
The KII CHANNEL HVDC System

Interconnection between	Anan	Kihoku
AC System Frequency		
AC System Voltage	500 kV	500 kV
Power Co.		
Manufacturer		
Commissioned	June 2000	
Main Purpose	*Asynchronous link to avoid loop power flow between Hokuriku, Kansai and Chubu Electric Power Systems	
Main data	Rated DC Power : 300 MW DC Voltage : 125 kV DC Current : 240 A	
A.C. Networks		
HVDC System		
Submarine Cable		
Electrodes		

A.C. Filters																																																												
	Connected to 77 kV Filter Busbar :					Connected to 66 kV Filter Busbar :																																																						
	<table><tr><td>Harm</td><td>MVAr</td><td>C=μF</td><td>L=mH</td><td>R=Ω</td></tr><tr><td>5</td><td>60</td><td></td><td></td><td></td></tr><tr><td>11</td><td>60</td><td></td><td></td><td></td></tr><tr><td>13</td><td>60</td><td></td><td></td><td></td></tr><tr><td>HP</td><td>60</td><td></td><td></td><td></td></tr></table>					Harm	MVAr	C=μF	L=mH	R=Ω	5	60				11	60				13	60				HP	60				<table><tr><td>Harm</td><td>MVAr</td><td>C=μF</td><td>L=mH</td><td>R=Ω</td></tr><tr><td>5</td><td>60</td><td></td><td></td><td></td></tr><tr><td>11</td><td>60</td><td></td><td></td><td></td></tr><tr><td>13</td><td>60</td><td></td><td></td><td></td></tr><tr><td>HP</td><td>60</td><td></td><td></td><td></td></tr></table>					Harm	MVAr	C=μF	L=mH	R=Ω	5	60				11	60				13	60				HP	60			
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1 x 77 kV 60 MVAr Shunt Reactor					1 x 66 kV 60 MVAr Shunt Reactor																																																							
DC Filters																																																												
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Valve Cooling																																																												
D.C. Reactor																																																												
References																																																												
System correspondent																																																												

