Design of Beam Position Monitor System for KEKB, N. AKASAKA, M. ARINAGA, S. HIRAMATSU, T. IEIRI. H. ISHII, K. MORI, T. OBINA, T. SHINTAKE, and M. TEJIMA, KEK - KEKB Beam Position Monitor (BPM) system will have about 900 BPMs which is installed near every quadrupole magnet in the ring. The BPM data will not only be used for correcting closed orbit distortion and optimizing the operation of the ring, it will be also used for analysing the alignment and strength errors of magnetic components. These require the BPM system to have good stability and high precision. Therefore, we adopt slow method measuring the average beam position during many turns. Since a multi-bunch (5000), high current beam (LER 2.6 A, HER 1.1 A) will be stored at KEKB, we must pay special attention to the design of the pickup electrode, transmission line, switches and front-end electronics. This paper describes design of BPM system for KEKB.