो सेती (दमौली) जलाशययुक्त जलविद्युत आयोजनाको अपग्रेडिङ (Upgrading) सम्भाव्यता अध्ययनका विविध पक्षहरू उपर सरोकारवालाहरूसँग हुने छलफल कार्यक्रममा सहभागी हुन सम्बन्धि सूचना

पश्चिमाञ्चल विकास क्षेत्रको तनहुँ जिल्ला स्थित सेती नदिमा पहिचान भएको १२२ मेगावाट क्षमताको माथिल्लो सेती (दमौली) जलाशययुक्त जलविद्युत आयोजनाको अपग्रेडिङ (Upgrading) सम्भाव्यता अध्ययन कार्य जापान अन्तर्राष्ट्रिय सहयोग निकाय (JICA) को प्राविधिक सहयोगमा सन् २००४ देखि शुरु गरिएको छ। यस अध्ययनको मुख्य उद्देश्य प्राविधिक, आर्थिक तथा वातावरणीय दृष्टिकोणले उपयुक्त योजना तयार गर्नु हो।

यस आयोजनाको अपग्रेडिङ (Upgrading) सम्भाव्यता अध्ययनको क्रममा आयोजनाका विविध पक्षहरू, जस्तै आयोजनाको परिचय, अध्ययनको उद्देश्य, क्षेत्र, कार्यविधि तथा समय तालिका बारे राय सुझाव संकलन गर्न JICA अध्ययन टोलीको सहयोगमा नेपाल विद्युत प्राधिकरणले यहि मिति २०६३-०७-१५ गते शुक्रवारको दिन विहान १०:३० बजे तनहुँ जिल्ला विकास समितिको सभा कक्ष दमौलीमा आयोजनाका सरोकारवालहरूसँग दोस्रो छलफल कार्यक्रमको आयोजना गर्ने भएको छ। यस छलफल कार्यक्रममा सो आयोजनाबाट प्रत्यक्ष प्रभावित हुने तनहुँ जिल्लाका भिमाद बजार, माभकोट, छाड, रानीपोखरी, जामुने, कोट दरबार र काहुँ शिवपुर गा.वि.स.हरू तथा व्यास नगरपालिका तथा तल्लो तटिय क्षेत्रमा पर्ने पोखरी भञ्ज्याङ्ग गा.वि.स. का सम्बन्धित सबै सरोकारवालाहरू तथा अन्य इच्छुक संघ संस्था तथा व्यक्तिहरूलाई उक्त कार्यक्रममा उपस्थित भई आ-आफ्नो राय सुझाव उपलब्ध गराई दिनु हुन अनुरोध गरिन्छ। यस सम्बन्धि लिखित राय सुझाव भए निम्न लिखित ठेगानामा पठाउनु सकिने व्यहोरा समेत अनुरोध छ।

#### आयोजक



वातावरण तथा सामाजिक अध्ययन विभाग  
नेपाल विद्युत प्राधिकरण,  
अद्वैतमार्ग, काठमाडौं  
फोन नं.: ४२२६७३०, ४२५१८४५  
फ्याक्स नं.: ४२२५२४८

जापान अन्तर्राष्ट्रिय सहयोग निकाय (JICA)  
C/O जाईका नेपाल कार्यालय  
पो.नं.: ४५०, काठमाडौं, नेपाल।  
कर्मचारी संचय कोष भवन  
हरिहर भवन, ललितपुर  
फोन नं.: ५५५२७१९, फ्याक्स नं.: ५५५२२८४

स्वयंसेवाकार सल्लागार प्रकल्पित छेल

# भारत

पहिला  
राष्ट्रिय दैनिक

तनहुँ महोत्सव हाम्रो आधार, आर्थिक-सामाजिक विकासको पूर्वाधार

तनहुँ महोत्सव शुरु हुन अब

२१ दिन बाँकी



## माथिल्लो सेती (दमौली) जलाशययुक्त जलविद्युत आयोजनाको

अपग्रेड (Upgrading) सम्भाव्यता अध्ययनका विविध पक्षहरू उपर सरोकारवालाहरसँग हुने छलफल कार्यक्रममा सहभागी हुने सम्बन्धी सूचना ।

परिचयानन्तर विकास क्षेत्रको तनहुँ जिल्ला स्थित सेती नदीमा पहिचान भएको १२२ मेगावाट क्षमताको माथिल्लो सेती (दमौली) जलाशययुक्त जलविद्युत आयोजनाको अपग्रेड (Upgrading) सम्भाव्यता अध्ययन कार्य ज्ञान अन्तर्राष्ट्रिय सहयोग नियोग जाईका (JICA) को प्राविधिक, आर्थिक तथा वातावरणीय दृष्टिकोणले उपयुक्त योजना तयार गर्नु हो ।

यस आयोजनाको अपग्रेड (Upgrading) सम्भाव्यता अध्ययनको क्रममा आयोजनाका विविध पक्षहरू, जस्तै आयोजनाको परिचय, अध्ययनको उद्देश्य, क्षेत्र, कार्यविधि तथा समय तालिका बारे राम्रो सुझाव संकलन गर्न JICA अध्ययन टोलीको सहयोगमा नेपाल विद्युत प्राधिकरणले यही मिति २०६३/०८/१५ गते शुक्रबारको दिन विहान १०:३० बजे तनहुँ जिल्ला विकास समितिको सभा कक्ष बंधौलीमा आयोजनाक सरोकारवालाहरसँग दोस्रो छलफल कार्यक्रमको आयोजना गर्ने भएको छ । यस छलफल कार्यक्रममा सो आयोजनाबाट प्रत्यक्ष प्रभावित हुने तनहुँ जिल्लाका विनायक, माफकोट, छाङ, राप्तीपोखरी, जमुने, कोटदरवार र कर्णेश्वरपुर गा.वि.स.हरू तथा व्यास नगरपालिका तथा तनहुँ जिल्ला क्षेत्रमा पर्ने पोखरीभन्ज्याङ्ग गा.वि.स. का सम्बन्धित सबै सरोकारवालाहरू तथा अन्य इच्छुक संघ संस्था तथा व्यक्तिहरूलाई उक्त कार्यक्रममा उपस्थित भई आफ्नो राम्रो सुझाव उपलब्ध गराई दिनु अनुरोध गरिन्छ । यस सम्बन्धी लिखित राय सुझाव भए निम्न लिखित भए ठेगानामा पठाउन सकिने इमेज अनुरोध छ ।

### आसोजक

दातावरण तथा सामाजिक अध्ययन विभाग

नेपाल विद्युत प्राधिकरण,

शुद्धेतामार्ग, काठमाडौं

फोन नं. : ४२२६७१०, ४२२१८४५

फ्याक्स नं. : ४२२५२४८

जापान अन्तर्राष्ट्रिय सहयोग नियोग (JICA)

C/O जाईका नेपाल कार्यालय

पो.ब.नं. ४५०, काठमाडौं, नेपाल

कर्मचारी संघ कोष भवन

हरिहर भवन, सलितपुर

फोन नं. : ४५५२७११ फ्याक्स : ४५५२२८४

3- Translation into English for Public notices described 1 and 2 above.

**Kantipur National Daily**

27<sup>th</sup> November 2006 (11 Mangsir 2063), Monday

**Bhanjyang National Daily**, (Published from Vyas Nagar Tanahu)

1 Dec, 2006, Friday (year 25, No: 214) (15 Mangsir 2063)

**Notice**

For participation of the stakeholders of  
Upper Seti (Damauli) Storage Hydroelectric Project  
Second Stakeholder Meeting for Upgrading Feasibility Study

Japan International Cooperation Agency (JICA) is conducting Upgrading Feasibility study of the estimated capacity of 122 MW of Upper Seti ( Damauli) Storage Hydroelectric Project.. The project is located in Western Developmental region's Tanahu District. The aim of the study is to prepare technically, economically and environmentally feasible project.

With the support of JICA, NEA is going to conduct Second Stakeholder's meeting on 2063/08/15 (1 Dec, 2006), Friday at 10:30 Am in District Development Committee's (DDC's) hall to collect the concerns on different aspects of the upgrading feasibility study. The different aspects of the discussions are: Introduction about the project, Objective of the study, Scope, Working Methodology and the schedule of the study. In this meeting, all the stakeholders of the project are requested to participate. The directly affected project region are Upstream regions : Bhimad Bajar, Majhkot, Chhang, Ranipokhari, Jamune, Kotdurbar and Kahun Shivapur VDCs and Vyas Municipality and Downstream region: Pokhari Bhanjyang. Line agencies and other interested people and organization are also requested to participate in the meeting. Participants are requested to provide their written concerns to the following Address.

Organizer

Environment and Social Study Department

Nepal Electricity Authority

Adwit Marg, Kathmandu

Phone No: 4226730, 4251845

Fax No: 4225248

Japan International Cooperation Agency (JICA)

C/O JICAA Nepal Office

PO Box No: 450, Kathmandu Nepal

Civil Servant Fund Collection Building ( Karmachari Sanchaya Kosh Bhawan)

Harihar Bhawan , Lalitpur

Phone No: 5552711

Fax No: 5552284

**List of Invited Institutions/Persons of Second Stakeholder Meeting  
in Damauli**

**List of Invited Institutions/Persons of Second Stakeholder Meeting in Damauli**

<u>S.No.</u>	<u>Name</u>	<u>Address</u>
1	District Development Committee	Damauli, Tanahaun
2	District Administrative Office	Damauli, Tanahaun
3	District Police Office	Damauli, Tanahaun
4	Women Development Office	Damauli, Tanahaun
5	NGO Federation	Damauli, Tanahaun
6	District Agricultural Office	Damauli, Tanahaun
7	District Forest Office	Damauli, Tanahaun
8	District Public Health Office	Damauli, Tanahaun
9	Six Community Forest Offices	Affected VDCs, Letter were Given through District Forest Office
10	ACAP	Pokhara, Nepal
11	Lee Bird, National Level NGO	Pokhara, Nepal
12	Inland Fisheries Research Center, Nepal Agricultural Research Council (NARC)	Begnas, Pokhara, Nepal
13	Nepali Congress, District Executive Committee	Damauli, Tanahaun
14	CPNUML, District Executive Committee	Damauli, Tanahaun
15	Nepali Congress Democratic, District Executive Committee	Damauli, Tanahaun
16	Janamorcha Nepal (One of the Communist Party), District Executive Committee	Damauli, Tanahaun
17	Nepal Communist Party Maoist, District Executive Committee	Damauli, Tanahaun
18	Machha Puchere FM	Pokhara, Nepal
19	Bhanjyung National Daily (Newspaper)	Damauli, Tanahaun
20	Reporter, Nepal Samachar Patra	Damauli, Tanahaun
21	Reporter, The Rising Nepal	Damauli, Tanahaun
22	Reporter, Kantipur	Damauli, Tanahaun
23	Reporter, Annapurna Post	Damauli, Tanahaun
24	Journalist Association	Damauli, Tanahaun
25	Reporters Club	Damauli, Tanahaun
26	Consumers Federation	Damauli, Tanahaun
27	Chairman, Civil Society	Damauli, Tanahaun
28	Vyas Municipality	Damauli, Tanahaun
29	Chhan VDC	Chhan
30	Bhimad VDC	Bhimad
31	Rani Pokhari VDC	Rani Pokhari
32	Kot Darbar VDC	Kot Darbar
33	Kahun Shivpur VDC	Kahun Shivpur
34	Secretaries of all the Affected VDCs	Tanahaun
35	Representative of Women Group	Number of Group 13
36	Campus Chief	Bhanu Bhakta Campus, Khairani Tar, Tanahaun
37	Members of the Parliament	3 Persons from Tanahaun District
38	Ministry of Environment, Science and Technology	Singa Durbar, Kathmandu
39	Ministry of Water Resource	Singa Durbar, Kathmandu
40	Department of Electricity Development	Anam Nagar, Kathmandu

**Participants Registered in the Second Stakeholder Meeting**

**at Damauli, December 1, 2006**



**Participants Registered in the Second Stakeholder Meeting at Damauli, December 1, 2006**

SN	Name	Cast	VDC, Ward No	Office/Organization	Occupation	Age	Sex	Contract No.
<b>Bhimad VDC</b>								
1	Babu Ram Ruyal	Sarki	Bhimad-1		Business	28	M	
2	Bau Bdr. B. K.	Dalit	Bhimad-1	Business		40	M	
3	Bidhisara Rana Magar	Magar	Bhimad-1		Agriculture	48	F	
4	Bishmani Bhandari	Braman	Bhimad		Journalist	59	M	560907
5	Bishnu Bhakta Suvedi	Braman	Bhimad-1		Agriculture	35	M	
6	Bishnu Pd. Gautam	Braman	Bhimad-1		Agriculture	31	M	
7	Buddhi Ram Lamsal	Braman	Bhimad-1		Social Worker	51	M	
8	Chakrapani Suvedi	Braman	Bhimad-1		Agriculture	69	M	
9	Dev Datta Bhandari	Braman	Bhimad-2		Agriculture	42	M	
10	Dhurva Raj Bhandari	Bhandari	Bhimad VDC-2		Staff	25	M	
11	Dol Raj Basyal	Dalit	Bhimad-5		Agriculture	33	M	65570457
12	Ful Maya Sunar		Bhimad-1		Agriculture	30	F	
13	Him Bdr Thapa	Magar	Bhimad-1		Social Worker	56	M	
14	Hom Bdr Baniya	Chhetri	Bhimad-1		Business	83	M	
15	Januka Suvedi	Bhraman	Bhimad-1		Agriculture	60	F	
16	Jyoti Pariyar	Damai	Bhimad-1		Student	22	M	
17	Kamal Kanta Khanal	Bhraman	Bhimad-1		Formal Teacher	73	F	
18	Kazi Man Shrestha	Newar	Bhimad-1		Business	56	M	
19	Kesar Bdr. Sunar		Bhimad-1		Business	45	M	
20	Krishna Aryal	Bhraman	Bhimad-2		Agriculture	33	M	
21	Krishna Bhandari	Bhraman	Bhimad ward no-1		Agriculture	27	M	
22	Krishna Kumar Shrestha	Newar	Bhimad-1	Formal DDC President	Social Worker	58	M	
23	Krishna Lal B. K.	Dalit	Bhimad-1	Bhimad Cable Net Wor	Proprieter	44	M	
24	Mahendra Bdr. Ale	Magar	Bhimad-1		Agriculture	36	M	
25	Mahendra Resmi	Magar	Bhimad-1		Agriculture	38	M	
26	Maya Magarni	Magar	Bhimad-2		Agriculture	45	F	
27	Mukti Narayan Shrestha	Newar	Bhimad		Agriculture	55	M	
28	Nabin Kumar Shrestha	Newar	Bhimad		Business	31	M	
29	Padha Raj Subedi		Bhimad-1		Business	49	M	
30	Prakash Kalkal	Newar	Bhimad-1		Social Worker	45	M	
31	Prakash Suvedi	Braman	Bhimad-1		Agriculture	28	M	65690417
32	Raju Khanal	Bhraman	Bhimad	Tanahu	Business	31	M	9846064531
33	Renu Khanal	Bhraman	Bhimad-1		Student	25	F	
34	Rup Bdr. Shahi	Newar	Bhimad-1		Social Worker	43	M	
35	Rup Narayan Shrestha	Newar	Bhimad-1	Vision Hotel	Business	42	M	570138
36	Rup Sing Gurung	Gurung	Bhimad		Business	61	M	
37	Santa Bdr Pariyar		Bhimad-1		Business	50	M	
38	Shiva Kumar Shrestha	Newar	Bhimad-1		Business	53	M	
39	Subash Kayastha	Newar	Bhimad-1		Business	43	M	9846025641
40	Suk Bdr. Pariyar		Bhimad-1		Business	43	M	
41	Surya Bhakta Suvedi	Braman	Bhimad		Agriculture	22	M	9846038793
42	Tek Bdr. Kumal	Kumal	Bhimad ward no-1		Agriculture	40	M	
43	Tirtha Lal Shrestha		Bhimad-1		Agriculture	33	M	9846055689
<b>Chhang VDC</b>								
44	Amrita Shrestha	Newar	chhang-9		Agriculture	60	F	
45	Bijay Gurung	Gurung	chhang-7		Student	18	M	
46	Chitra Bdr. Thapa	Magar	Chhang-4		Agriculture	44	M	
47	Chitra Bdr. Thapa	Magar	chhang-4			44	M	
48	Chundamani Dhakal	Braman	chhang-9		Agriculture	64	M	
49	Dan Bdr Ale	Magar	chhang Chokre-4		Agriculture	58	M	
50	Dan Bdr. Gurung	Gurung	chhang-7		Agriculture	24	M	
51	Dhankali Thapa	Magar	chhang-9		Agriculture	55	M	
52	Dharma Raj Khanal	Bhraman	chhang-Patan-8		Agriculture	59	M	
53	Durga Padhya	Braman	chhang-2			49	M	
54	Gaj Bir Ale	Magar	chhang Chokre-4		Agriculture	62	M	
55	Himal Gurung	Gurung	chhang-7		Student	18	M	
56	Hom Bdr. Gurung	Gurung	chhang-7		Agriculture	55	M	
57	Khadka Bdr. Gurung	Gurung	chhang Jhakash-7		Agriculture	27	M	
58	Kimananda Wagle	Bhraman	chhangpahu			31	M	
59	Lekh Narayan Shrestha	Newar	Chhang-4		Agriculture	63	M	
60	Lekh Narayan Shrestha	Newar	chhang-4			62	M	
61	Man Narayan Shrestha	Newar	chhang-7		Agriculture	44	M	
62	Nanda Bdr. Thapa	Magar	chhang Chowk-4		Agriculture	54	M	
63	Nanda Lal Shrestha	Newar	chhang-7		Business	55	M	
64	Nindra Kala Paudel	Bhraman	chhang-8		Agriculture	70	F	
65	Padam Bdr. Gurung	Gurung	chhang-7		Agriculture	50	M	
66	Padam Kumari Adhikari	Bhraman	chhang-8		Agriculture	60	F	
67	Padam Mani Wagle	Bhraman	chhangpahu		Agriculture	49	M	
68	Purna Bdr		chhang-9		Agriculture	63	M	
69	Ratna Bdr. Pathak	Chhetri	chhang Patan-8		Agriculture	45	M	
70	Som Bahadur Gurung	Gurung	chhang		Agriculture	24	M	
71	Sumel Gurung	Gurung	chhang-7				M	
72	Tara Bdr. Pathak	Chhetri	chhang-8		Technician	40	M	
73	Tara Raj Rana	Magar	chhang-6 Tanahu				M	9846040379
74	Tek Gurung	Gurung	Chhang - 7		Agriculture	53	M	
75	Tirtha Raj Wagle	Wagle	chhang-4				M	
76	Uttar Kumar Gurung	Gurung	chhang Jhakash-7		Agriculture	55	M	
77	Youb Raj Wagle	Braman	chhang-8		Agriculture		M	
78	Chandra Bdr. Gurung	Gurung	Jhakash-7		Agriculture	44	M	
<b>Jamune VDC</b>								
79	Baal Krishna Gimire	Braman	Jamune-7	Formal VDC	Chairman	42	M	
80	Bai Hari Ghimire	Bhraman	Jamune-6		Agriculture	50	M	
81	Bed Pd. Shrestha	Newar	Jamune		Business	50	M	
82	Bhola Prashad Khanal	Braman	Jamune-7		Agriculture	53	M	

83	Binod Khanal	Braman	Jamune-1		Business	40	M	
84	Bir Bdr. Thapa	Thapa	Jamune-6	Tanahu	Agriculture	34	M	
85	Bishnu Pd Khanal	Brahmin	Jamune-2		Agriculture	55	M	
86	Bishnu Thapa	Magar	Jamune-6		Agriculture	35	M	9846063553
87	Dhan Bdr. Sunar	Sunar	Jamune-5		Farming	32	M	9846024196
88	Dharma Raj	Ghimire	Janune-6			27	M	
89	Dharma raj Ghimire	Braman	Jamune-7	School	Teacher	39	M	9846037462
90	Dhup Bdr. Saru	Magar	Jamune-6		Agriculture	32	M	9846021936
91	Dirga Bdr Thapa	Magar	Jamune-6		Agriculture	60	M	
92	Farak Thapa	Magar	Jamune-1		Agriculture	45	M	
93	Ghanashyam Gimire	Braman	Jamune-7		Agriculture	60	M	6553456
94	Ghirin Bdr. Saru	Magar	Jamune-6		Agriculture	32	M	
95	Govinda Shrestha	Newar	Jamune		Business	31	M	984604314
96	Guru Datta Ghimire	Braman	Jamune-6	Tanahu	Job	31	M	
97	Hari Nath Khanal	Braman	Jamune-1	DDC	Service		M	
98	Hem Chandra Khanal	Braman	Jamune-1		Pension	68	M	9856023590
99	Hum Bdr. B.K	Kami	Jamune-7		Carpenter	45	M	
100	Kalidas Bhattarai	Bhraman	Jamune-7		Teacher	62	M	
101	Kamal Thapa	Magar	Jamune-6		Agriculture	31	M	
102	Lakki Thapa	Magar	Jamune-6		Agriculture	38	F	
103	Laxman Adhikari	Bhraman	Jamune		Social Service	45	M	
104	Madhu Maya Thapa	Magar	Jamune -6		Agriculture	38	F	
105	Mati Khanal	Bhraman	Jamune-2			50	M	
106	Min Raj Gimire	Bhraman	Jamune-6		Agriculture	41	M	
107	Mohan Lal Shresth	Newar	Jamune-6		Agriculture	74	M	
108	Murari Koirala	Braman	Jamune		Teacher	43	M	
109	Narayan Dutta Khanal	Braman	Jamune=2	DDC, Tanahu	Service	56	M	
110	Om Bdr. Thapa	Magar	Jamune-6		Agriculture	43	M	
111	Post Bdr. Malla Thakuri	Thakuri	Jamune-6	Aimi Pharma	MR	45	M	
112	Pradeep Gimire	Braman	Jamune-1			50	M	
113	Purna Bdr Sakh	Nepali	Jamune-1		Agriculture	66	M	
114	Purna Bdr. Ranabhat	Magar	Jamune-3			82	M	9846040338
115	Purna Chandra Sunar	Sunar	Jamune			32	M	
116	Rabi Chandra Pande	Braman	Jamune-7	Hamsha Bahini	Teacher		M	
117	Rabi Chandre Paudel	Braman	Jamune-7		Service	34	M	
118	Rabi Gimire	Braman	Jamune-7	DDC	Driver	26	M	
119	Raghu Nath Khanal	Braman	Jamune -1			35	M	9846064136
120	Rakesh Thapa	Magar	Jamune-6		Agriculture	38	M	9846056818
121	Ram Chandra Gimire	Braman	Jamune-7	Bhanjyang Dally	Journalist	36	M	
122	Rebdi Bdr. Thapa	Magar	Jamune-2		Agriculture	40	M	
123	Santa Kumari Sharu	Thapa Maga	Jamune-6		Agriculture	35	M	560907
124	Shree Bdr. Darlami	Magar	Jamune-6		Agriculture	53	M	9846055944
125	Shree Krishna B.K.	Kami	Jamune-7		Carpenter	43	M	
126	Shree Prasad Shrestha	Newar	Jamune		Social Worker	33	M	
127	Sunita Shrestha	Newar	Jamune -6		Business	24	F	
128	Tej Bdr Thakuri	Chetri	Jamune-6	Social Worker		46	M	
129	Udya Raj Neupane	Braman	Jamune-7		Agriculture	32	M	
130	Upendra Ghimire	Braman	Jamune-7		Agriculture	55	M	
	<b>Majhkot VDC</b>							
131	Bal Krishna Gaire	Braman	Majhkot-7		Agriculture	49	M	
132	Bal Ram Marasini	Bhraman	Majhkot-9		Teacher	45	M	
133	Durga Pd. Gaire	Braman	Majhkot-9		Teacher	34	M	
134	Gopal Pd. Bhandari	Braman	Majhkot-6	University	Lecturer	49	M	
135	Krishna Prasad Gaire	Bhraman	Majhkot-9		Agriculture	50	M	
136	Radha Krishna Basyal	Braman	Majhkot-9		Agriculture	33	M	
137	Ram Babu Gaire	Braman	Majhkot-9		Agriculture	42	M	
138	Ram Saran Gaire	Braman	Majhkot -3	Janjyoti HSS	Teacher	54	M	
139	Ram Sharan Gaire	Braman	Majhkot	Sarada L.S School	Teacher	48	M	
140	Ramesh Sharma	Braman	Majhkot-9		Agriculture	33	M	
	<b>Rising Ranipokhari VDC</b>							
141	Arjun Pd. Gaire	Braman	Ranipokhari-9		Agriculture	44	M	
142	Baburam Gaire	Braman	Ranipokhari		Agriculture	53	M	
143	Bam Bdr. Tilami	Magar	Ranipokhari-7		Agriculture	34	M	
144	Bhakti Pd. Gaire	Braman	Rani Pokhari-9		Agriculture	60	M	
145	Bir Bdr. B.K	Kami	Ranipokhari-9		Agriculture	47	M	570359
146	Bishnu Bdr. Thapa	Magar	Ranipokhari-9		Agriculture	31	M	
147	Bishnu Hari Gaire Jaise	Bhraman	Rising patan-9		Agriculture	55	M	
148	Bishwa Prakash Sharma	Bhraman	Ranipokhari-9	Deepak Ma.Vi	Teacher	42	M	
149	Chandra Nath Pandit	Braman	Ranipokhari		Service	40	M	
150	Deepak Kumar Shrestha	Newar	Rising patan-9		Student	25	M	
151	Dev Bdr Thapa	Magar	Ranipokhari-7		Agriculture	39	M	
152	Dev Bdr. Thapa	Magar	Ranipokhari-7		Teacher	27	M	
153	Dhan Bdr. Thapa	Magar	Ranipokhari-7		Agriculture	22	M	
154	Dii Bdr Thapa	Magar	Ranipokhari-9		Agriculture	53	M	
155	Diwekar	Bhraman	Ranipokhari-9		Agriculture	51	M	
156	Dul Raj Shrestha	Newar	Ranipokhari-9		Agriculture	52	M	
157	Durga Bdr. Karki	Chhetri	Rising Patan	Nepal Bank Ltd.	Service		M	
158	Gopi Krishna Basyal	Braman	Rising Patan-9	Office	Professional	35	M	9841335656
159	Hari Bamsha Gaire	Braman	Ranipokhari-9		Agriculture	45	M	
160	Hari Kumar Thapa	Magar	Ranipokhari-7		Agriculture	37	M	
161	Hari Maya Suvedi	Bhraman	Rising Patan-9		Agriculture	34	F	
162	Hasta Bahadur Thapa	Magar	Ranipokhari-8		Agriculture	59	M	
163	Janardhan Gaire	Bhraman	Rising-Patan-9		Agriculture	60	M	
164	Jit Bdr. Thapa	Magar	Ranipokhari-7		Agriculture	55	M	
165	Kalika Gaire	Bhraman	Rising Patan-9		Agriculture	62	F	
166	Krishna Pd. Gaire	Braman	Ranipokhari-9		Agriculture	30	M	
167	Lal Bdr. Shrestha	Newar	Ranipokhari-9		Agriculture	50	M	
168	Lal Bdr. Thapa	Magar	Ranipokhari		Agriculture	47	M	
169	Min Bdr. Karki	Chhetri	Rising Patan		Teacher		M	

170	Muna Thapa	Magar	Ranipokhari-7		Agriculture	18	F	
171	Naresh Raj Gaire	Braman	Ranipokhari		Business	35	M	
172	Netra Lal Shrestha	Newar	Rising patan-9		Agriculture	63	M	
173	Nir Kumari Thapa	Magar	Ranipokhari-9		Agriculture	50	F	
174	Padam Bdr. Thapa	Magar	Rising Patan-9		Agriculture	40	M	
175	Prashu Ram Gaire	Braman	Ranipokhari-9		Teacher	37	M	
176	Prem Bdr. Chhetri	Chhetri	Ranipokhari-9		Agriculture	53	M	
177	Pushpa Gaire	Braman	Rising Patan-9		Agriculture	18	M	
178	Pushpa Raj Gaire	Braman	Ranipokhari-9		Agriculture	50	M	560367
179	Raj Kumar Shrestha	Newar	Ranipokhari-8		Agriculture	36	M	
180	Ram Bhgat Sharma	Braman	Rishipatan-9		Agriculture	35	M	
181	Ram Chandra Gaire	Braman	Rishipatan-9		Employee	34	M	
182	Ram Nath Suvedi	Braman	Ranipokhari-9	NEA	Service	46	M	561116
183	Rekh Bdr Thapa	Magar	Ranipokhari-9		Agriculture	53	M	
184	Rishi Ram Ale	Magar	Rising Patan-9		Business	38	M	
185	Rok Bdr. Gurung	Gurung	Ranipokhari-9		Agriculture	55	M	
186	Santa B.K	Kami	Rising-Patan-9		Agriculture	57	M	
187	Santa Maya Thapa	Magar	Ranipokhari-9		Agriculture	35	F	
188	Santosh Thapa	Magar	Ranipokhari-9		Agriculture	15	M	
189	Shiva Bdr. Chhetri	Chhetri	Ranipokhari	NCP UML	Agriculture	47	M	
190	Sita Gaire	Bhraman	Rising Patan-9		Agriculture	34	F	
191	Som Pd. Shrestha	Newar	Ranipokhari-9		Agriculture	42	M	
192	Tej Bdr. Thapa	Magar	Ranipokhari-7		Agriculture	37	M	
193	Til Bdr Thapa	Magar	Ranipokhari-7		Agriculture	48	M	
194	Tirtha Raj Gaire	Brahmin	Ranipokhari-9		Agriculture	42	M	
195	Tul Bdr Thapa	Magar	Ranipokhari-9		Agriculture	29	M	
196	Tulasi Shrestha	Newar	Ranipokhari-9		Agriculture	35	M	
197	Uttam Kumar B.K	Kami	Ranipokhari-7		Agriculture	36	M	
	<b>Kot Durbar VDC</b>							
198	Bir Bdr. Thapa	Magar	Kot Durbar-7		Teacher	33	M	
199	Bishnu Bdr. Thapa	Magar	Kot Durbar-7		Agriculture	16	M	
200	Hari Bdr. Thapa	Magar	Kot Durbar-7		Agriculture	51	M	
201	Harka Bdr. Thapa	Magar	Kot Durbar-7			51	M	
202	Harsha Bdr Ale	Magar	Kot Durbar- 2		Agriculture	52	M	
203	Indra Bdr. Ale	Magar	Kot Durbar-6		Teacher	31	M	560161
204	Jhul Bdr. Aale	Magar	Kot Durbar-6		Agriculture	55	M	
205	Khadka Bdr. Ale	Magar	Kot Durbar-7		Agriculture	56	M	
206	Min Bdr. Sharu	Magar	Kot Durbar-7		Agriculture	36	M	
207	Nar Bdr Thapa	Magar	Kot Durbar-7		Agriculture	50	M	
208	Nar Bdr. Thapa	Magar	Kot Durbar-7		Agriculture	56	M	
209	Netra Bdr. Thapa	Magar	Kot Durbar-1	Lima Khola Hydroelectr	Agriculture	5	M	
210	Nil Bdr Thapa	Magar	Kot Durbar-4	Nepali Congress		55	M	560532
211	Padam Bdr. Ale	Magar	Kot Durbar-1	Lima Khola Hydroelectr	Agriculture	45	M	
212	Padam Bdr. Thapa	Magar	Kot Durbar-7		Agriculture	29	M	
213	Purna Bdr. Thapa	Magar	Kot Durbar-7		Business	30	M	065-560941
214	Sir Bdr. Thapa	Magar	Kot Durbar-7		Agriculture	32	M	
215	Surya Thapa	Magar	Kot Durbar-7			57	M	

**Kahun Shivapur VDC**

216	Asha Bdr BK		Kahun-Shivapur-1			48	M	
217	Asis Thapa	Magar	Kahun Shivapur-1		Agriculture	24	M	
218	Baburam Karki	Karki	Kahun Shivapur VDC-4	Kahu VDC	Chairman	53	M	
219	Bal Bdr. Ranabhat	Magar	Kahun shivapur-1		Agriculture	50	M	
220	Balraya Thapa	Chhetri	Kahun Shivapur		Agriculture	28	M	
221	Balisara Thapa	Magar	Kahun Shivapur-1		Agriculture	20	F	
222	Bam Thapa	Magar	Kahun Shivapur - 2		Agriculture	20	M	
223	Basanta Bdr. Thapa	Magar	Kahun Shivapur-1		Agriculture	33	M	
224	Bhim Kumari Sharu	Magar	Kahun Shivapur-1		Agriculture	39	F	
225	Bhim Nath Paudel	Braman	Kahun Shivapur-7		Agriculture		M	560358
226	Bir Bdr Thapa	Magar	Kahun Shivapur-1		Agriculture	20	M	
227	Bir Bdr Thapa	Magar	Kahun Shivapur-1		Agriculture	63	M	
228	Bisha Ale	Magar	Kahun-Shivapur-1		Agriculture	63	F	
229	Bishnu Parajuli	Braman	Kahun Shivapur-6		Service	22	M	9846065470
230	Bom Bdr. Thapa	Magar	Kahun-Shivapur-1		Agriculture	32	M	
231	Buddhi Bdr. Rana	Magar	Kahun Shivapur-1		Agriculture	52	M	
232	Chakra Bdr Adhikari	Braman	Kahun Shivapur-1	RP	Service	49	M	560509
233	Chij Kumari Thapa	Magar	Kahun-Shivapur-1		Agriculture	45	F	
234	Dhal Bdr. Thapa	Magar	Kahun shivapur-1		Agriculture	25	M	
235	Dhan Bdr. Aale	Magar	Kahun Shivapur -1			29	M	
236	Dhan Kumari Saru	Magar	Kahun-Shivapur-1		Agriculture	36	F	
237	Dhol Bdr Thapa	Magar	Kahun Shivapur-1		Pension	73	M	
238	Dil Bdr. Aale	Magar	Kahun Shivapur-1			60	M	
239	Dil Bdr. Thapa	Magar	Kahun Shivapur-4		Business	30	M	
240	Durga Bdr. Garja Magar	Magar	Kahun Shivapur -1	Agriculture		42	M	
241	Haribhakta Wagle	Braman	Kahun Shivapur-8	DDC	Service	40	M	560534
242	Hem Thapa	Magar	Kahun Shivapur		Agriculture	33	M	
243	Jagat Bdr Thapa	Magar	Kahun Shivapur-1		Agriculture	44	M	
244	Jit Bdr. Rana	Magar	Kahun Shivapur -1		Agriculture	54	M	
245	Juna Sharu	Magar	Kahun Shivapur-1		Agriculture	35	F	
246	Kamal Thapa	Magar	Kahun Shivapur-1		Agriculture	38	F	
247	Khum Bdr. Thapa	Magar	Kahun Shivapur		Agriculture	20	M	
248	Krishna Ale	Magar	Kahun Shivapur-1		Agriculture	32	M	
249	Krishna Bdr. Ale	Magar	Kahun Shivapur-1	DDC	Service	22	M	
250	Kul Bdr Thapa	Magar	Kahun Shivapur-1	DDC	Service	22	M	
251	Kumari Thapa	Magar	Kahun Shivapur-1		Agriculture	38	F	
252	Laxman Thapa	Magar	Kahun-Shivapur-1		Agriculture	22	M	
253	Madhu Maya Rana	Magar	Kahun Shivapur-1		Agriculture	32	F	
254	Mahadev Thapa	Magar	Kahun Shivapur-1			23	M	
255	Makar Bdr. Thapa	Magar	Kahun Shivapur-1		Agriculture	27	M	
256	Min Bdr. Thapa	Magar	Kahun Shivapur-1		Service	54	M	

257	Mohan Bdr. Ale	Magar	Kahun Shivapur-1		Agriculture	28	M	561708
258	Mohan Sing Garja	Magar	Kahun Shivapur-1		Agriculture	34	M	
259	Nar Bdr. Rana	Magar	Kahun Shivapur-1	DDC	Service	22	M	
260	Om Bdr. Thapa	Magar	Kahun Shivapur -5		Agriculture	49	M	9846065048
261	Om Bdr. Thapa	Magar	Kahun Shivapur-1		Agriculture	58	M	
262	Padam Bdr. Thapa	Magar	Kahun Shivapur-1			23	M	
263	Prem Bdr Ale	Magar	Kahun Shivapur-1		Agriculture	25	M	
264	Prem Kumari Thapa	Magar	Kahun Shivapur-1		Agriculture	35	F	
265	Purni Maya Thapa	Magar	Kahun Shivapur-1		Agriculture	32	F	
266	Rahemaya Sahkhi	Newar	Kahun-Shivapur-1		Agriculture	59	F	
267	Ram Nepali	Sarki	Kahun Shivapur-1		Student	23	M	
268	Ramesh Sigdel	Bhraman	Kahun Shivapur -4		Student		M	
269	Rim Bdr. Pulami	Magar	Kahun Shivapur-1		Agriculture	36	M	
270	Shiva Lal Thapa Magar	Magar	Kahun Shivapur-1		Agriculture	52	M	
271	Shree Prasad Aale	Magar	Kahun Shivapur-1		Agriculture	28	M	
272	Som Bhadur	Bika	Kahun-Shivapur-1		Agriculture	33	M	
273	Som Thapa	Magar	Kahun Shivapur-4		Student	19	M	
274	Somante Aale	Magar	Kahun Shivapur -1		Agriculture	61	M	
275	Tek Bdr Garja	Magar	Kahun Shivapur-1		Agriculture	36	M	
276	Tek Bdr. Acchami	Nepali	Kahun shivapur-1		Agriculture	52	M	
277	Tul Bahadur Ale	Magar	Kahun-Shivapur-1		Agriculture	30	M	561001
278	Yam Bdr. Sabha	Magar	Kahun Shivapur-1		Agriculture	48	M	
279	Yam Bdr. Thapa	Magar	Kahun Shivapur-1		Agriculture	32	M	
280	Yam Maya Thapa	Magar	Kahun Shivapur-1		Agriculture	40	F	
281	Yaman Sing Nepali	Damai	Kahun Shivapur-1		Agriculture	57	M	
282	Krishna Pd Dhital	Braman	Belbas	DDC	Service	48	M	
283	Govinda Acharya	Braman	Belbas	DDC	Service	30	M	
284	Nabin Tiwari	Braman	Belbas		Agriculture	35	M	
285	Bishnu Raj Tiwari	Braman	Belbas-1		Business	32	M	
286	Kesh Bdr. Pariyar	Pariyar	Belbas-1		Service	30	M	
287	Asha Thapa	Magar	Belbas-1		Business	50	F	
288	Krishna Kumari Malla	Thakuri	Belbas-1		Business	55	F	
289	Dan Bdr Malla	Thakuri	Belbas-1		Agriculture	70	M	
290	Indra Bdr. Thapa	Magar	Belbas-1		Agriculture	50	M	
291	Baburam Thapa	Magar	Belbas-1		Agriculture	40	M	
292	Mahindra Bdr.	Thakuri	Belbas-1		Agriculture	59	M	
293	Hem Raj Chanda		Belbas-1		Agriculture	63	M	
294	Jagannath Acharya	Brahmin	Belbas-1		Agriculture	63	M	
295	Bijuli Prasad Tiwari	Brahmin	Belbas-1		Agriculture	51	M	
296	Madhu Man Thapa	Magar	Jhapputar-1		Agriculture	50	M	
297	Purna Bdr. Thapa	Magar	Jhapputar-1		Agriculture	35	M	
	<b>Vyas Municipality</b>							
298	Aausha Shrestha	Newar	Vyas-3			16	F	
299	Amar Raj Lohoni	Braman	Vyas-2		Journalist	25	M	65560931
300	Amrit Bdr. Raut	Chhetri	Vyas-11			31	M	9846040450
301	Amrit Chhetri	Chhetri	Vyas		Agriculture	43	M	
302	Arjun Kumar Shrestha	Newar	Vyas-2		Business	30	M	
303	Arjun Poudel	Braman	Vyas-10		Student	18	M	
304	Arun Kafle	Braman	Vyas-2	Gorkhapatra	Reporter	21	M	560461
305	Babu Ram Koirala	Braman	Vyas-5	DDC	Service	45	M	
306	Baburam		Vyas-10		Business	36	M	
307	Baburam Kafle	Braman	Vyas-10		Business	45	M	
308	Bai Bdr. Chhetri	Chhetri	Vyas-10	District Administration C	Job	27	M	9846043611
309	Barun Poudel	Braman	Vyas -10			26	M	
310	Bhadri Prasad Pandit	Braman	Vyas-2		Agriculture	84	M	
311	Bharat B. K.	Dalit	Vyas-2			31	M	9846065324
312	Bhim Bdr Adhikari	Braman	Vyas-10			31	M	
313	Bhim Bdr. Bote	Bote	Vyas-5		Agriculture		M	
314	Bhim Bdr. Gurung	Gurung	Vyas-11		Formal Indian Army	42	M	
315	Bhoj Raj Parajuli	Braman	Vyas-10		Agriculture	56	M	560928
316	Bhoj Ram Bhandari	Newar	Vyas-10		Business	34	M	9846043414
317	Bir Bdr. Thapa	Magar	Vyas-7		Social Worker	32	M	
318	Bishwa Bote	Bote	Vyas-5			40	M	
319	Bishwa Prakash Suvedi	Braman	Vyas-7		Agriculture	24	M	
320	Bom Bdr. Thapa	Chhetri	Vyas-10		Agriculture	50	M	561636
321	Brishpati Dhital	Brahmin	Vyas-2		Agriculture	70	M	
322	Buddha Singh Thapa	Magar	Vyas-10		Business	51	M	
323	Buddhi Kumar Batas	Newar	Vyas-10		Agriculture	73	M	
324	Chandra Bahadur Thapa	Thapa	Vyas. -10	District Administration C	Job	47	M	9846055940
325	Chandra Bdr Kunwar		Vyas-11	Nepal Army	Service	34	M	
326	Chandra Kala Baral	Bhraman	Vyas-10		Agriculture	58	F	65560746
327	Chandra Kumar Shrestha	Newar	Vyas-2		Business	80	M	
328	Chitra Bdr. Magar	Magar	Vyas-7	Shiva Shankar Pra. Vi	Staff	36	M	
329	Chuda Ram Paieda		Vyas-1			49	M	065-61149
330	Dal Bdr. BK	Kami	Vyas-10		Business	67	M	
331	Damodar Bimali	Braman	Vyas-1		Agriculture	56	M	
332	Deepak Ojha	Bhraman	Vyas-11	NEA Tanahu	Staff	28	M	9846043330
333	Dev Nidhi Panta	Panta	Vyas-11 Damauli		Agriculture	62	M	560961
334	Dhan Maya Gauli	Newar	Vyas-10		Business	45	M	
335	Dhan Raj Nepali		Vyas-1		Business	35	M	
336	Dhanu Maya Nepali	Dalit	Vyas-10	Women Development C	Service	38	F	65560142
337	Dhol Bdr. Bauki		Vyas-1		Agriculture	63	M	
338	Dhol Raj Chhetri	Chhetri	Vyas-11		Agriculture	51	M	
339	Dhruba Laudari	Braman	Vyas-2		Student	29	M	9846062115
340	Dhurba Raj Gautum	Braman	Vyas -10		Agriculture	49	M	
341	Dr. Raghu Nath Neupane	Bhraman	Vyas-11	Shrijansil Samajha, Tar	Doctor	59	M	9846043142
342	Durga Bhakta Adhikari	Bhraman	Vyas-1		Agriculture	51	M	
343	Durga Bhakta Wagle	Braman	Vyas -8	Shree Sarawati Primary	Headmaster	40	M	
344	Durga Nidhi Lohani	Bhraman	Vyas-11			51	M	

345	Durga Prasad Pandit	Braman	Vyas -10	District Agricultural Dev	Officer	42	M	
346	Fadindra Aryal	Chhetri	Vyas-8			55	M	560367
347	Fal Bdr Thapa	Magar	Vyas-11		Teacher	40	M	9846055858
348	Hari Bhakta Marasini	Bhraman	Vyas-10		Social Service	61	M	
349	Hari Prasad Kiran		Vyas-1	Vyas Municipality	Staff	53	M	065-560233
350	Harka Man Shrestha	Newar	Vyas-10		Agriculture	58	M	563437
351	Harkha Man Shrestha	Newar	Vyas ward no -10		Agriculture	58	M	60437
352	Hem Kanta	Braman	Vyas-11			56	M	56560089
353	Hem Paudel	Braman	Vyas-7		Agriculture	44	M	
354	Hira Thapa	Magar	Vyas		Student	27	M	9846027881
355	Hom Raj Thapa	Magar	Vyas-7		Agriculture	53	M	
356	Indira Hadkhale	Chhetri	Vyas-1		Student	24	M	560947
357	Jagat Bahadur	Baniya	Vyas-2			53	M	560841
358	Jaya Bharati Giri	Giri	Vyas-7	DWO	Service	40	F	65560119
359	Jit Bdr. Shrestha	Newar	Vyas -11		Agriculture		M	9846055244
360	Jun Raj Shrestha	Newar	Vyas-2			53	M	9846055655
361	Jyoti Raman Khanal	Braman	Vyas-8		Teacher	40	M	
362	Kamal Gimire	Braman	Vyas-10		Contractor	25	M	
363	Kapil Dev Gyawali	Braman	Vyas-1	REDP	EDO	32	M	
364	Keshar Bdr Thapa	Magar	Vyas-5		Agriculture	65	M	
365	Keshav Wagle	Braman	Vyas-10		Business	36	M	561662
366	Khim Bdr Thapa	Magar	Vyas-8			28	M	9846062007
367	Kopila Mani Paudel	Braman	Vyas-10		Business	57	M	560417
368	Krishna		Vyas-7		Agriculture	48	M	
369	Krishna Basnet	Braman	Vyas-5		Agriculture	21	M	
370	Krishna Bhandari	Chhetri	Vyas-1		Business	42	M	
371	Krishna Dhunghana	Braman	Vyas-10		Business	36	M	
372	Krishna Gautam	Braman	Vyas-2	Nepali Congress		49	M	560244
373	Krishna Hari Panta	Bhraman	Vyas-6	Gramin Bikash Sewa		38	M	560159
374	Krishna Narayan Shrestha	Newar	Vyas-7		Contractor	36	M	
375	Krishna Raj Wagle		Vyas-10			54	M	
376	Lal Bdr. Ale	Magar	Vyas-2		Agriculture	70	M	
377	Laxman CK	Chhetri	Vyas-10		Student	20	M	
378	Laxmi Bhakta Khanal	Braman	Vyas-11		Student	23	M	
379	Madan Raj Sharma	Bhraman	Vyas-7		Agriculture	53	M	
380	Madan Wagle	Braman	Vyas -2	Reporters Club, Tanahu	Chairman	28	M	9846026230
381	Madhav Adhikari	Bhraman	Vyas-11			50	M	
382	Mahendra Thapa	Magar	Vyas-7		Agriculture	62	M	
383	Man Ballav Khanal	Braman	Vyas-3		Student	22	M	
384	Man Bdr. Gurung	Gurung	Vyas-1		Agriculture	62	M	561642
385	Mangal Prasad Shrestha	Newar	Vyas-2		Business	61	M	
386	Maya Devi Soti		Vyas-10		literature	39	F	
387	Mira Joshi		Vyas-2		Social Worker	47	F	
388	Mun Bdr.	Darai	Vyas-3	DDC	Service	43	M	560534
389	Nanda Lal Sharma	Bhraman	Vyas-10			55	M	
390	Nar Bdr Rana Magar	Magar	Vyas-7		Agriculture	41	M	
391	Nar Bdr.	Magar	Vyas-2		Agriculture		M	9846043484
392	Nar Bdr. Sharma	Bhraman	Vyas-2		Agriculture	52	M	
393	Nirmal Kafle	Braman	Vyas-2	Tanahu, Aawaj	Reporter	20	M	561007
394	Pabitra Paudel	Bhraman	Vyas-10	Social Worker		48	F	
395	Padam Bdr	Godar	Vyas-2		Agriculture	65	M	
396	Padam Kumar Shrestha	Newar	Vyas -2		Business	57	M	
397	Padam Raj Khanal	Braman	Vyas-4		Student	23	M	
398	Padam Raj Shrestha	Newar	Vyas-8		Agriculture	46	M	560697
399	Parsu Ram Giri	Giri	Vyas-7		Teacher	45	M	9846055231
400	Prakash Chandra Bhattarai	Braman	Vyas-1	INSEC	Service	23	M	65561705
401	Prakash Pariyar		Vyas-5		Student	21	M	
402	Prakash Sharma Oli	Braman	Vyas-2		Student	28	M	9846062066
403	Prem Bdr. B.K		Vyas-5	Shree Chandi Devi	Student	24	M	
404	Prem Bdr. Rana		Vyas-10		Business	50	M	
405	Prem Paudel	Braman	Vyas-10	Lokbani Saptahik	Journalist	35	M	
406	Puja Shrestha	Newar	Vyas-3			19	F	
407	Punya Pd. Paudel	Braman	Vyas	Irrigation Office	Service	50	M	65560114
408	Purna Bdr. B. K		Vyas-9		Agriculture	36	M	
409	Purna Man Shrestha	Newar	Vyas-11		Agriculture	60	M	
410	Purosuttam Kafle	Braman	Vyas-10		Agriculture	64	M	
411	Rabi Chandra Aryal	Braman	Vyas-8			61	M	561306
412	Rabin Paudel	Braman	Vyas-2	RSS	Reporter	21	M	561758
413	Radha Wagle	Bhraman	Vyas-11	Women Development C	Service	30	F	9846043237
414	Raghu Nath Poudel	Braman	Vyas -10	Damauli Hospital	Emplyee	29	M	9846046282
415	Raj Kumar		Vyas-11				M	
416	Raj Kumar Shrestha	Newar	Vyas-1	Ji. Shi. Ka. Tanahu	Job	37	M	9846040463
417	Raj Kumar Shrestha	Newar	Vyas-10	Community Forest Con	Agriculture	49	M	65560975
418	Rajendra Khanal	Braman	Vyas-7		Teacher	39	M	
419	Rajendra Sharma	Braman	Vyas-11	Gandaki Technical	Service	22	M	
420	Rajendra Suvedi	Braman	Vyas-7		Agriculture	30	M	
421	Rajeshwor Hadkhale	Bhraman	Vyas-1		Service	34	M	
422	Ram Chandra Tiwari	Braman	Vyas-2	District Educational Offi	Service	26	M	65560644
423	Ram Kumar Thapa	Magar	Vyas-10		Business	45	M	
424	Ram Nath Bhattarai	Braman	Vyas-2	Human Rights	Service	50	M	
425	Ram Nath Rimai	Braman	Vyas-2			37	M	
426	Ram Prasad Bhattarai	Braman	Vyas-11		Agriculture	64	M	
427	Ramchandra Paudel	Braman	Vyas-2	Nepal Tarun Dal	Member	34	M	9846040408
428	Ramji Laudari	Braman	Vyas-2	Nepal Kishan Song	President	49	M	
429	Ranjit Giri	Bhraman	Vyas-7		Agriculture	66	M	
430	Resham Lal Chhetri	Chhetri	Vyas-10		Business	89	M	
431	Ril Bdr. Rajkoti	Magar	Vyas -2		Business	56	M	
432	Rudra Gurung	Gurung	Vyas-2		Agriculture	63	M	
433	Rudra Narayan Shrestha	Newar	Vyas-9		Agriculture	73	M	

434	Sainam Giri	Giri	Vyas-2			58	M	560507
435	Sambhu Lal Shrestha	Newar	Vyas-10		Business	62	M	490132
436	Samundra Godar	Chhetri	Vyas-4	Nepali Congress Democracy			M	
437	Sangam Sapkota	Bhraman	Vyas -10		Student	31	F	9846062355
438	Santa Bdr. Koirala	Dalit	Vyas-2			28	M	065-560013
439	Santa GC		Vyas-11		Agriculture	40	F	
440	Santi Kumari Bhugel		Vyas-10		Business	45	F	
441	Santosh Wagle	Bhraman	Vyas-1		Student		M	
442	Sarad Raj Khanal		Vyas-8	Shree Deepak Ma. Vi	Teacher	39	M	
443	Sarita Sharma	Bhraman	Vyas-2		Agriculture	41	F	
444	Shankar Bdr. Pande	Chhetri	Vyas-10		Business	40	M	560683
445	Shiva Hari Dhital	Braman	Vyas-2			30	M	065-561551
446	Shree Bdr. Saru	Magar	Vyas-6		Agriculture	42	M	
447	Shree Lal CK	Chhetri	Vyas-10		Student	20	M	
448	Shyam Lal Goseli	Newar	Vyas -2	Business	Social Worker	60	M	
449	Sujit Narayan Shrestha		Vyas-10		Business	30	M	
450	Suresh Ale	Magar	Vyas-7		Student	22	M	561253
451	Suresh Gimire	Braman	Vyas-2		Carpenter	27	M	
452	Surya Bdr. Thapa	Chhetri	Vyas-10		Agriculture	45	M	
453	Surya Bhakta Bhandari	Braman	Vyas-10		Agriculture	46	M	56232
454	Surya Gaire	Braman	Vyas-11	Shree Deepak High Sch	Teacher	39	M	
455	Surya Pd. Kafle	Braman	Vyas-2		Agriculture	65	M	560210
456	Tara Bdr. Thapa	Magar	Vyas-10		Agriculture	58	M	
457	Tej Bdr. Gurung	Gurung	Vyas-1		Agriculture	46	M	
458	Tek Bdr. Gurung	Gurung	Vyas -11		Agriculture	76	M	
459	Thakur Pd. Panta		Vyas-2		Agriculture	63	M	
460	Tikaram Shrestha	Newar	Vyas-10	Hotel	Business	59	M	
461	Til Bdr. Gurung	Gurung	Vyas-2		Agriculture	68	M	
462	Tirtha Pd. Sharam	Braman	Vyas-3		Agriculture	50	M	
463	Tol Bdr. Aale	Magar	Vyas-2		Business	45	M	
464	Top Bdr. Saru	Magar	Vyas-6		Agriculture	59	M	
465	Tribhuvan Shrestha	Newar	Vyas-10				M	9846055272
466	Uma Shankar Parel		Vyas-2		Chairman	38	M	
467	Upnil Pande	Chhetri	Vyas-10		Student	28	M	9846024716
468	Vhoj Raj Khanal	Braman	Vyas-7		Agriculture	68	M	560252
469	Yagya Prasad Khanal	Bhraman	Vyas-8		Agriculture	40	M	
470	Yub Raj Nepali		Vyas-11			60	M	
471	Indra Pd. Wagle		Beni Patan		Agriculture	53	M	
472	Ajaya Shrestha	Newar	Patan		Business	48	M	
473	Babu Lal Shrestha	Newar	Patan -7		Agriculture	51	M	
	<b>Pokhari Bhanjyang VDC</b>							
474	Amar Bdr Ale		Pokhari Bhanjyang-1		Agriculture	66	M	
475	Arjun Suvedi	Braman	Pokhari Bhanjyang-1		Student	20	M	
476	Bal Ram Tiwari	Braman	Pokhari Bhanjyang-1		Agriculture	24	M	
477	Bhanu Rana	Magar	Pokhari Bhanjyang-1		Student	19	M	
478	Bhishwa Nath Bakila	Braman	Pokhari Bhanjyang-1	Nepal Bar Association	lawyer	35	M	
479	Bin Bahadur Sahi		Pokhari-Bhanjyang		Agriculture	40	M	
480	Chet Bdr. Rana		Pokhari Bhanjyang-1		Agriculture	49	M	560009
481	Dil Bdr Thapa	Magar	Pokhari Bhanjyang-1		Business	32	M	
482	Diwa Satiwari	Bhraman	Pokhari-Bhanjyang	Belbas Sahakari	Administrator	24	M	
483	Govinda Prasad Neupane		Pokhari Bhanjyang		Agriculture	66	M	
484	Krishna Neupane	Bhraman	Pokhari-Bhanjyang		Agriculture	34	M	
485	Laxmi Kanta Mishra	Braman	Pokhari Bhanjyang -1	Shree Sidha Beni LSS	Headmaster	41	M	
486	Lekh Bdr. Rana	Magar	Pokhari Bhanjyang-	Nepali Congress	Social Worker	48	M	
487	Nabin Tiwari	Bhraman	Pokhari-1		Student	20	M	
488	Nar Bdr. Ramjam		Pokhari Bhanjyang-1		Technician	53	M	
489	Narsh Giri	Giri	Pokhari-Bhanjyang	Union of Nepal Student	Politician	21	M	
490	Rajendra Bdr Sedhai	Chhetri	Pokhari Bhanjyang-1		Agriculture	28	M	
491	Ram Bdr. Hamal		Pokhari Bhanjyang-1		Agriculture	61	M	9841533374
492	Rekh Bdr Thapa		Pokhari Bhanjyang-1		Business	39	M	065-560337
493	Shak Bdr. Rana	Magar	Pokhari Bhanjyang Jai devi		Teacher	43	M	9846055546
494	Sujan Thapa	Magar	Pokhari Bhanjyang-1		Student	19	M	9846055196
495	Yam Bahadur Ale	Magar	Pokhari-Bhanjyang		Agriculture	52	M	
	<b>Others</b>							
496	Bil Bdr. Thapa	Magar	Aapkatar-1		Agriculture	53	M	
497	Mekh Thapa	Magar	Arunodaya		Agriculture	35	M	9846063424
498	Ganesh Thapa	Magar	Bag Gaun			41	M	
499	Adhum Prasad Kafle	Bhraman	Bandipur-2		Agriculture	59	M	
500	Giri Bdr. Thapa	Magar	Bandipur-2		Agriculture	58	M	
501	Tek Bdr. Chhetri	Chhetri	Bandipur-2		Agriculture	52	M	
502	Balkrishna Khatri	Braman	Bar Bhanjyang		Teacher	41	M	
503	Tanka Bahadur B.K		Bhirkot		Agriculture	53	M	
504	Bhok Bdr.	Nepali	Bhirkot		Agriculture	36	M	
505	Gopi Krishna Thapa	Magar	Bhagabatipur-3		Agriculture	53	M	
506	Jukta Raj Wagle		Bhanjhang-1			58	M	
507	Laxmi Pd. Acharya	Braman	Bhanu	Nepali Congress	Agriculture	50	M	
508	Jit Bdr. Gharti	Gharti	Bhanu-3		Agriculture	35	M	
509	Bhupal Tamang		Chowk Chisapani-9		Agriculture	45	M	
510	Tek Bdr. Gurung	Gurung	Keshabtar-8		Agriculture	70	M	
511	Nav Raj Bagale	Braman	Pokharipatan-1	Rural & Alternative (P)	Office Assistant	29	M	065-560573
512	Chan Narayan Shrestha	Newar	Purkot VDC	Purkot VDC	VDC Secretary	46	M	065-529315
513	Thakur Pd. Sigdel	Braman	Raipur	Hamsha Bahini	Teacher	32	M	9846029106
514	Buddhi Man Rana Magar	Magar	Ramjakot-1		Agriculture	28	M	
515	Megha Nath Bastakoti	Braman	Ramjakot-5		Agriculture	37	M	
516	Padam Bdr. Thapa	Magar	Ramjakot-7		Formal Chairman	53	M	
517	Tek Bdr. Thapa	Magar	Ramjakot-7				M	
518	Nok Bdr. B.K	B.K	Ramjakot-5		Politician	50	M	460134
519	Govinda Paudel		Risti-1		Student	25	M	
520	Lai Bdr. Lama	Lama	Rupakot		Agriculture	70	M	



521	Ram Bdr. BK	Dalit	Rupakot-1		Student	27	M	
522	Pabitra BK	Dalit	Rupakot-1		Teacher	36	F	
523	Bimal Joshi		Rupakot-3		Business	29	M	
524	Mohan Adhikari	Chhetri	Rupakot-4		Agriculture	30	M	
525	Mana Hari Adhikari	Braman	Rupakot-4	DDC	Service	31	M	
526	Hom Bdr. BK	Dalit	Sanga Bhanjayang-3		Agriculture	50	M	
527	Rafique Miya	Miya	Satuswara-5	Formal VDC	Chairman	41	M	
528	Chiranjivi Kafle	Braman	Shyamgh-8	Nepali Congress			M	
529	Bimata Wagle	Bhraman	Tanahu	Ma.Bi.Ka. Tanahu	Staff	34	F	560142
530	Krishna Bdr. Thapa	Magar				50	M	
531	Buddhi Man Rana	Magar			Agriculture	40	M	
532	Bhim Thapa	Magar			Agriculture	67	M	
533	Shree Krishna Thapa	Magar			Agriculture	39	M	
534	Dipendra Aryal	Bhraman			Teacher	31	M	
535	Burja Bdr. Maila					58	M	
536	Narayan Dhakal	Bhraman		Tanahu	Job		M	
537	Sita Devi Poudel	Bhraman			Business	33	F	9846038322
538	Ram Kumar Shrestha	Newar				35	M	
539	Dhurva Raj Tiwari	Bhraman			Agriculture	35	M	
540	Narayan Kafle	Braman	Kathmandu		Agriculture	45	M	
541	Harishchandra Aryal	Bhraman	Dhorkimi			43	M	9846027123
542	Yam Prasad Bhattarai	Braman	Dorferdi	Sabhar	Social Worker	38	M	9846061582
543	Sabita Rashaali	Sunar	Dulegauda -8		Teacher	29	F	
544	Gopal Adhikari		Dumre	Nepali Congress	Social Service	52	M	
545	Hom Bdr Thapa	Magar	Faputar		Agriculture	34	M	
546	Pradeep Chumi Magar	Magar	Faputar		Agriculture	19	M	
547	Dibakar Bhandari	Braman	Gajarkot		Student	16	M	
548	Danda Pani Kaini		Ghasikuwa		Agriculture	63	M	
549	Guna Nidhi Sharma	Braman	Ghasikuwa-1			54	M	560367
550	Tilak Kaini	Braman	Ghasikuwa-3		Agriculture	40	M	
551	Padam Raj Lohoni	Braman	Ghasikuwa-4		Agriculture	44	M	65561077
552	Ramji Lamichane	Braman	Gorkha	DWSS	Service	42	M	560110
553	Kedar Sigdel	Bhraman	King-7	Nepal Comunist Party	District Community	48	M	460134
554	Prabin Raj Aryal	Bhraman	Ktm	Ministry of Water Resol	Job	41	M	4211501
555	Prabin Raj Aryal	Bhraman	KTM	Ministry of Water Resol	staff		M	4211501
556	Chatur Bdr. Shrestha	Newar	KTM	Department of Electricit	Job		M	4480425
557	Tej Kumar Shrestha	Newar	KTM		Consultant	55	M	4279748
558	Lip Bdr. Ale	Magar	Kye VDC	Byabasahi Mancha	Chairman	36	M	9846024635
559	Nav raj Nagila	Braman	Lawyer	Pragatisil Law Form			M	
560	Shankar Babu Baral	Braman	Lekhnath-3		Business	32	M	
561	Dilli Ram Adhikari	Braman	Thaprek	Nepali Congress	Agriculture	54	M	
562	Rudra Narayan Khanal	Braman	Thaprek	Nepali Congress	Agriculture	44	M	60930
563	Uma Kant Acharya		Thaprek	Ne. Ka		27	M	560689
564	Khem Raj Adhikari	Bhraman	Thaprek-1		Agriculture	40	M	
565	Thakur Pd. Paudel		Thaprek-5		Service	43	M	
566	Govinda Raj Joshi				M.P Member		M	
567	Kashi Raj Marashini						M	
568	Bal Bdr. Thapa				Staff	48	M	
569	Raj Bdr. Rahut	Rahut	District Forest Office		Staff	47	M	
570	Damodar Suvedi				Agriculture	54	M	
571	Krishna Giri	Giri			Agriculture	63	M	9846055733
572	Bishnu Prasad Khanal	Bhraman	D.D.C	D.D.C Tanahu		45	M	065-560174
573	Lalan Kundasi	Braman	DDC, Tanahu	DDC, Tanahu	Officer	35	M	
574	Chatur Bdr. Shrestha	Newar	Department of Electric	Department of Electric	Job	40	M	4480425
	JICA							
575	Kozuki Kasahori		Jica Tokyo		Jica Staff	30	M	
576	Saukha Rana	Chhetri	KTM	JICA Nepal Office	JICA Staff	37	M	5552711
577	Sayako Tokuda		JICA Team	JICA Nepal Office	JICA Staff	32	M	5552711
	NEA							
578	Bhoj Raj Regmi	Braman	NEA	NEA			M	
579	Bishnu Bdr. Singh	Chhetri	NEA	NEA Kathmandu	Job	53	M	4370432
580	Bishnu Dash Joshi	Newar	Kathmandu	NEA	Engineer	45	M	270252
581	Hari Pandey	Bhraman	NEA	NEA Tanahu	Engineer	34	M	
582	Jagannath Acharya	Braman		NEA	Service	40	M	
583	Narayan Bdr. Khadka	Chhetri	Lalitpur	NEA	Job	45	M	5580374
584	Nashin Man Pradhan	Newar	Kathmandu	NEA	Engineer	37	M	4225411
585	Radesh Man Pradhanga	Newar	Kathmandu	NEA	Engineer	54	M	4243287
586	Rajan Rishi Kandel	Braman	NEA	NEA	Service	37	M	
587	Rajan Rishi Roa	Bhraman	KTM	NEA	NEA/Staff	37	M	491502
588	Shiva Chandra Jha	Braman	Kathmandu	NEA	Engineer	55	M	4279217
589	Umesh Bista		KTM	NEA	NEA/Staff	33	M	
	JICA Study Team							
590	Yoshimasa Ishii		JICA Team		Team Leader		M	
591	Tetsuya Hirahara		JICA Team		Economist		M	
592	Hironobu Nishimiya		JICA Team			40	M	
593	Hiroshi Murashige		Jica Study Team			46	M	
594	Jack Prosser		JICA Team			67	M	
595	Takahira Kato		Kanagwa, Japan	J-POWER	Ditto		M	
596	Tomoo Aoki		Tokyo, Japan	Nippon Koei	JICA Study Team		M	
597	Toshiko Shimeda		Jica Study Team			35	F	
598	Dr. Toran Sharma	Braman	Kathmandu	NESS	Consultant		M	
599	Dr. Madan Koirala	Bhraman	Thapathali	NESS	Consultant	50	M	4244989
600	Mahadev Prasad Jaisi	Bhraman	Thapathali	NESS	Consultant	39	M	4244989
601	Pradeep Poudel	Braman	Kathmandu	NESS		23	M	9841382529
602	Surendra Lamsal	Braman	Kathmandu	NESS			M	

## Brochure of Second Stakeholder Meeting



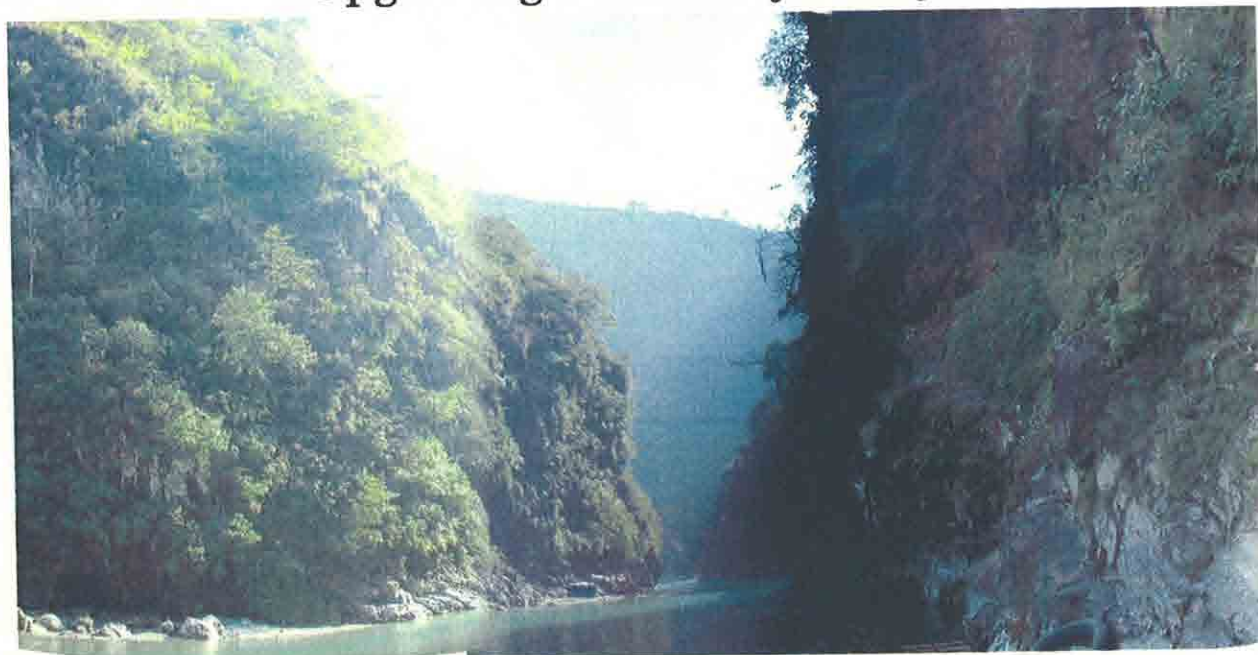
**Brochure of Second Stakeholder Meeting**

**The Upper Seti (Damauli) Storage Hydroelectric Project**

**2<sup>nd</sup> Stakeholder Meeting**

**for**

**Upgrading Feasibility Study**



**Damauli, Tanahu District  
December 1 2006/Mangsir 15 2063**

**Kathmandu  
December 6 2006/Mangsir 20 2063**

**Nepal Electricity Authority (NEA)  
Japan International Cooperation Agency (JICA)**

## 1. Background of the Project

In order to support poverty reduction efforts in Nepal, Government of Nepal has been implementing rural electrification and hydroelectric development projects by using its abundant water resource particularly in its Tenth Plan (2002-2007). The present total installed capacity in Nepal is 614 MW as of July 2006. Hydropower's share is 90 % of the total installed capacity which is 99 % of annually generated energy. On the other hand, power demand in the country has been growing approximately at a rate of 8 % per annum in recent ten years period (1995 to 2005).

The run-of-river (ROR) type of hydropower plants dominate the Nepal's hydro capacity. Since ROR type of hydropower plants can only marginally regulate river discharge for power generation, Nepal has been facing shortage of power in the dry season. Hence, Nepal Electricity Authority (NEA) has felt the necessity to develop storage type of hydropower plants which can seasonally regulate river discharge for generation in the dry period.

NEA conducted studies on storage type of hydropower projects and identified *Upper Seti Storage Hydroelectric Project* as a potential one. The Government of Nepal then requested the Government of Japan to implement an upgrading feasibility study (hereinafter referred to the Study) under the technical assistance of Japan International Cooperation Agency (JICA). The JICA Study team commenced the Study in February 2005.

## 2. Objective of the Study

The Study aims at formulating the optimum plan for development and assessing the technical, economical and financial, and environmental viabilities of the Project.

## 3. Schedule of the Study

The Study commenced in February 2005 and it will be completed by June 2007.

## 4. Range of the Study Area

The Study area of the Upper Seti Hydroelectric Storage Project is located in Tanahu District in Central Nepal and the transmission line route is from the powerhouse site at Damauli to the existing main transmission lines in Bharatpur. The Study area is assumed as follows:

- ◇ The Watershed: Approx. 1,502 km<sup>2</sup>
- ◇ The Reservoir area and its vicinity: Approx. 120 km<sup>2</sup>

The Project in the phase of construction and operation is likely to bring direct and indirect impacts to the following areas:

- The *dam site, powerhouse site and associated access roads, camps and construction facilities*

- The *Lower Reservoir*(downstream part of the reservoir), an approximately 15 km Seti River stretch that has limited habitation, is forested, and has narrow gorges, and
- The *Upper Reservoir*(upstream part of the reservoir), an approximately 12 km Seti River stretch which consists of relatively flat elevated and irrigated rice terraces, lower fertile land of Seti River, scattered settlements and the semi-urban of Bhimad Bazaar community
- *Downstream of the dam site*, low land of the Seti River banks which will be affected by the peaking flow

## 5. Optimum Project Layout and Scale

The JICA Study Team conducted an optimization study to select the most technically and economically feasible development plan which will have less impact on natural, socio-economic and cultural environment.

The optimization study was carried out based on data and information supplied by NEA, and the results of the following surveys/studies performed by the JICA Study Team;

- ✧ Supplementary environmental survey results including mitigation
- ✧ Geological investigation results
- ✧ Hydrological study results
- ✧ Power demand in the country

Based on the above data, Project cost including construction cost, compensation cost, mitigation cost and necessary cost for each case has been estimated. Its benefit based on an alternative thermal power plant has been also estimated. Hence, the ratio of benefit and cost is an index of economical evaluation for each case in consideration of environmental mitigation.

In the comparison study, the following factors were compared systematically;

- ✧ Five layouts which were introduced in the 1st stakeholder meeting conducted in June 2006
- ✧ Full supply water level in the reservoir between EL. 395 m to 435 m

More than 300 cases were compared, and the optimum case from the current study was selected which has the following features.

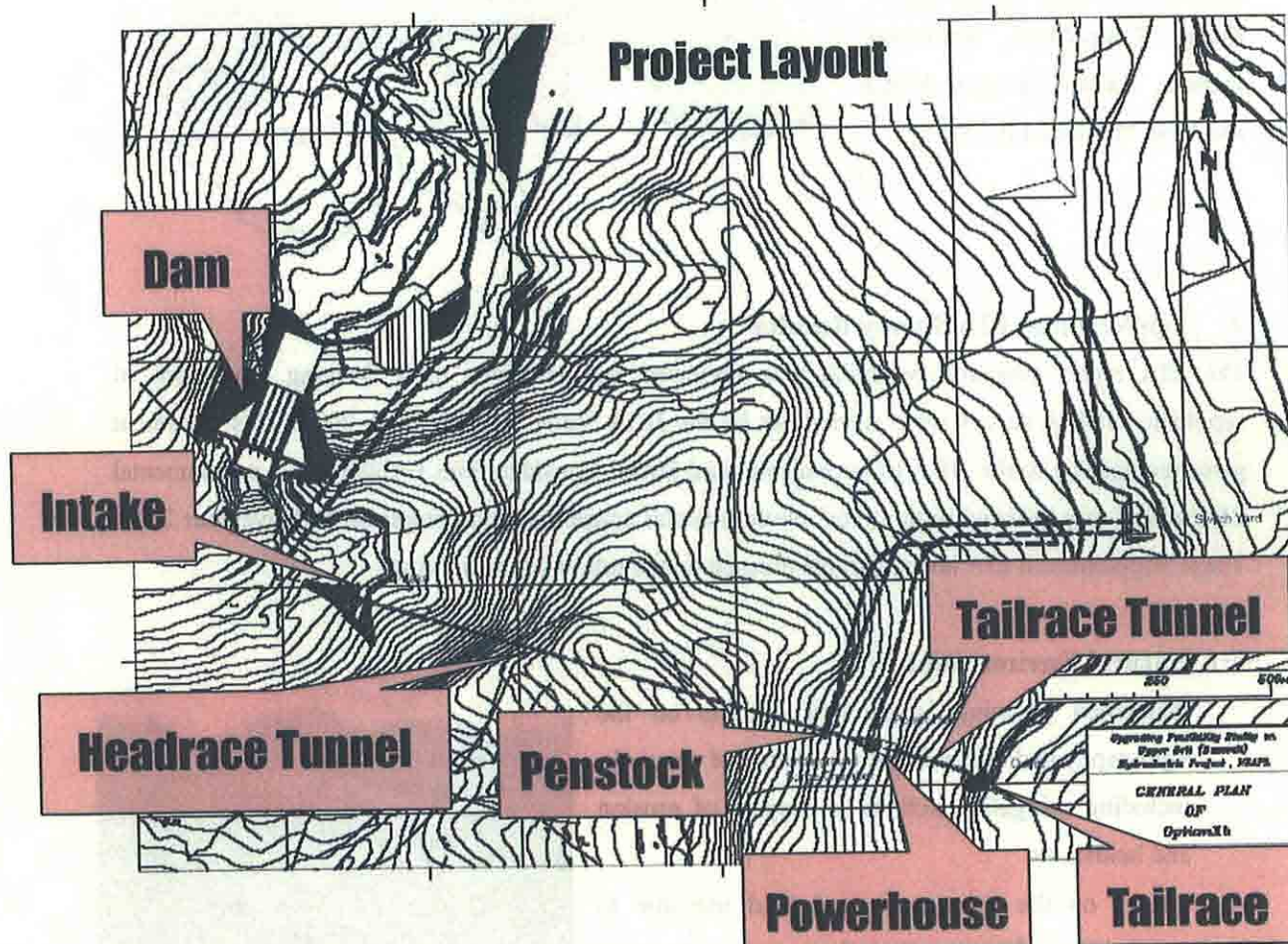
- ✧ Layout of Tailrace located at downstream of confluence of Seti River and Madi River
- ✧ A storage project with an installed capacity of 132 MW, reservoir length of 27 km, Full Supply Level of 420 m and reservoir area of approximately 7.9 km<sup>2</sup> located on Seti River. However, Fully Supply Level might be changed considering other



environmental indicators.

- ◇ An underground powerhouse

The JICA Study Team will continue this study, and design the Project at Upgraded feasibility study level, estimate project cost, and conduct overall economic and financial analysis by the time of completion of the Study. After the JICA Study, NEA will continue with the process for construction such as detailed design, tendering for construction works, and will implement the construction works.



## 6. Project Affected Area

The affected areas are categorized into the four areas as follows;

1	Reservoir areas	Bhimad, Chhang, Majkot, Rising Ranipokhari, Kotdurbar, Jamune, Kahun Shivapur VDCs, Vyas Municipality
2	Dam, powerhouse, tailrace and switch yards	Kahun Shivapur, Vyas Municipality
3	Project facility structures (access roads, camps, batching yards and spoil disposal)	Kahun Shivapur, Vyas Municipality



	yards)	
4	Downstream areas	Kahun Shivapur, Pokhari Bhanjyang, Keshavtar, Dharampani, Baidi, Chhipchhipe, Devghat, Deurali VDCs

Particularly, the project will affect reservoir areas and project facility structure sites covering 7VDCs, namely Bhimad, Chhang, Majkot, Rising Ranipokhari, Kotdurbar, Jamune, Kahun Shivapur VDCs and Vyas Municipality.



## 7. Supplemental EIA Survey Results

The EIA report prepared by NEA was reviewed and revisions of a Scoping Document of supplemental EIA survey were carried out by the JICA Study Team in early 2006. This document gives recognition to the JICA Environmental and Social Considerations Guidelines. A supplemental EIA survey was initiated with a local environmental consultant and completed in November 2006. These Supplemental EIA investigations focused on the following main issues.

### 7-1. Natural Environment

- Watershed planning issues and impacts on the topography and land use due to creation of reservoir, including mitigation actions in respect of erosion and landslides
- Impact on the topography and land use due to construction of permanent and temporary structures on both sides of the Seti River near its confluence with the Madi
- Impacts on the downstream Seti River due to reservoir water regulation and daily fluctuations in the flow of the river
- Impacts on reservoir water quality due to “algae blooms” requiring mitigating actions
- Alternative actions for the loss of 456 ha of National Protected and Community Forests
- Impact on wildlife resources, with over 16 species of mammals indicated as protected under present CITES Appendices and IUCN Red Data List, and this aspect to be confirmed and



mitigation actions to be proposed

- Impacts on aquatic ecology and fisheries including a serious impact which is difficult to mitigate and which will require construction of a fish hatchery with stocking of local species both in the reservoir area and in upstream zones of the Seti River, as per Kali Gandaki A HEP and with assistance of the Begnas Lake Fish Hatchery operation
- An Initial Environmental Evaluation of the Project's 38.4 km long 220 kV transmission line from the powerhouse at Damauli to Bharatpur was carried out which indicated acceptable impacts.

## 7-2. Socio-economic and Cultural Environment

- Impacts on cultivated area including some 166 ha in reservoir area
- Impacts on infrastructure such as 7 stretches motorable gravel road, 1 bridge, 7 suspension bridges, 22 foot trails, 1 causeway, 2 irrigation canals and 4 electric distribution line routes
- Impacts on community structures including 1 temple, 6 resting places and 1 ghat (cremation site)
- Impacts on annual agricultural production loss of 854 Metric ton
- Impacts on approximately 1057 household landowners in terms of land acquisition (reservoir areas and project facility sites)
- Impacts on structures to be acquired including houses, cow sheds, toilets of 155 households (reservoir areas and project facility sites)
- Some 122 households require relocation as their residential structures are affected (from Chhang, Rising Ranipokhari, Jamune, Kahun Shivapur VDC, and Vyas municipality), out of which 32 households are without legal land holdings
- The framework of Resettlement Plan including compensation and rehabilitation, and Social Action Plan are to be proposed



## 8. Stakeholders Meetings

In accordance with the JICA's Guidelines on Environmental and Social Consideration, stakeholders meetings are being arranged through the offices of NEA with the assistance of JICA Study Team. Initial Stakeholder Meetings were held in June 2006 which included intensive discussions with the local affected people in Damauli and with the concerned institutional representatives in Kathmandu. The 2<sup>nd</sup> stakeholder meetings will also be held in Damauli and Kathmandu in December 1 and 6



respectively. The objectives of this stakeholder meeting are as follows:

- (i) to explain and disclose information regarding the Study and environmental and social aspects and report on current progress on various Project activities
- (ii) to obtain concerns, opinions, suggestions and feedbacks particularly from the affected local people of the Project Area



The final Stakeholder Meetings are scheduled to be held in April or May 2007 in Damauli and Kathmandu to discuss about the final design, mitigation measures and enhancement programs.

## Program Schedule of Second Stakeholder Meeting in Damauli



## Program Schedule of Second Stakeholder Meeting in Damauli

**Date: December 1, 2006 (Mangsir 15, 2063)**

**Time: 10:30-15:30**

**Venue: District Development Committee, Damauli, Tanafu District**

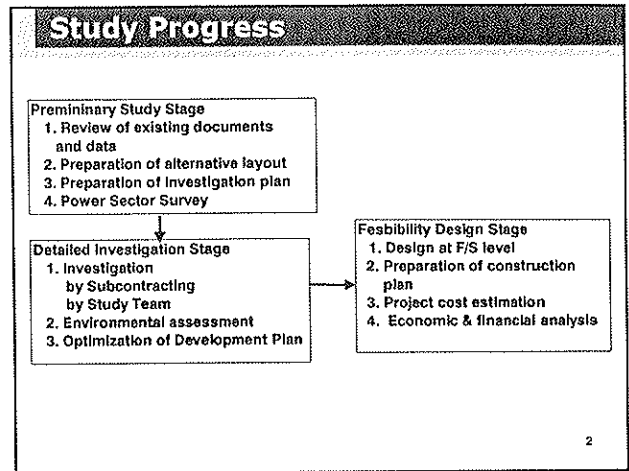
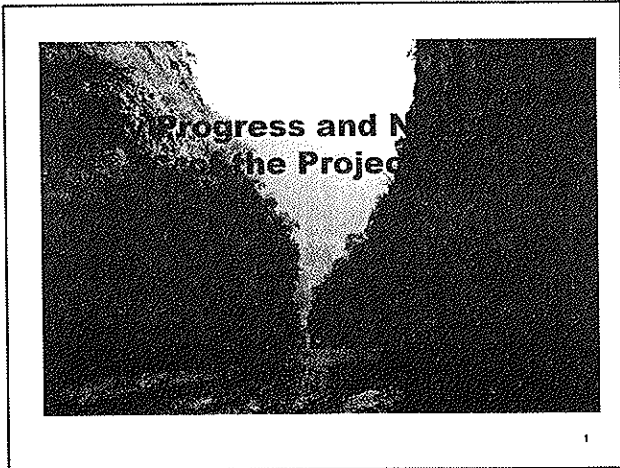
### Program Schedule

No.	Time	Hrs	Program	Presenters
	10:30-11:00	0:30	Registration	
1	11:00-11:10	0:10	Opening Address	NEA
2	11:10-11:20	0:10	Background of the Project	NEA
3	11:20-11:30	0:10	Study progress and necessity of the Project	JICA Study Team
4	11:30-12:00	0:30	Optimization of development plan	JICA Study Team
5	12:00-12:20	0:20	Physical and biological environment impact	JICA Study Team
6	12:20-12:40	0:20	Socio-Economic and cultural environment impact	JICA Study Team
7	12:40-13:00	0:20	Comments from line agencies	
8	13:00-13:50	0:50	Comments from VDCs/municipality and other representatives	
9	13:50-14:00	0:10	Snack and Tea Break	
10	14:00-15:00	1:00	Discussion	
11	15:00-15:05	0:05	Vote of thanks	NEA
12	15:05-15:15	0:10	Closing Address	LDO

### Contact Address

- ✧ Nepal Electricity Authority Environmental and Social Studies Department Engineering Services Advait Marg, Kathmandu Tel :4226730 Fax:4225248
- ✧ JICA Study Team c/o. JICA Nepal Office  
P.O. Box 450, Kathmandu, Nepal Karmachari Sanchaya Kosh Bldg, Hariharbhavan, Lalitpur  
Tel: 5552711 Fax:5552284

## Presentation Material in Damauli

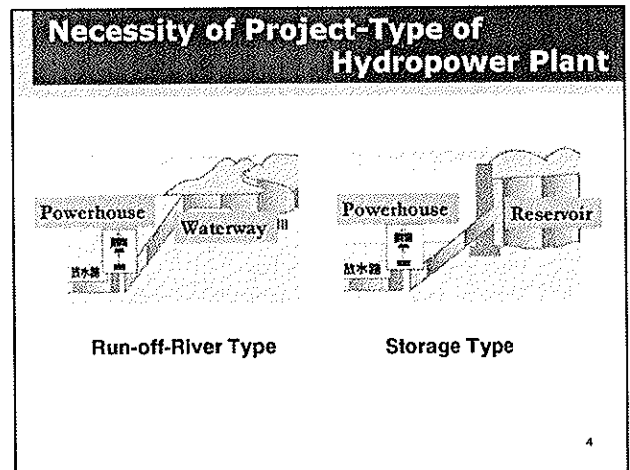


### Presentation

**Results of Study on**

- Study progress and necessity of the Project
- Optimization of development plan
- Physical and biological environment impact
- Socio-economic and cultural environment impact

3



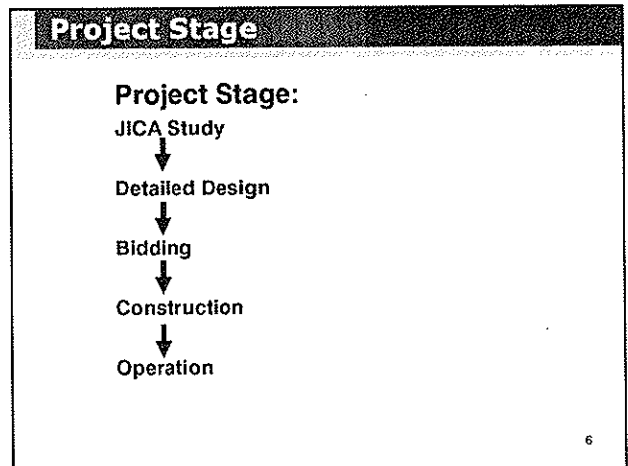
### Necessity of Project

**Results of Power Sector Survey:**  
Storage project is necessary for stable power supply in the country

- Supply power during peak time (around 5:00 p.m. to 10:00 or 11:00 p.m.)
- Especially supply power during dry season, because of decrease river water

**Conclusion:**  
Upper Seti storage project is necessary

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# Optimization of Development Plan for Upper Seti Hydropower Project

December, 2006

JICA Study Team

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## Contents

1. Layout Options
2. Keys of Project Planning
3. Comparative Study Method
4. Optimized Development Plan
5. Basic Design of Proposed Development Plan

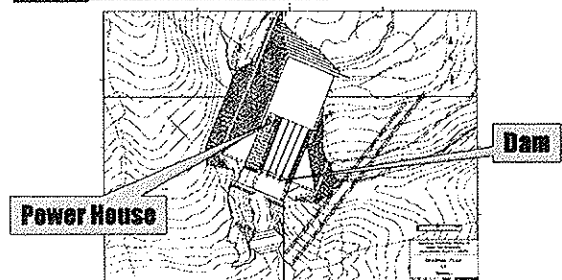
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## 1. Layout Options

Layout alternatives are shown here.

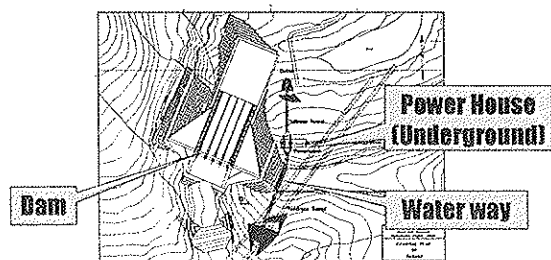
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## Option I



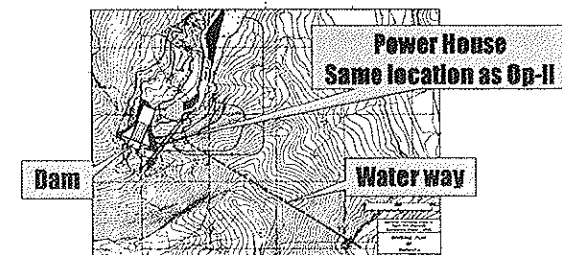
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## Option II



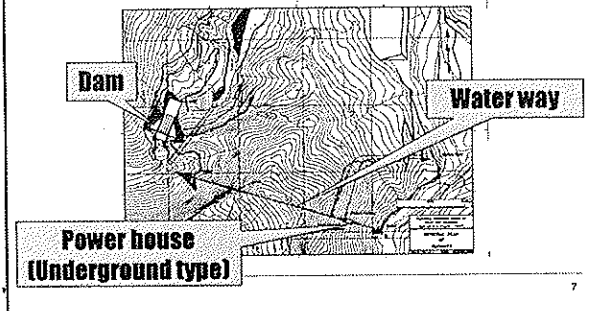
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## Option IIIa



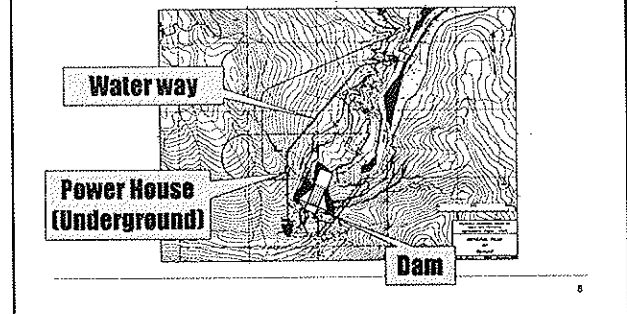
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## Option IIIb



7

## Option IV



8

## 2. Keys of Project Planning

Technical outcomes through Studies

9

### Main technical aspects for Upper Seti project

- Treatment of Sedimentation
- Geological conditions of project layouts
- Role of Upper Seti project as power source
- Environmental Issue

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### Large amount of Sedimentation

FSL should be obliged to be higher by large dead capacity of reservoir.

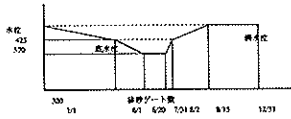
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### Keys of Treatment of sedimentation

1. Flushing is essential to maintain role of reservoir against high sedimentation
2. Sand drain valve will be installed at dam to maintain long life of reservoir
3. Sedimentation volume not flown out of reservoir will be required for reservoir dead storage based upon design standard in Japan

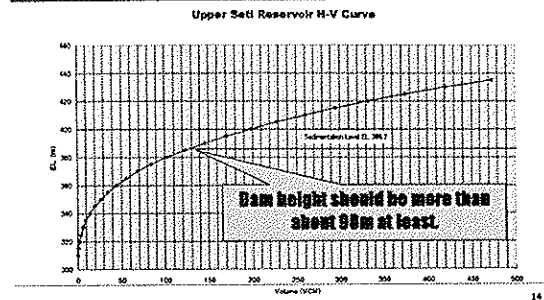
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## Sedimentation Volume for 100 years



13

## Sedimentation Level by H-V Curve



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## Geological conditions of project area

Summary of Geological investigation

15

## Outcomes by geological investigation

- Geological conditions at dam basis will be suitable to construct dam with about 140m height.
- Excavation work for underground type power house should be difficult at this vicinity area. (Option-II, IIIa)
- Geological conditions of waterway route and power house of Option IIIb seems to be sound, according to site reconnaissance

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## Role of Upper Seti project as power source

"kW" capacity should be maintained, especially for dry season.

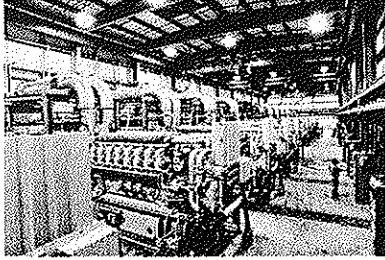
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## Keys for Role of Upper Seti project

- 6 hours peak power should be supplied, according to Power demand forecast.
- Peak power supply for dry season, especially
- Diesel power plant was applied to Alternative thermal plant whose annual idle time is so long, and fuel cost should be raising.
- High effective head should be essential for project layout such as Op III a and b to supply high capacity, even in dry season.

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## Diesel power Plant example



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## Environmental Issue

Only essential matters for project optimization study

20

## Keys for Environmental Issues

- Cost for compensation and resettlement is estimated for each FSL
- Slope protection work against erosion by water drawdown of reservoir operation in some reservoir area is taken into consideration for environmental cost.

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## Layout comparison from Technical Aspect

	Option I	Option II	Option IIIa	Option IIIb	Option IV
Geological Conditions	Mid	Fair	Fair	Good	Good
Role of Power source	Mid	Mid	Good	Good	Mid
Environmental issue	Mid	Mid	Mid	Mid	Mid

22

## 4. Study Result at Present

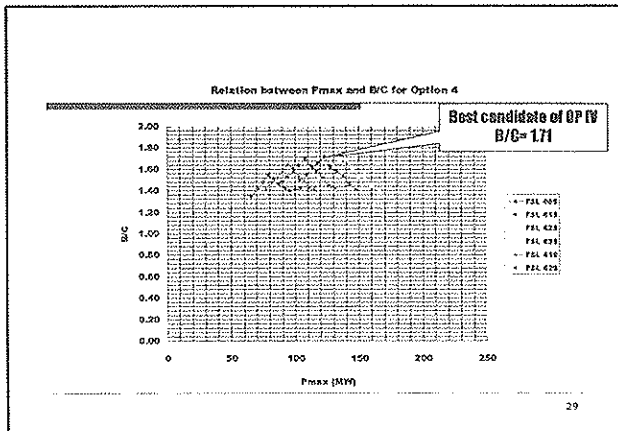
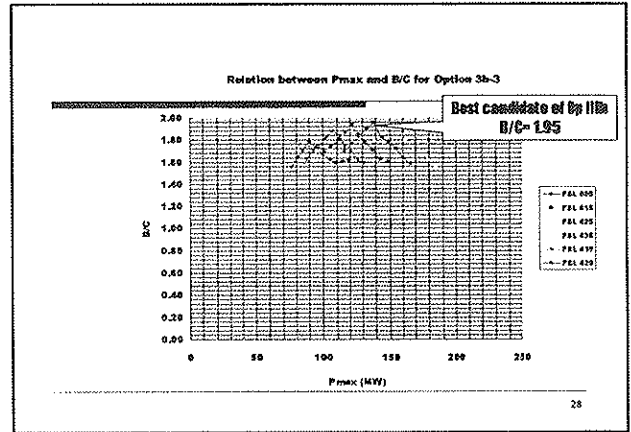
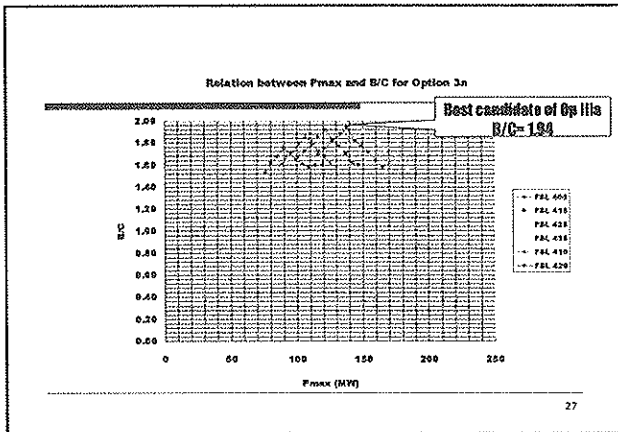
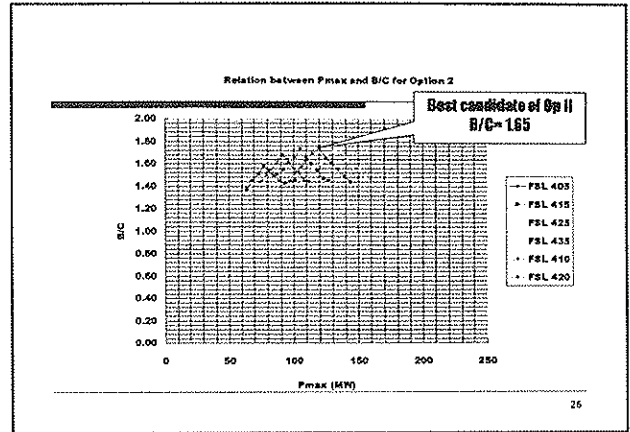
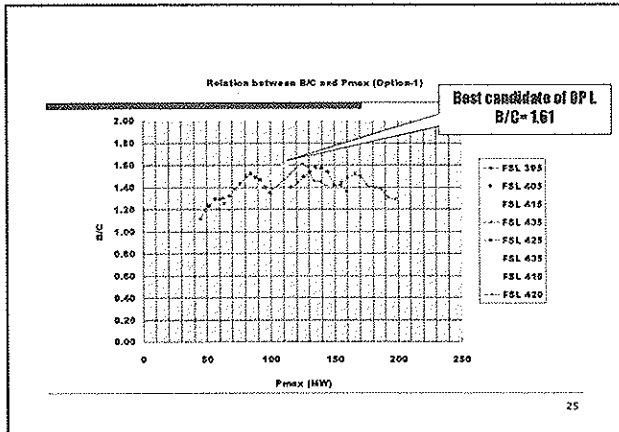
Which layout and development scale should be the most effective for investment at present?

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## Keys of Comparison study of Project Layout

- Ratio of Benefit and Cost is the Index for comparative study.
- Benefit is determined by value of firm capacity and primary energy, and unit value of diesel power plant for kW and kWh.
- Based on reservoir volume and river discharge, there are 10 candidates for maximum discharge for power supply.
- Based on maximum discharge, project layout and FSL, there are 306 project candidates.

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## Conclusion

Option IIIb at FSL 420m (B/C=1.95) should be the most optimum project.

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## Present Proposed Development Plan

Reservoir HWL	420	m
Reservoir LWL	400.4	m
Effective volume	131.4	MCM
Peak operation time	6	hours
Maximum discharge	121.3	m <sup>3</sup> /s
Intake Water level	414.0	m
Tailrace Water Level	289.1	m
Effective head	121.9	m
Installed Capacity	132	MW
Annual generated Energy	635.55	GWh

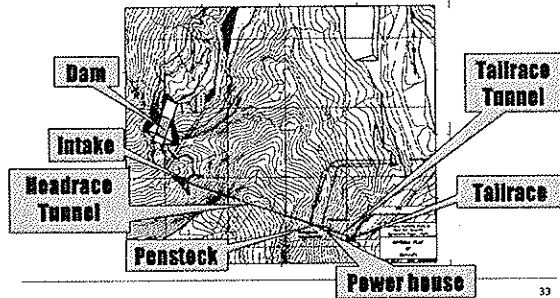
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## 5. Basic Design of Proposed Development Plan

Project layout  
Waterway profile  
Land utilization plan

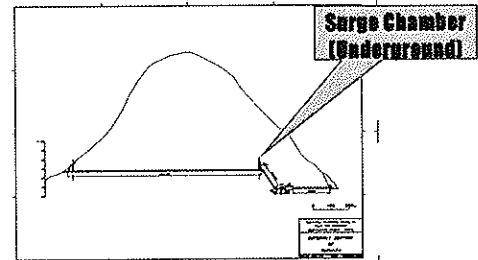
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## Option IIIb Project Layout



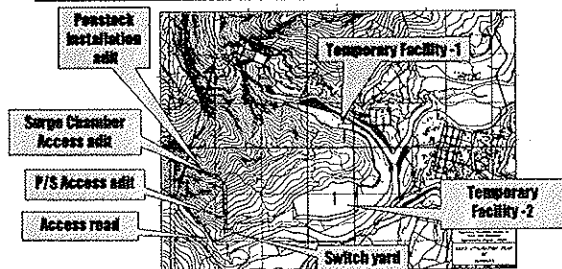
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## Option IIIb Waterway profile



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## Option IIIb Land-utilization plan



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## Epilogue

Project design at Feasibility Study Level will come soon.  
To be continued

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# Upper Seti Storage Hydro-electric Project NATURAL ENVIRONMENT

Damauli – December 1, 2006

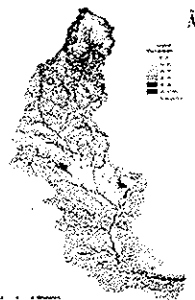
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## NESS Environment Surveys Natural Environment

- Watershed Planning & Reservoir Area
- Water Quality & Eutrophication
- Biological Environment
  - Forestry & Vegetation
  - Wildlife Aspects
  - Fisheries & Aquatic Ecology
- Mitigation Measures and Costs
- Monitoring Programs and Costs
- Environmental Management Plan

2

## WATERSHED PLANNING



Slope	% age Instability	%age of WS Class
1 0-15°	30	30
2 15-25°	36	43
3 25-35°	17	23
4 35-45°	14	4
5 >45°	2	0
<b>Total</b>	<b>100</b>	<b>100</b>

Slope Gradient Map of Seti Catchment

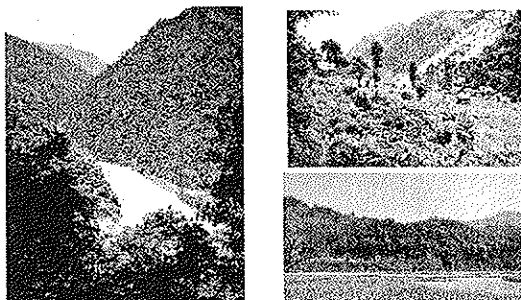
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## Land Use of Project Areas

SN	Land use Types	Land Use Category -ha						Total
		FSL 420 m	Access roads	Backlog yard	Spoil dump	Base camp	Switch yard	
1	Cultivation	89.125	9.10	3.78	15.59	0.74	0.19	88.125
2	Built up	1.695	0.53	0.83	0	0	0	1.695
	<b>Total cultivation/built up</b>	<b>90.82</b>	<b>9.63</b>	<b>4.61</b>	<b>15.59</b>	<b>0.74</b>	<b>0.19</b>	<b>121</b>
3.1	Grazing Land	53.575	6.48	3.12	0	0	0.05	53.575
3.2	Shrub	23.09	0.67	0.09	0.02	0	0	23.08
	<b>Total grazing/shrub</b>	<b>118.835</b>	<b>7.18</b>	<b>3.21</b>	<b>0.02</b>	<b>0</b>	<b>0.05</b>	<b>127.075</b>
3.3	Hill Sal Forest	35.55	22.04	0	0	0	0	35.55
3.4	Khair/Sissoo Forest	56.795	0	0	5.1	0	0	56.795
3.5	Mixed Open Forest	283.24	15.11	0	4.15	0	0	283.34
	<b>Total Forest</b>	<b>381.885</b>	<b>37.15</b>	<b>0</b>	<b>9.25</b>	<b>0</b>	<b>0</b>	<b>428.085</b>
4	Barren Land	0.855	0	0	0	0	0	0.855
5	Escarpment	7.04	0	0	0	0	0	7.04
6	River	94.945	2.99	0	0	0	0	94.945
7	Sand	120.14	1.83	0.01	0	0	0	120.14
	<b>Total Other Lands</b>	<b>222.96</b>	<b>4.82</b>	<b>0.01</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>227.91</b>
	<b>Grand Total</b>	<b>811.52</b>	<b>58.88</b>	<b>7.85</b>	<b>24.86</b>	<b>0.74</b>	<b>0.24</b>	<b>904.07</b>

4

## Physical Environment Reservoir Area



Land Uses – Forestry & Agricultural – Both Types

5

## Physical Environment Mitigation Measures

- Reduce "footprint of project" on Forestry by relocation of facilities & select reservoir level
- Solve "erosion prone areas" around reservoir – Bhimad Bazaar & Wanten Khola areas
- Air Quality – Suppression of dust & masks
- Water Quality – Controls on runoff from works areas & sanitation and solid waste management
- Protect land instabilities on roads
- Spoil disposal controls with bunds & ditches
- Funds for vibration & water supply systems

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## Biological Environment FORESTRY & VEGETATION

	FSL 420 m	Project Facility Sites
Hill Sai Forest	36.55	22.04
Khair/Sisso Forest	56.795	5.1
Mixed Open Forest	288.34	19.26
Total	381.685	46.4

- One of Biggest Impacts of Project on Biological Resources
- Accounts for approximately 47% OR 381.6 ha in the reservoir area out of Total Area of 904 ha
- 27 Sampling Plots (Mapped) and 209 Wild Species Recorded
- A few species under the conservation category including Screw Pine and 4 Orchids
- Approach as Used by Department of Forestry in Evaluating Impacts



## Biological Environment FORESTRY & VEGETATION

- Estimated Volume of Wood in Reservoir Area & Project Facility Sites

	Reservoir at FSL 420 m	Project Facility Site
Government Forest	39926 m <sup>3</sup>	10231 m <sup>3</sup>
Community Forest (11 community forests)	14672 m <sup>3</sup>	919 m <sup>3</sup>
Private Forest	667 m <sup>3</sup>	81 m <sup>3</sup>
Total	55265 m <sup>3</sup>	11231 m <sup>3</sup>

- 98% of Total Species made up of
- 30% Sai (*Shorea robusta*), 23% Saj (*Terminalia alta*) & 45% of 5 Other Species are the Main Species Affected

## Biological Environment Wildlife Aspects

- Field Observations & Group Discussions
- 27 Mammals Recorded
- 17 Reptiles & Amphibians Recorded
- 62 Birds Recorded
- 46 Butterflies & Moths Recorded
- Wildlife Habitat Losses with Project
- Will generate concern among "conservation NGOs"
- NEEDS FURTHER CONSIDERATION

9

## Biological Environment Fisheries & Aquatic Life

- 36 Species Recorded – 2 Times X 6 Stations
- A few species under the conservation category



## Biological Environment Fisheries & Aquatic Life

### MAIN IMPACTS ON FISH & AQUATIC LIFE

- Construction Controls on River Diversion & Spoil Disposal
- Barrier Impacts of Dam Low Down in Catchment
  - By Far the Most Serious Biological Impact of USSHEP
- Downstream Impact of Dewatering to Seti & Madi Rivers
- Daily Regime Changes Downstream to Trisuli River
- Long Distance Migrants like Mahseer Affected
- Several Breeding & Maturation Habitats Affected
- Fish Protection Works Required at All Intakes and Outlets
- Reservoir of Limited Value to Fish – Sediment Flushing

11

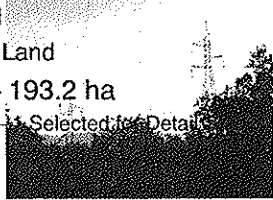
## Biological Environment Mitigation for Fisheries & Aquatic Life

- FISH HATCHERY RECOMMENDED AS BEST MITIGATION OPTION
- STOCKING OF FINGERLINGS In RESERVOIR AREA & UPSTREAM ZONE
- 7 Species being Produced at Kali Gandaki A Project
- Options of Local Pond Culture to be Considered
- Possible Trial Stocking of Algal Feeding Fish in Reservoir from Begnas Hatchery BUT Issue of Introduction of Exotics Not Yet Discussed
- Cash Compensation is NOT PREFERRED for Fisheries Program Mitigation Planning
- Feasible Species & Location & Costs Needs Inputs by NEA, Consultants & JICA Expertise

12


## IEE TRANSMISSION LINE

- Covers 5 VDCs Tanahu District & 1 VDC & 1 Municipality of Chitwan District
- 220 kV Double Circuit Line with 60m ROW
- Length – 38.42 km & Tower Span – 300 m
- Land for Towers – Total 5.2 ha of which
  - 1.8 ha of Forest Land
  - 3.4 ha of Agricultural Land
- Land Use on ROW – 193.2 ha
- 3 Alternatives Investigated – Selected for Detail



## IEE TRANSMISSION LINE

- Alternative 1 Assessed & Is Preferred as:
  - Losses of Forests are minimized as 11 km of ROW follows existing 132 kV ROW through Narayani National Protected Forest at Bharatpur Substation End
  - It minimizes number of houses (18) & structures (14) affected – A Total of 32 along ROW
  - 21.6 km of Forested Land Affectd also Wildlife Habitat
  - Erosion & Land Stability of Concern at a Few Towers
- Good location survey & IEE strong basis for NEA- ESDD full EIA to be commissioned



## Socio-Economic and Cultural Impacts

Findings of Supplemental EIA Survey/  
JICA Study

December 1 2006  
Damauli, Tanahu District

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## Objectives

- Review the general socio-economic and cultural situation of Tanahu district, affected VDCs and communities,
- Study the socio-economic and cultural impact due to the project activities,
- Prepare a framework of environmental management plan, and
- Develop a framework of Resettlement Plan and Social Action Plan

2

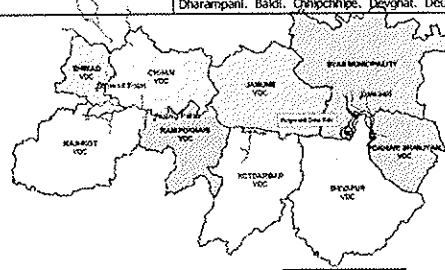
## Methodologies

- **Literature Search**
- **Field Survey** including structure inventory survey by using GIS Map, Cadastral Map, and Filed Book
- **Household Survey** targeting 399 households who live below FSL 425m
- **Focus Group Discussion** targeting 190 people in 13 affected communities

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### 1. Affected Areas

❶ Reservoir areas	Bhimad, Chhang, Majkot, Kotdurbar, Jamune, Kahun Shivapur VDCs, Vyas Municipality
Dam, powerhouse, tailrace, & switchyards	Kahun Shivapur, Vyas Municipality
❷ Project facility structures	Kahun Shivapur, Vyas Municipality
❸ Downstream areas	Kahun Shivapur, Pokhari Bhanlyang, Keshavar, Dharampani, Baidi, Chhipchhippe, Deughat, Deural/VDCs



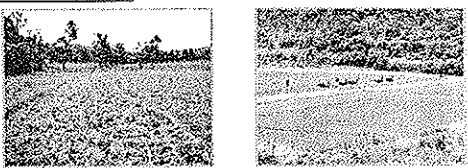
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### ■ Affected total land area FSL 420m+10m

Reservoir area	Project facility sites	Total land area
1018.855 ha	92.55 ha	1111.405 ha

### ■ Affected cultivated area FSL 420m + 10m

Reservoir area
166 ha



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### ■ Affected production loss FSL 420m+10m (metric ton)

Irrigated land	Paddy	369.41
	Wheat	44.565
	Maize	77.4
Upland	Early paddy	94.525
	Maize	195.455
	Millet	37.525
Pulses		35.18
Total		854.06

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■ **Affected infrastructure** FSL 420m+10m (number)


Motorable road gravel	Suspension bridges	Foot trail	Causeway
7 stretches	7	22	1
Irrigation canal	Electricity distribution	Bridge	
2	4	1	



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■ **Affected structures** FSL 420m+10m (number)

Private structures(houses, cowshed, toilet, hut etc)		
449		
Community structures		
Resting places	Temple	Ghat
6	1	1



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■ **Affected private land owners** FSL420m+10m  
1057 households

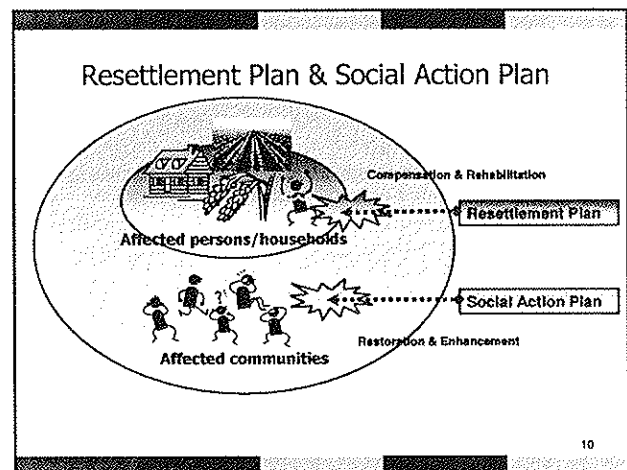
■ **Affected structure owners** FSL 420m+10m  
155 households

■ **Affected residential structure owners who need to be relocated** FSL 420m+10m

Chhang, Rising Ranipokhari, Jamuna, Kahun Shivapur VDCs, Vyas Municipality	122 households
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■ **Affected residential structure owners without legal holdings** FSL 420m+10m  
32 households

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**Proposed Framework of Resettlement Plan**

- It is based on the existing legal provisions, the JICA Guideline, and the lessons learned from the similar hydroelectric development projects.
- Land acquisition and involuntary resettlement shall be avoided where feasible or minimized through the incorporation of social consideration into project design options.
- Where population displacement is unavoidable, individuals, households and community losing their assets, livelihood and other resources shall be informed and consulted.

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**Proposed Framework of Resettlement Plan**

- Affected persons (APs) shall be compensated at replacement rates for all losses and damaged assets.
- APs shall be fully compensated and resettled before their houses and demolished and their land and facilities are required.
- A resettlement plan shall be prepared, consulted with APs and implemented in advance of the implementation of the project.

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## Proposed Social Action Plan

- It is designed to mitigate adverse impacts on the communities particularly in affected 7 VDCs and Vyas municipality.
- Social programs will be formulated through consultation with local stakeholders including affected community people **at the next stakeholder meeting which is to be scheduled in April –May 2007.**
- Proposed social programs may include restoration of affected infrastructure, skill enhancement, agricultural development, women development, rural electrification, community's initiative support and so on.