SPARC project

STATUS of the RF SYSTEM

R. BONI on behalf of the SPARC team



Status of the Orders & Tenders







6) Variable Attenuators and Phase Shifters

Tender to be completed

expected delivery → Dec. 2004



we need

- 4 variable Attenuators
- & 2 variable Phase Shifters

8) Solid state 250 Wpeak power amp. (klystron RF drivers)





Line Type Pulser Main Units

Puls-Plasmatechnik GmbH Dortmund 19.8.2003 G.B.





9) Accelerating Sections

The Supplier will be the Japanese company **MITSUBISHI HEAVY INDUSTRIES**. Mitsubishi is the supplier of High RF Field Structures to numerous Accelerator Far East Laboratories (KEK, Taiwan, Pohang). Delivery of 2 units is foreseen by **January 2005**.







S-band accelerating structures at the POHANG ACC. LAB. (2 GeV LINAC) manufactured by MITSUBISHI



³rd SPARC Review, Frascati Jan. 13, 2004



Specifications

size WR284 (74 x 36 mm) material OFHC copper operation in vacuum10 nTorr









3rd SPARC Review, Frascati Jan. 13, 2004



WAVEGUIDES SYSTEM PROCUREMENT

1) Define precisely, with the CAD drw, length and n° of Straights and number of Bends.

... within January 2004

- Ask INFN to authorize the bid (gara a trattativa privata)
 authorization Febr. 2004.
 nomination of the Commisson March 2004
 About 7 months
- 4) Delivery of 1th group of waveguides April 2005 delivery of 2nd group of waveguides June 2005



