

# JCTR RURAL BASKET: MWALUMINA AREA, CHONGWE

March 2013

## (A) BASIC FOOD ITEMS FOR AVERAGE SIZE FAMILY OF SEVEN IN MWALUMINA AREA

| Monthly Food Needs – “Jan-Mar Ideal” |              | Average Actual Food Consumed – “Prevailing Situation” |              |                               |
|--------------------------------------|--------------|---|--------------|-------------------------------|
| Item                                 | Quantity     | Item  | Quantity     | Common Means of Access (K/Kg) |
| Maize Grain                          | 100Kg        | Maize Grain   | 77.5Kg       | Harvest                       |
| Cassava Tubers                       | 20 Kg        | Fresh Maize Cobs                                      | 48.8Kg       | Harvest                       |
| Eggs                                 | 300g         | Chicken   | 5.8Kg        | Reared                        |
| Chicken                              | 5 Kg         | Fresh Fish  | 1.4Kg        | Fishing                       |
| Sweet Potatoes                       | 10Kg         | Dry fish  | 0.8Kg        | K42, 000                      |
| Fresh fish                           | 5 kg         | Beans   | 2.8Kg        | K8, 000                       |
| Dry Fish                             | 1 Kg         | Eggs  | 1.5Kg        | Reared Chickens               |
| Beans                                | 5 Kg         | Munkoyo   | 31.1Kg       | Harvest                       |
| Groundnuts                           | 5 Kg         | Tomatoes  | 11.9Kg       | Harvest                       |
| Tomatoes                             | 10 Kg        | Onions  | 0.2Kg        | K4, 000                       |
| Onions                               | 2 Kg         | Rape  | 11Kg         | Harvest                       |
| Rape                                 | 4 kg         | Impwa   | 6Kg          | Harvest                       |
| Sweet Potatoes                       | 2 Kg         | Pumpkin Lvs   | 11.7Kg       | Harvest                       |
| Pumpkin Leaves                       | 3 Kg         | Cassava Lvs   | 3.7Kg        | Harvest                       |
| Sugar                                | 2 Kg         | Okra  | 3.1Kg        | Harvest                       |
| Okra                                 | 2kg          | Bananas   | 0            | -                             |
| Salt                                 | 1 Kg         | Guavas  | 9.3Kg        | Harvest                       |
| Cooking oil                          | 2 litres     | Sugar   | 3.4Kg        | K8, 500                       |
|                                      |              | Salt  | 2.4Kg        | K2,400                        |
|                                      |              | Cooking oil   | 3.4Litres    | K13, 000                      |
| <b>Avg. Calories / person / day</b>  | <b>2,400</b> | <b>Avg. Calories / person / day</b>                   | <b>2,222</b> | <b>Deficit (-178)</b>         |
| <b>Avg. Protein / person / day</b>   | <b>30</b>    | <b>Avg. Protein / person / day</b>                    | <b>56</b>    | <b>Surplus (+26)</b>          |
| <b>Avg. Calcium/ person / day</b>    | <b>450</b>   | <b>Avg. Calcium / person / day</b>                    | <b>367</b>   | <b>Deficit (-83)</b>          |
| <b>Avg. Iron / person / day</b>      | <b>13</b>    | <b>Avg. Iron / person / day</b>                       | <b>23</b>    | <b>Surplus (+10)</b>          |
| <b>Avg. Vit A / person / day</b>     | <b>636</b>   | <b>Avg. Vit A / person / day</b>                      | <b>3,313</b> | <b>Surplus (+2,677)</b>       |

## (B) ESSENTIAL NON-FOOD ITEMS

| Monthly Non-Food Needs |               |                 | Average Actual Expenditure on Non-Food Needs |           |                 |
|------------------------|---------------|-----------------|--|-----------|-----------------|
| Item                   | Quantity      | Cost (K)        | Item   | Quantity  | Cost (K)        |
| Torch Batteries        | 6 cells       | 9,000           | Torch Batteries                              | 3 cells   | 4,500           |
| Matches                | 10 boxes      | 2,000           | Matches                                      | 5 boxes   | 1,000           |
| Bath Soap              | 4 tablets     | 18,000          | Bath Soap                                    | 3 tablets | 13,500          |
| Wash Soap              | 2 x 400g boom | 11,000          | Wash Soap – Boom                             | 1 x 400g  | 5,500           |
| Vaseline               | 1 x 500 mLs   | 2,500           | Milling                                      | 80 Kg     | 14,000          |
| Lotion                 | 2 x 500 mLs   | 10,000          | Lotion                                       | 500 mLs   | 5,000           |
| Milling                | 100Kgs        | 17,500          |  |           |                 |
| <b>Total Cost</b>      |               | <b>K70, 000</b> | <b>Average Expenditure</b>                   |           | <b>K43, 500</b> |

**(C) ESSENTIAL SERVICES**

| Service   | Cost                                   | Distance        | Comment   |
|---|--|-----------------|---|
| Water   |  |                 | * World Vision Zambia sunk two boreholes in the area: 1 in Chibulongo and the other in Mwachiyaka village                   |
| Sanitation  |  |                 | *6 latrines at schools  |
| Primary School  |  |                 | Free at primary level. 12 teachers to 634 pupils.<br>116 OVCs   |
| Basic School (8-9)                                    |  |                 | 6 teachers to 110 pupils. When pupils fail to pay fees the girls get married and the boys try to find piece-work<br>18 OVCs |
| Clinic  | -                                      | -               | *   |
| Transport<br>(Mwalumina- Boma)/<br>(Mwalumina-Lusaka) | K20,000(1<br>hr)/<br>K68,000(2<br>hrs) | 32 Km/<br>78 Km | Mwalumina-Mwachilele road has been graded   |
| Agricultural Extension                                |  |                 | Conducted Extension visits 2 times in a month   |
| Hammer Mill   | K4,000/tin                             | -               | 6 hammer mills in the area  |
| Community<br>Development                              | -                                      | -               | Bridge which connects Mwalumina and Mwachilele is in poor condition.<br>No welfare visits                                   |

\* Information on water and sanitation usually collected at Mwalumina Health Centre was not released

**(D) PREVAILING LIVELIHOODS OF SELECT HOUSEHOLDS IN MARCH**

|               | Piece work            | Gardening-Tomatoes                                  | Gardening-Rape |
|---------------|-----------------------|---|----------------|
| Input Costs   | Time                  | Seed, Pesticide, Fertilizer & Fungicide- K1,472,000 | K550,000       |
| Sales         | K150, 000 – K200, 000 | K1,800,000  | K730,000       |
| Profit / Wage | K150, 000 – K200, 000 | K328,000  | K180,000       |

**(E) MINIMUM ANNUAL FOOD PRODUCTION FOR HOUSEHOLD FOOD SECURITY IN MWALUMINA, CHONGWE**

|                         | Maize   | Tomato Gardening   | Beans | Groundnuts |
|-------------------------|---|--|-------|------------|
| <b>Total Quantity</b>   | 750 Kg (22 x 50 Kg bags)                                      | 300-400 boxes  |       |            |
| <b>Cultivation area</b> | 1 Lima  | 1 Lima   |       |            |
| <b>Required Inputs</b>  | 5 Kg Seed, 50 Kg Basal Fertilizer, 50 Kg Top Dressing, Labour | 5000 seedlings, 200Kg fertilizer, pesticide, fungicide, 2 Labour |       |            |
| <b>Total Input Cost</b> | K290,000  | K6,150,000   |       |            |

*This survey was conducted during the first week of **March 2013** by the Social Conditions Programme of the Jesuit Centre for Theological Reflection. Average calories were calculated on the basis of food consumption from randomly selected households within Mwalumina Area. Additional information was collected from rural health centres, Ministry of Agriculture and Cooperatives, schools etc, within Chongwe district.*

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