

KEK ENGINEERINGT NOTE
project ILC
subject Modified cost estimation about PCMag which is transported to and operated in DESY

24.03.2006
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Equipment	Specification	Product, Product code	No.	Price / 1 set	Price	Price (€)	
LHe transfer line	Outer Tube 12mm, Inner Tube 6mm Heat Leak < 1W/m	Torishya	1	3.800.000	3.800.000	26.934	If users do not mind discharging the magnet and refilling Lhe every 9 days, this special transfer line is not necessary. This operation takes less than 3 hours. And in this case DESY outfits the transfer line which need not to be transported to KEK .
	Cold Valve						
	Normal Valve						
Power Source	Excitation, 8V, 500A	Agilent 6681	1	800.000	800.000	5.670	This exist in KEK for the operaiton in DESY. AC input have to be changed from 200 V to 220 V possibley.
	PCS, AUX heater, 50V, 0.5A	Agilent N6736B	2	70.000	140.000	992	This exist in KEK for the operation in DESY.
	PtCo, CGR thermo-sensor power source 1mA 10V	Agilent N6761A	2	260.000	520.000	3.686	This exist in KEK for the operation in DESY.
	Main frame for PCS, AUX, PtCo, CGR power source	Agilent N6700B	1	270.000	270.000	1.914	This exist in KEK for the operation in DESY.
	Breaker and bus cabling inside the power source rack.		1	250.000	250.000	1.772	This is to be outfitted by KEK..
	Cables b/w magnet and the power source rack.		1	0	0	0	This is to be outfitted by DESY and need not to transported to KEK.
Mass Flow Meter	100 litter/min	Yamatake CMQ0050B/C	2	150.000	300.000	2.126	This exist in KEK for the operation in DESY.
Pressure Transmitter	0 - 500kPa A	Yamatake PTG6G-G4	1	300.000	300.000	2.126	This exist in KEK for the operation in DESY.
LHe Level Meter	AMI level transducer	AMI 133D	1	400.000	400.000	2.835	This exist in KEK for the operation in DESY.
Data Logger	Multiplexer	Agilent 34970A	1	700.000	700.000	4.962	This exist in KEK for the operation in DESY.
	Personal computer	DELL	1	100.000	100.000	709	This is to be outfitted by KEK..
	Signal wires, wiring terminals, etc.		1	100.000	100.000	709	This is to be outfitted by KEK..
Vacuum pump unit	200 litter/min, with Gate Valve		1	0	0		This is to be outfitted by DESY and need not to transported to KEK.
Field Sensor	0 - 2 tesla		1	0	0		This is to be outfitted by DESY and need not to transported to KEK.
Transportation	from KEK to DESY, from DESY to KEK		2	0	0		This is to be outfitted by DESY and need not to transported to KEK.

54.436 €

	These are necessary for the development in KEK.
	These exist in KEK and can be transported to DESY with the magnet.
	Thes are to be outfitted by DESY internally.

