

JCTR RURAL BASKET: TENGAMA AREA, CHONGWE

March 2013

(A) BASIC FOOD ITEMS FOR AVERAGE SIZE FAMILY OF SEVEN IN TENGAMA 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	60Kg	Harvest
Cassava Tubers	20 Kg	Fresh Maize Cobs	19Kg	Harvest
Eggs	300g	Chicken	3.2Kg	Reared
Chicken	5 Kg	Fresh Fish	1.1Kg	Fishing
Sweet Potatoes	10Kg	Dry fish	0.6Kg	K40, 000
Fresh fish	5 kg	Beans	5.2Kg	K10, 000
Dry Fish	1 Kg	Eggs	0.7Kg	Reared Chickens
Beans	5 Kg	Munkoyo	41.1Kg	Harvest
Groundnuts	5 Kg	Tomatoes	5.4Kg	Harvest
Tomatoes	10 Kg	Onions	3.0Kg	K2,500
Onions	2 Kg	Rape	18.0Kg	Harvest
Rape	4 kg	Sweet Potato Lvs	0Kg	Harvest
Sweet Potatoes	2 Kg	Pumpkin Lvs	19.5Kg	Harvest
Pumpkin Leaves	3 Kg	Cassava Lvs	3.7Kg	Harvest
Sugar	2 Kg	Okra	3.1Kg	Harvest
Okra	2kg	Bananas	21.8Kg	K2,500
Salt	1 Kg	Guavas	10Kg	Harvest
Cooking oil	2 litres	Sugar	3.4Kg	K8, 000
		Salt	2.4Kg	K1,500
		Cooking oil	3.4Litres	K14, 400
Avg. Calories / person / day	2,400	Avg. Calories / person / day	1,542	Deficit (-858)
Avg. Protein / person / day	30	Avg. Protein / person / day	42	Surplus (+12)
Avg. Calcium/ person / day	450	Avg. Calcium / person / day	442	Deficit (-8)
Avg. Iron / person / day	13	Avg. Iron / person / day	25	Surplus (+12)
Avg. Vit A / person / day	636	Avg. Vit A / person / day	4,296	Surplus (+3,660)

(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	3 boxes	750
Bath Soap	4 tablets	18,000	Bath Soap	2 tablets	9,000
Wash Soap	2 x 400g boom	10,000	Wash Soap – Boom	1 x 400g	5,000
Vaseline	1 x 500 mLs	2,500	Milling	60 Kg	12,500
Lotion	2 x 500 mLs	16,000	Lotion	500 mLs	8,000
Milling	100Kgs	17,500			
Total Cost		K75, 000	Average Expenditure		K39, 750

(C) ESSENTIAL SERVICES

Service	Cost	Distance	Comment
Water	Time (2-3 hrs)	2 – 5 Km	3 boreholes, not benefitting the majority due to distance. Majority of households rely on streams where water is not clean and safe for use
Sanitation			4 latrines at schools, not in good condition and need rehabilitation Few households with latrines, majority prefer using the bush as opposed to having a toilet
Firewood	Time (1 hr)	1 – 3 Km	Most people use a lot of firewood as compared to charcoal. Charcoal mostly burnt for business
Primary School (Tengama)	Time(30 min – 1 hr)	2 – 7 Km	Free at primary level. 7 teachers to 308 pupils. 43 OVCs. Challenges of early marriages, absenteeism of pupils
Basic School (Tengama)	Time(30 min – 1 hr)	2 – 7 Km	3 teachers to 51 pupils. Only 1 or 2 selected pupils will go to grade 10 per year. 3 to 6 get married 5 OVCs ---Area has no secondary school which makes it difficult to continue schooling
Clinic (Chinyunyu Rural Health centre)	-	14Km	4 trained medical staff: Number of trained staff too minimal to cater for 150 patients per day Coartem medicine not available
Transport (Tengama- Boma)/ (Tengama-Lusaka)	K40,000(2 hrs)/ K55,000(3-4 hrs)	55 Km/ 96 Km	High use of bicycles and ox-carts due to high cost of bus fares. Roads are not in good shape
Agricultural Extension			None. Catchment area is too big for one extension officer so Tengama area is not visited.
Input delivery (Chongwe-Tengama)	K850,000 (2 – 3 hrs)	65 Km	306 bags received from FISP, benefitting 98 farmers.
Hammer Mill	K3,500/tin (1 – 3 hrs)	3 – 7 hrs	4 hammer mills in the area, people are unable to afford paying the milling fee and milling is of poor quality.
Community Development	-	-	Bridges are in poor state. Social welfare has not visited. COMPACT group have visited.

(D) PREVAILING LIVELIHOODS OF SELECT HOUSEHOLDS IN MARCH

	Charcoal burning	Gardening-Rape	Poultry Keeping
Input Costs	-	Fertilizer & Seeds- K29,000	Free range
Sales	K350,000-K700,000	K270,000	K500,000
Profit / Wage	K350,000-K700,000	K241,000	K500,000

* Most households were involved in more than one income generating activity

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

	Maize	Cassava	Beans	Groundnuts
Total Quantity	15-30 x 50 Kg bags	30-35 x 50 Kg bags	3-6 x 50Kg bags	10-20 x 100 Kg bags
Required Inputs	10 Kg Seed, 100 Kg Basal Fertilizer, 100 Kg Top Dressing, Labour	250-500 cassava cuttings, Labour	10 Kg seed, 50 Kg Basal, 25 Kg Top dressing, Labour	10 Kg seed, 50 Kg lime, Labour
Total Input Cost	K860,000	K250,000	K600,000	K420,000

*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 Tengama area. Additional information was collected from rural health centres, Ministry of Agriculture and Cooperatives, schools etc, within Chongwe district.*