In this paper, the exponential stability of travelling waves solutions for nonlinear cellular neural networks with distribute delays in the lattice is studied. The weighted energy method and comparison principle are employed to derive the sufficient conditions under which the networks proposed are exponentially stable. Following the study [13 X. Liu, P. Weng, and Z. Xu, *Existence of traveling wave solutions in nonlinear delayed cellular neural networks*, Nonlinear Anal. Real World Appl. 10(1) (2009), pp. 277–286.[Crossref], [Web of Science ®], [Google Scholar]] on the existence of the travelling wave solutions in nonlinear delayed cellular neural networks, this paper is focused on the exponential stability of these travelling wave solutions.