

Micro-hydro power development	<div style="text-align: right;">  </div> <p style="text-align: center;">German Development Service</p> <p>Project: Renewable energies to promote rural development</p>
06.04.2004	hydro-power schemes Manica Province: basic specifications

Scheme	Mavonde	Mussambeze		Sembezeia
System type	Run off river	Run off river		Run off river
Available Head (m)	13	6		5
Total flow (m ³ /s)	0.28	4.00		0.62
Reliable flow (m ³ /s)	0.20	1.50		0.40
Gross power output (kVA)	25.5	88.2		19.6
Minimum overall efficiency (%)	65	65		65
Net power (kVA)	16.6	57.3		12.7
		Honde	Phanze	
Length transmission line (km)	3.6	6.5	4.5	2.5
Peak power demand village (kVA)	18	30	26	14
Voltage in power line (kV)	MV: 11 kV monophase	MV: 11 kV tri- phase and LV from two sides	MV: 11 kV mono- phase	LV