

**HAPUGASTENNE AND HULU GANGA SMALL HYDROPOWER PROJECTS (REF. NO. 0085)
MONITORING REPORT FOR PERIOD 01/01/2006 TO 31/12/2006**

Prepared by: Eco Power (Private) Limited
21 Gower Street, Colombo 5, Sri Lanka


Dr. Romesh Dias Bandarnaike
Chief Executive Officer
Apr. 12, 2007

HAPUGASTENNE PHASE I AND II PLANTS

Note

1. The Hapugastenne Phase I and II plants have the same civil works.
2. The Phase I plant consist of 2 sets of identical turbines/generators and related equipment
3. The Phase II plant (which was commissioned one year later) consists of 1 set of the same turbines/generators as the Phase I plant plus related equipment.
4. The CEB measures the output of the two plants separately using two separate meters
5. In practice the 2 plants are operated as a single entity.

ELECTRICITY OUTPUT

Hapugastenne Phase I

Month	Electricity Output (kWh)	Source (Invoice Nos raised for CEB)
2006		
January	675,340	4001
February	441,590	4002
March	1,374,900	4003
April	591,490	4004
May	1,817,500	4005
June	1,433,580	4006
July	1,003,070	4007
August	2,139,460	4008
September	2,053,660	4009
October	2,279,190	4010
November	3,404,440	4011
December	1,154,060	4012
Total for 2006	18,368,280	

Hapugastenne Phase II

Month	Electricity Output (kWh)	Source (Invoice Nos raised for CEB)
2006		
January	1,447,340	5001
February	1,510,240	5002
March	1,435,160	5003
April	1,215,880	5004
May	1,679,530	5005
June	1,389,160	5006
July	1,266,360	5007
August	1,481,080	5008
September	1,827,480	5009
October	1,459,180	5010
November	1,537,650	5011
December	1,587,110	5012
Total for 2006	17,836,170	

EMPLOYMENT (Common for Phase I and II)

Employee category	No. of Employees
Power Station Assistants	11
Power Station Operators	3
Power Station Supervisors	5

COMMUNITY DEVELOPMENT EXPENDITURE (Common for Phase I and II)

Date	Invoice Number	Nature of Expenditure	Amount (Rs)
4/1/2006	993/873362	Drain System at Ratgama - First Payment	43,777.00
1/3/2006	1190/873516	Drain System at Ratgama - Second Payment	55,685.00
29/6/2006	299/958321	Final payment of build a community hall at Hal-Ella	50,000.00

HULU GANGA PHASE I AND II PLANTS

Note

1. The Hulu Ganga Phase I and II plants are situated next to each other and are considered a single plant complex by the CEB. As a result the CEB only has a single meter to measure the combined energy generation by the two plants each month.
2. The Phase II plant was commissioned on October 27, 2006. Therefore, the Phase I plant was in fact responsible for the entire combined output shown in the table below up to end September 2006.

	Electricity Output	CEB)
2006		
January	1,046,800	6001
February	690,200	6002
March	467,000	6003
April	881,800	6004
May	681,500	6005
June	537,700	6006
July	753,400	6007
August	520,500	6008
September	794,700	6009
October	1,435,800	6010
November	3,737,300	6011
December	3,639,300	6012
Total for 2006	15,186,000	

EMPLOYMENT

Employee category	No. of Employees	
	Phase I	Phase II
Power Station Assistants	3	3
Power Station Operators	3	3

COMMUNITY DEVELOPMENT EXPENDITURE

Date	Invoice Number	Details of projects	Expenditure (Rs.)	Project
4/1/2006	994/873362	50%Advance given to build a Buddhist Temple at Kosgama	100,000.00	Phase I
14/6/2006	250/958289	Balance Payment to Built a Buddhist Temple at Kosgama	100,000.00	Phase I
2/10/2006	637/557139	Donation given to implement a drinking water project at Panvilla	200,000.00	Phase II

EMISSIONS REDUCTION - ALL PROJECTS

Hapugestenne I		Hapugestenne II		Hulu Ganga I and II	
Electricity Output (kWh)	Emissions Reductions (kgCO ₂)	Electricity Output (kWh)	Emissions Reductions (kgCO ₂)	Electricity Output (kWh)	Emissions Reductions (kgCO ₂)
18,368,280	15,605,691	17,836,170	15,153,610	15,186,000	12,902,026

Note: Emissions factor as per PDD is 0.8496 kgCO₂ per kWh