Comments on paper entitled "Impact of urban land use on mean and heavy rainfall during the Indian Summer Monsoon" Atmospheric Chemistry and Physics Journal of egusphere-2023-1445.

This is an excellent work on urban meteorology and precipitation. It gives a detailed overview of initiation, movement, and mechanism of a storm over both urban and no-urban simulations using Meso-NH model. I am having the following minor corrections before its acceptance in the journal.

- 1. How have you calculated anomaly of equivalent potential temperature and TKE (Fig. 7 and 9)? Please describe it in detail like how many days or years you have considered for calculating anomaly?
- 2. Indicate proper equations for calculating both thermal and dynamic TKE.
- 3. In line number 412, "Therefore, we have conducted an additional set of two....". Please clearly mention the word 'two'.
- 4. Provide color bar for Fig. 6.
- 5. Replace the word "four different time steps:" to "three different time steps:" in Fig 7 caption.
- 6. Provide X-axis label as latitude and longitude values in Fig. 7 and Fig. 9 respectively. It will be easier to understand the figure.
- 7. Please cite one more recent paper on observational study on urbanization and increased precipitation in the Bhubaneswar region located in Northeastern India by Swain et al. 2023.
 - Swain, M., Nadimpalli, R.R., Mohanty, U.C., Guhathakurta, P., Gupta, A., Kaginalkar, A., Chen, F. and Niyogi, D., (2023) Delay in timing and spatial reorganization of rainfall due to urbanization-analysis over India's smart city Bhubaneswar. *Computational Urban Science*, 3(1),.8.