

ASSESSMENT OF DEMAND AND CONSUMPTION OF MEAT AND EGG IN MYMENSINGH AND DHAKA CITY

Major Professor and Supervisor: Dr. S. M. Fakhru Islam

Author Name: Md. Abdur Rahim

Reg. No.: 2005-08-1629

Term: Autumn, 2007

ABSTRACT

The present study was undertaken to determine the households' demand and consumption of meat and egg, analyze households' preference ordering for meat and egg and describe quality and safety aspect of these products in the study area, hi total 600 households from Dhaka city and 300 households from Mymensingh city were selected randomly. A two-stage LES-AIDS model was used to analyze demand function. Average age of the respondents in Mymensingh city was about 42 years and in Dhaka city about 46 years. Average number of family members was 5 in Mymensingh city and 4 in Dhaka city. About 37.80% of the respondents were university graduate, 21.70% respondents had secondary schooling and 13.20% respondents were in others education category in all areas. About 32% respondents had annual income between Tk. 10000-20000 and only 1.2% respondents had an annual income between Tk. 1250-2500 in all areas. About 77% households in Mymensingh city and 98% households in Dhaka city consumed beef usually and occasionally. In Mymensingh city, 70% respondents consumed goat meat usually and occasionally whereas in Dhaka city it was 91%. There was a higher demand for chicken in all areas. Consumption of farm hen egg was comparatively higher in all areas followed by local hen egg and duck egg. Co-efficient of multiple determination (R^2) of food expenditure share was 0.77. In case of food expenditure share the co-efficients of inverse of total expenditure, log of total expenditure, district dummy and family size were found to be significant. At second stage the co-efficient of multiple determination (R^2) was 0.445. In case of all product items the results show that share of some co-efficients did not have expected sign. Expenditure elasticity of all food items were lower than 1. From the study it was found that local animal breed cattle meat attained highest points (9.11 points out of 10) about its quality in all areas. Male goat meat was considered the best meat by the respondents hi all areas and it attained 8.51 points in all areas. Chests of ribs portion of cattle meat and goat meat attained highest points (8.57 points and 8.05 points respectively) in all areas about its quality. In case of poultry meat local breed attained highest points about its quality in all areas (8.74 points). Respondents in all areas preferred male poultry meat and gave the highest point (7.65 points). Overall rating for local hen egg was highest in both areas (8.11 points). About 92% respondents in Mymensingh city and 45% respondents in Dhaka city thought local hen egg was very high quality on the basis of nutrition, taste etc. In case of poultry meat most of the respondents in all areas (73.6%) considered local chicken as very high quality poultry meat. It was observed that most of the respondents ascertained the quality on the basis of good taste. In case of processed products, they were so much confused about the purity of the processed products.