1110-05-26 **Khandoker Mohammed Mominul Haque** (momin66@gmail.com), Department of Computer Science and Engineerin, Sylhet, Sylhet 3100, Bangladesh, and **Umme Nasreen Khanam*** (ummenasreen@gmail.com), Department Computer Science, Sylhet, Sylhet, Bangladesh. *On the prime cordial labeling of Möbius Ladder M_n.* Preliminary report.

A graph with vertex set V is said to have a prime cordial labeling if there is a bijection f from V to $\{1, 2, \ldots, |V|\}$ such that if each edge uv is assigned the label 1 for the greatest common divisor $gcd(f(u), f(v)) = 1$ and 0 for $gcd(f(u), f(v)) > 1$ then the number of edges labeled with 0 and the number of edges labeled with 1 differ by at most 1. In this paper, we show that Möbius Ladder M_n is prime cordial for all n except M_4. (Received January 09, 2015)