

5-2. The Result of the Coal Utilization Technological Transfer in the Demonstration Project.

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Japan is the biggest coal importing country of the world and also is one of the advanced countries concerning the development introduction of clean coal technology (CCT). Therefore, our country is being requested to contribute to the stabilization of the coal supply and demand of the world and the environmental problem in the world scale.

Especially, it is an urgent problem such as China and ASEAN nations to which the expansion of great coal demand will be forecast in the future to promote reasonable use and environment-friendly use for coal.

Under such background, CCUJ is being entrusted and executing the projects on the coal utilization field of international cooperation projects that are executed, based on Green Aid Plan (GAP) that the Japanese government promotes.

These projects, to promote the spread of CCT in the country, were begun in the GAP main target countries from 1993, based on the circumstances of coal utilization of the country. The design, production, construction, test operation and demonstration operation are executed as a joint project with the country for 3-4 years.

Further, the maintenance and management such as facilities and equipment; technical guidance and advices for the operation etc., etc. are executed as a Follow-up project after the demonstration project end for 1 or 2 years.

The countries and the technological fields that executed the demonstration project have been shown in table-1.

Table-1 Progress of Demonstration Project

Object technological field		Country	Execution site		Fiscal Year								Remark			
					'93	'94	'95	'96	'97	'98	'99	'00		'01	'02	
Desulfurization	Simplified Fuel Gas Desulfurization	China	Shandong Prov.	Weifang	←	→										
		China	Guangxi Prov.	Nanning	←	→										
	Standardize Simplified Fuel Gas Desulfurization	China	Hunan Prov.	Zhuzhou						←	→					
	COG Desulfurization	China	Henan Prov.	Anyang						←	→					
Circulating Fluidized Bed Boiler	Circulating Fluidized Bed Boiler	China	Zhejiang Prov.	Jiangshan					←	→						
		China	Beijing City	Fangshan	←	→										
		China	Shandong Prov.	Zibo	←	→										
		Philippine	Batangas St.		←	→										
		China	Shandong Prov.	Zaozhuang	←	→										
		Indonesia	Java Island	Banyuwangi	←	→										
		China	Liaoning Prov.	Jinzhou	←	→										
		Thailand	Sarabri Prov.	Indorama	←	→										
Clean combustion	Briquette Production	China	Shandong Prov.	Linyi	←	→									Bio-briquette	
		Indonesia	Sumatra Island	Tanjung Enim	←	→									Smokeless-briquette	
		Indonesia	Java Island	Cirebon						←	→					Bio-briquette
		Thailand	Lampang Dist.	Mae Moh						←	→					
		Philippine	Cebu Island							←	→					Smokeless-briquette
	China	Beijing City	Yanshan	←	→											
Complex technological system		China	Jilin Prov.	Liaoyuan										←	→	CFB boiler + ash processing