

### Rasun Shimulbari Village at a Glance: Kurigram, Bangladesh

Salient features of the VDSA Project sample village



#### Village Dynamics in South Asia (VDSA) Project

VDSA Project has been collecting panel data on farm households in South Asia. Based on these panel data, it provides profound insights into the social and economic changes in the village and household economies in the South Asia. The project collecting long-term socioeconomic data to better link and strengthens research, policy, and capacity building activities.

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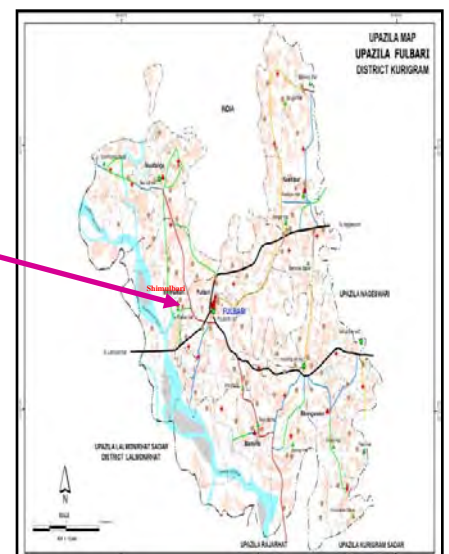
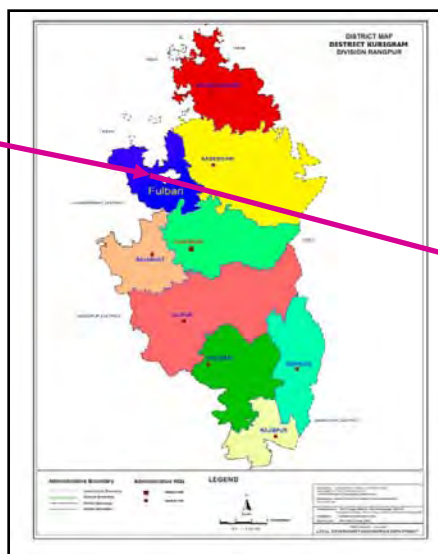
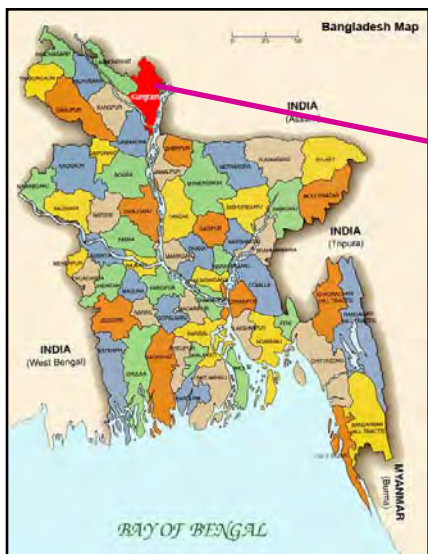
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## Basic information about the village

### A) LOCATION AND BASIC CHARACTERISTICS

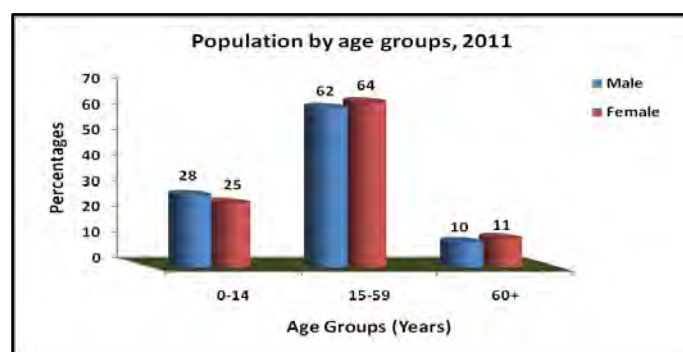
Name of the village	:	Rasun Shimulbari
Name of the union	:	Shimulbari
Name of the Upazila	:	Fulbari
Name of the district	:	Kurigram
Agro-ecological zone (AEZ)	:	Active Tista Floodplain (AEZ 2)
Agro-ecology	:	Unfavorable-flood prone
Development infrastructures	:	Unfavorable
Distance from Upazila HQ	km	2
Distance from district HQ	km	16
Latitude (N)	:	25°92'
Longitude (E)	:	89°57'
Total land area (whole village)	ha	40.37
Total land area (sample households)	ha	15.17
Total households (whole village)	no.	189
Total households (sample households)	no.	40
Total population (whole village)	no.	827 (Male: 415; Female: 412)
Total population (sample households)	no.	204 (Male: 114; Female: 90)
Households involved in crop production	%	62
Distance from nearest district town	km	11
Distance from nearest national highways	km	11
Head of the village	:	Union Parishad Member



## B) DEMOGRAPHY OF THE SAMPLE HOUSEHOLDS (as of 2011)

### Classification of Population

Population density (Sq. km)	: 2049
Population growth rate (%/yr)	: -0.97
Child-women ratio (Per 1000)	: 242
Male-Female sex ratio	: 127
Income earner (Person/hh)	: 1.88
Dependency ratio (%)	: 66



### Classification of Households

Male headed households (no.)	: 36
Female headed households (no.)	: 4
Total households (no.)	: 40

### Household and population, by types of religion

Types of religion	Household (no.)	Population (no.)
Islam	26	140
Hindu	14	64

### Distribution of households and their family size, by farm size category

Farm household category*	Number of household	Percentage share in all farms	Family size (Person/Household)
Landless	23	57.50	4.87
Small	15	37.50	5.13
Medium	2	5.00	9.50
Large	0	0	0
<b>All farms</b>	<b>40</b>	<b>100</b>	<b>5.20</b>

\*Landless (<=0.2 ha), Small (0.21-1.00 ha), Medium (1.01-2.00 ha) & Large (>2.00 ha)

### Educational Level

#### Number of literate persons and literacy rate of the population

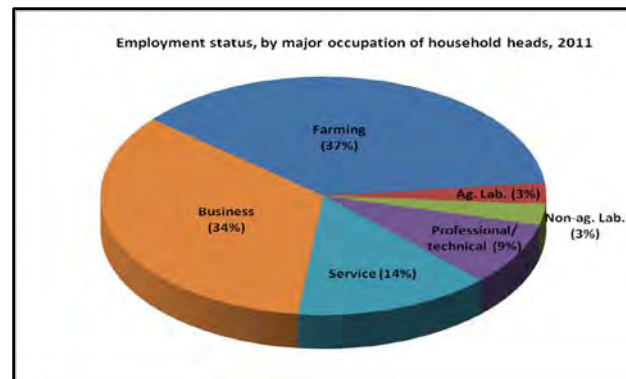
Levels of education*	Male (no.)	Female (no.)	Both sex (no.)
Illiterate	18	21	39
Can sign only	2	0	2
Primary	25	15	40
Secondary	41	39	80
Higher secondary	11	7	18
Technical/vocational	1	0	1
Graduate & above	5	2	7
<b>Total literate persons</b>	<b>85</b>	<b>63</b>	<b>148</b>
<b>Literacy rate (%)</b>	<b>79.05</b>	<b>74.12</b>	<b>76.84</b>

\* Literacy rate was calculated for people aged 5 years and above.

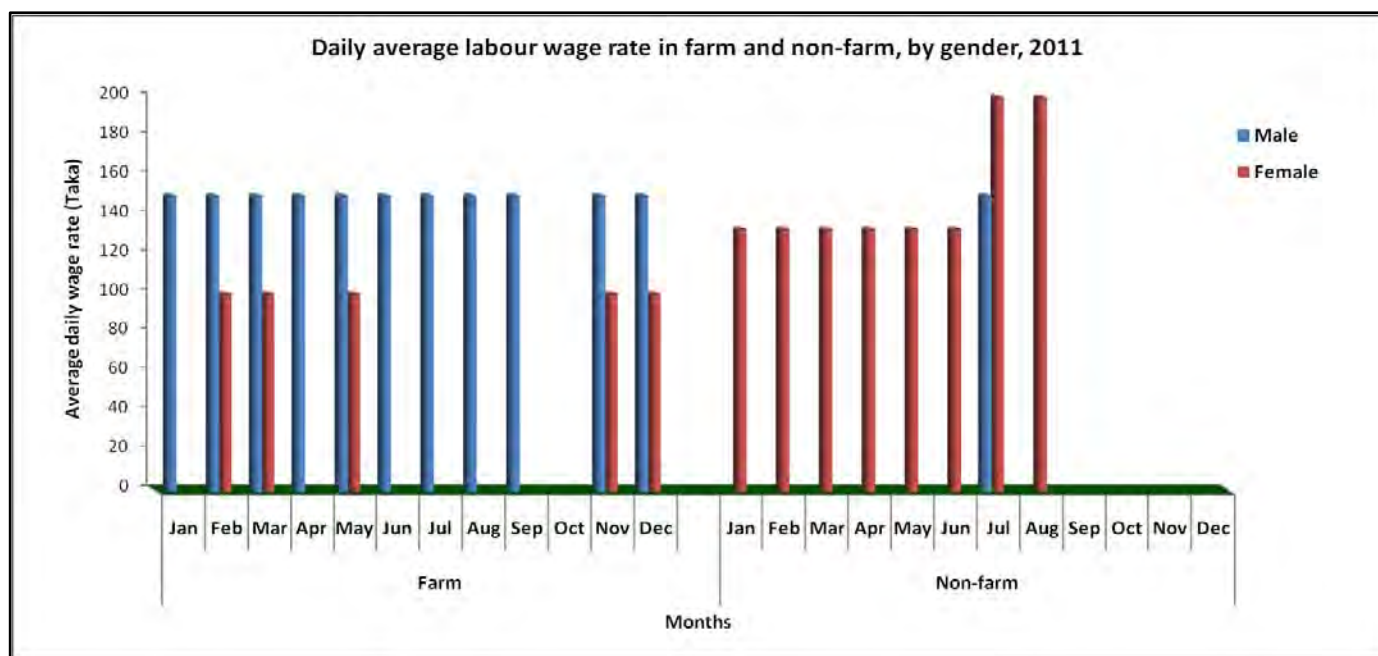
## Occupation

Employment status, by major occupation

Types of occupation	Population (no.)
Farming	19
Agricultural labor	1
Non-agricultural labor	5
Professional or technical worker	5
Service worker	25
Business	20
<b>Total economically active persons</b>	<b>75</b>
<b>Total economically inactive persons</b>	<b>129</b>



## Wage rates of farm and non-farm labor, by gender

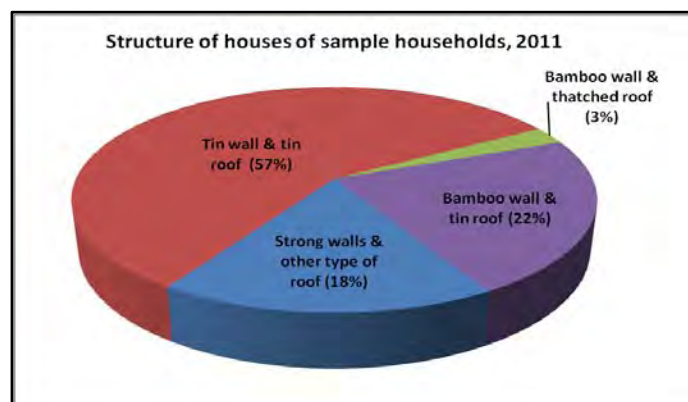


Migrated population in the sample households

Migration	Both sex (no.)	Male (no.)	Female (no.)
Within the district	1	1	0
Another district	11	10	1
Foreign country	0	0	0
<b>Total out-migration</b>	<b>12</b>	<b>11</b>	<b>1</b>
<b>Total in-migration</b>	<b>27</b>	<b>14</b>	<b>13</b>

### C) OWNERSHIP OF ASSETS OF THE SAMPLE HOUSEHOLDS (as of 2011)

Structure of houses of the sample households



Possession of livestock and poultry

Types of livestock	Total numbers	Average (no./hh)
Bullocks	3	0.08
Buffaloes	1	0.03
Cow	36	0.90
Young cattle/calf	22	0.55
Goat	11	0.28
Sheep	4	0.10
Poultry	237	5.93

Possession of agricultural/farm assets of the sample households

Farm machinery	Total numbers	Average (no./hh)
Local plough (iron/wooden)	5	0.13
Blade harrow	1	0.03
Sprayers	13	0.33
Weeding implements	50	1.25
Shallow tube well (STW)	5	0.13
Thresher	1	0.03
Trucks	1	0.03
Agro processing unit	79	1.98
Implements used for caste occupation	36	0.90
Other minor implements	136	3.40

Possession of consumer assets of the sample households

Types	Total numbers	Average (no./hh)
Television	14	0.35
Radio	1	0.03
Mobile phone	64	1.60
Tape recorder	4	0.10
Watches	46	1.15
Sewing machine	3	0.08
Fan	22	0.55
Motor cycle	6	0.15
Refrigerator	1	0.03
Bicycle/rickshaw	41	1.03
Others	5	0.13

Percentage of sample households of resource ownership and decision making, by gender

Particulars	Male	Female	Jointly
1) Asset ownership			
Land	80	3	10
Livestock	8	3	80
Credit	3	33	60
Machinery	5	0	90
Investment	8	3	88
2) Decision making for input use			
Seeds	68	3	10
Fertilizers	68	3	10
Pesticides	68	3	10
Family labor	13	3	65
Hired labor	18	3	60
3) Decision making for output sell			
Crop main production	10	3	68
Sale quantity	8	5	68
Fodder production & use	8	0	73
4) Decision making for other activities			
Children marriage	0	3	63
Education of children	3	5	80
Coping mechanisms for disaster	0	0	5
Household maintenance	3	13	84
Migration	0	0	10
Pleasure trip	3	3	93
Whom to give vote	5	3	92

\*Sample households which belong to landless group and did not grow any crops were excluded.

**D) LAND RESOURCES OF THE SAMPLE HOUSEHOLDS (as on 2011)**

Area coverage per household, by types of land

Area coverage per household, by types of soil

Land types	Area (ha)	% of total area	Soil types	Area (ha)	% of total area
High land	0.0132	3.77	Sandy soil	0.0063	1.80
Medium land	0.2521	72.23	Loamy	0.0590	16.90
Low land	0.0812	23.25	Sandy loam	0.2738	78.43
Very low land	0.0026	0.75	Clay loam	0.0100	2.87

**E) LAND USE PATTERN OF THE SAMPLE HOUSEHOLDS (As on 2011)**

Total land status by land ownership

Per capita total land (ha)	: 0.0488	<b>Ownership</b>	<b>Total land area (ha/hh)</b>	<b>Total irrigated area (ha/hh)</b>
Per capita agricultural land (ha)	: 0.0308			
Per capita homestead area (ha)	: 0.0059	Own land	0.2468	0.2454
Per capita homestead garden and bush (ha)	: 0.0121	Leased-in on crop share	0.0229	0.0229
		Leased-out on crop share	0.0288	0.0288
		Mortgaged-in	0.0795	0.0795
		Mortgaged-out	0.0085	0.0085
		<b>Operated area</b>	<b>0.3117</b>	<b>0.3104</b>





## Crops area and yield, by growing season (area in hectare)

Enterprises	Aus	Aman	Boro	Rabi	Annual
1) Cereal Crops:					
Paddy	-	0.2950 (2.88)	0.2994 (5.01)	-	-
Wheat	-	-	-	0.0129 (2.62)	-
2) Cash Crops:					
Jute	0.0684 (1.67)	-	-	-	-
3) Oilseed Crops:					
Mustard	-	-	-	0.0139 (0.45)	-
4) Tuber Crops:					
Potato	-	-	-	0.0046 (10.20)	-
5) Vegetables:					
Arum	0.0013 (11.54)	-	-	-	-
6) Tobacco					
	-	-	-	0.0067 (2.10)	-
7) <i>Dhanca</i> **					
	0.0008 (10000)	-	-	-	-
<b>Gross Cropped Area</b>	<b>0.0705</b>	<b>0.2950</b>	<b>0.2994</b>	<b>0.0380</b>	<b>-</b>

\*Figure in the parenthesis indicates yield in metric tonne per hectare and \*\* means Taka per hectare.

## Seasonal cropped area, by types of variety of the sample households (area in hectare)

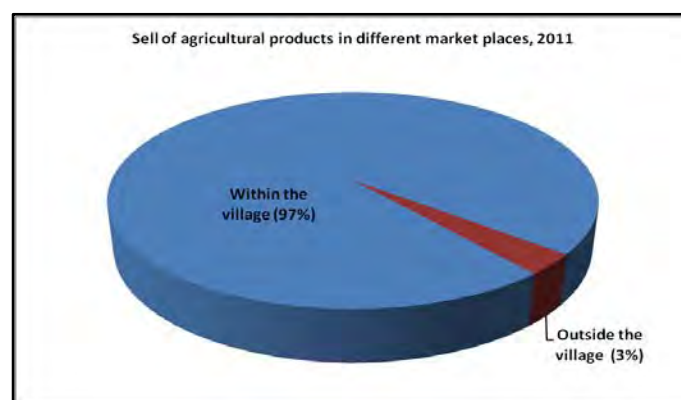
Variety types	Rice			Non-rice			Annual
	Aus	Aman	Boro	Kharif-I	Kharif-II	Rabi	
Local	0	0.0362	0	0.0021	0	0.0139	0
Modern	0	0.2588	0.1960	0.0684	0	0.0129	0
Hybrid	0	0	0.1034	0	0	0.0112	0
<b>Total area</b>	<b>0</b>	<b>0.2950</b>	<b>0.2994</b>	<b>0.0705</b>	<b>0</b>	<b>0.0380</b>	<b>0</b>

## Production, consumption and sale of all agricultural commodities

Particulars	Amount
Crop production (metric tonne/hh)	2.59
Sell (metric tonne/hh)	1.05
Sell of total production (%)	41
Consumption of total production (%)	59

## Sell of agricultural products, by different market intermediaries

Market intermediaries	Percentages
Large trader/shop	0
Middleman/broker	100
Money lender	0
Input supplier	0
Neighbor	0





## G) BORROWING AND SAVINGS BY SAMPLE HOUSEHOLDS (as on 2011)

Membership of household members in different organizations (unit in numbers)

Name of organization	Male	Female	Both sex
Grameen bank	0	4	4
ASA	1	11	12
BRAC	1	0	1
Other NGOs/local NGOs	0	11	11

Institutional and non-institutional sources of borrowing and saving

Sources	Numbers*	Amount (Tk/hh)	Annual interest rate (%)
<b>A) Borrowing</b>			
NGOs	30 (75.00)	17360	15.00
Public bank	1 (2.50)	625	8.00
Friends & relatives	5 (12.50)	9625	0
<b>B) Saving</b>			
Bank	24 (60.00)	2629	-
NGOs	27 (67.50)	1158	-

\*Figure in the parenthesis indicates percentage of total.

## H) INFRASTRUCTURE AND ACCESSIBILITY

Nearest market place (Name & distance)	:	Fulbari; 2.0 km
Distance from the village market to Upazila market (km)	:	2.5
Distance from the village market to district market (km)	:	11
Mode of transportation	:	Rickshaw, Auto, Bicycle, Motor cycle
Number of primary schools	:	1
Number of high schools	:	Nil
Number of colleges	:	Nil
Total number of shops in the village	:	47
Number of rice husking mills in the village	:	2
Number of public health clinic/centre	:	1
Number of private health clinic/centre	:	Nil
Number of religious institute in the village	:	(4) Mosque, (3) Temple, (0) Church
Number of hand tube-well for drinking water	:	198

Others business units in the village (unit in numbers)

Grocery Shop	:	14	PDS Shop	:	0	Hotel/Canteen	:	6
Meat Shop	:	0	Carpenter	:	6	Blacksmith	:	0
Medical Shop	:	6	Mason	:	8	TV/Radio Mechanic	:	2
Money Lenders	:	11	Cold Storage	:	0	Milk Dairy	:	0
Cobbler	:	3	Cycle Repair Shop	:	2	Cyber Shop	:	0

## Agricultural input shops in the village

Input	Available in village (Yes/No)	If NO, name of nearest available place	Distance from village (km)
Seed	Yes	-	0.5
Fertilizer	Yes	-	0.5
Pesticide	Yes	-	0.5
Machinery-purchase	No	Fulbari	2.0
Machinery-custom hiring	No	Fulbari	2.0

## Access to basic facilities of the sampled households

Facilities	Available in village	If YES, no. of house having access	Percentage of total households
Health facility	Yes	40	100
Drinking water facility	Yes	40	100
Toilet facility	Yes	40	100
Bathroom facility	Yes	25	62.50
Tap water connection	Yes	1	2.50
Village electrification	Yes	12	30.00
Dish connection/TV cable	Yes	2	5.00
Cooking gas facility	No	-	-

## Access to sources of information of the sample households

Sources of information	Numbers (Index)	Rank
Block supervisor/union agri. officer	5.15	3
Community leaders	5.89	2
Community or local news paper	0.09	10
Input supplier	4.58	4
National news paper	0.18	9
NGOs	2.84	6
Relatives, friends and neighbors	6.33	1
Television	2.71	7
Upazila agriculture officer	2.56	8
Village panchayat/leader (Chairman)	3.31	5

## D) GOVERNMENT WELFARE PROGRAMS

### Access to social safety net programs of the sample households

Government program	Beneficiaries*	Average amount (Tk/year/hh)
Food for work	3 (7.50)	7667
Integrated mother & child development program	17 (42.50)	384
Family planning	30 (75.00)	443
Old aged pension	2 (5.00)	3600
Physically handicapped pension	1 (2.50)	7200
Scholarships and economic assistance	20 (50.00)	1151
Free health camps	22 (55.00)	332
Vulnerable group feeding (VGF)	1 (2.50)	600
Vulnerable group development (VGD)	4 (10.00)	3775
Fair price shop	3 (7.50)	500

\*Figure in the parenthesis indicates percentage of total household.