

Introduction of innovative technologies

Effective Measures	Corresponding Good Practices		Reference
	Code	Page	
Elimination of desander facility by applying Coanda screen, elimination of anchor blocks by applying underground penstock, reduction of cost and period for construction by applying HDPE on the up-stream side of penstock	CA01	P6	Overview-1、-4
Construction cost reduction applying by inflatable rubber weir and vortex desander facilities on water intake, elimination of anchor blocks by applying underground penstock, reduction of cost and period for construction by applying HDPE on the up-stream side of penstock	CA02	P13	Overview-2、-4
Reduction of construction cost by applying HDPE on the up-stream side of penstock	CL01	P28-29	Overview-5
Minimizing powerhouse footprint by developing a new model turbine generator, applying advanced technology of wind power generation, to install the equipment completely in underground	DE01	P35	Overview-9
Certification of the government's new technology development subsidy by applying large variable-speed undershoot hydro turbine system with a new type of water screening system	JP01	P41-42	Overview-3
Construction cost reduction by applying Hume pipes and FRPM pipes to underground penstock	JP02	P50-51	Overview-6
Reduction of construction cost and period utilizing package type micro Kaplan turbine generator unit with its control system, and also applying FRPM to penstock	JP03	P59	Overview-7
Improvement of reliability and increase of power generation by adopting standardized/integrated micro hydropower generating unit, Reduction of construction period replacing existing flood control facilities by adopting SR synthetic relief weir	JP07	P102	Overview-8、-2
Reduction of construction cost by adopting PVC pipe for penstock. Note that the power plant was built under an international cooperation program by a non-profit organization and the power plant owner had no burden of repaying the initial investment.	PH01	P130-132	



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