Details of the climatic environment during experiments.

The climatic data was obtained from Meteorological unit or observatory at Department of Agricultural Meteorology & Physics, Bidhan Chandra Krishi Vishwavidyalaya, Mohanpur, Nadia District, West Bengal. The climatic parameters at observatory were recorded twice daily as per, India Meteorological Department (IMD), Pune (India) at 6.35 am and 1.35 pm for a period of two months (May 2014-June 2014). The average mean temperature (°C) during experimental days was 37.99°C; RH (%) was 71.7%; rainfall (mm) was 2.26; wind speed (Km/hr) was 2.63. During the experimental days, the average Temperature Humidity Index (THI) during May to June 2014 was 95.4 reflecting that the animals were in heat stress condition.

Average monthly temp (°C) and RH (%) at Mohanpur, Nadia district, West Bengal (Latitude: 22°56’ N and Longitude: 88°32’ E, Altitude: 9.75 meters above mean sea level) for the year 2014.
Average environmental conditions such as average temperature, RH% and THI during two months experiment (May and June 2014) at Mohanpur, West Bengal (Latitude: 22°56’ N and Longitude: 88°32’ E, Altitude: 9.75 meters above mean sea level).

All the pigs (5-6 months) were reared under Intensive farming system and were exposed to hot summer from 10.30am to 2.30 pm (4 hours). In each pen 4 LWY as well as 4 Ghungroo were kept during experimental period. A covered concrete yard for feeding and resting having feed and water trough arranged in the front side and an open yard in the rear was provided for finisher pigs. After experimental period, pigs were transported to the slaughterhouse which is located 500 meter away from the farm. All the pigs were given rest of about 3-4 hrs before slaughter. All animals were allowed to drink water *ad libitum*. 