1112-12-95 Vivek Mukundan* (vmukunda@purdue.edu), 150 N. University Street, Office 1037, West Lafayette, IN 47906, and Jacob A Boswell. Rees Algebras and Almost Linearly Presented Ideals. Consider a grade 2 perfect ideal I in $R = k[x_1, \dots, x_d]$ which is generated by forms of the same degree. Assume that the presentation matrix φ is almost linear, that is, all but the last column of φ consist of entries which are linear. For such ideals, we find explicit forms of the defining ideal of the Rees algebra $\mathcal{R}(I)$. We also introduce the notion of iterated Jacobian duals and present properties such as Cohen-Macaulayness, regularity, relation type of the Rees algebra of ideals whose second analytic deviation is one. (Received August 08, 2015)