

Boikunthapur Village at a Glance: Thakurgaon, 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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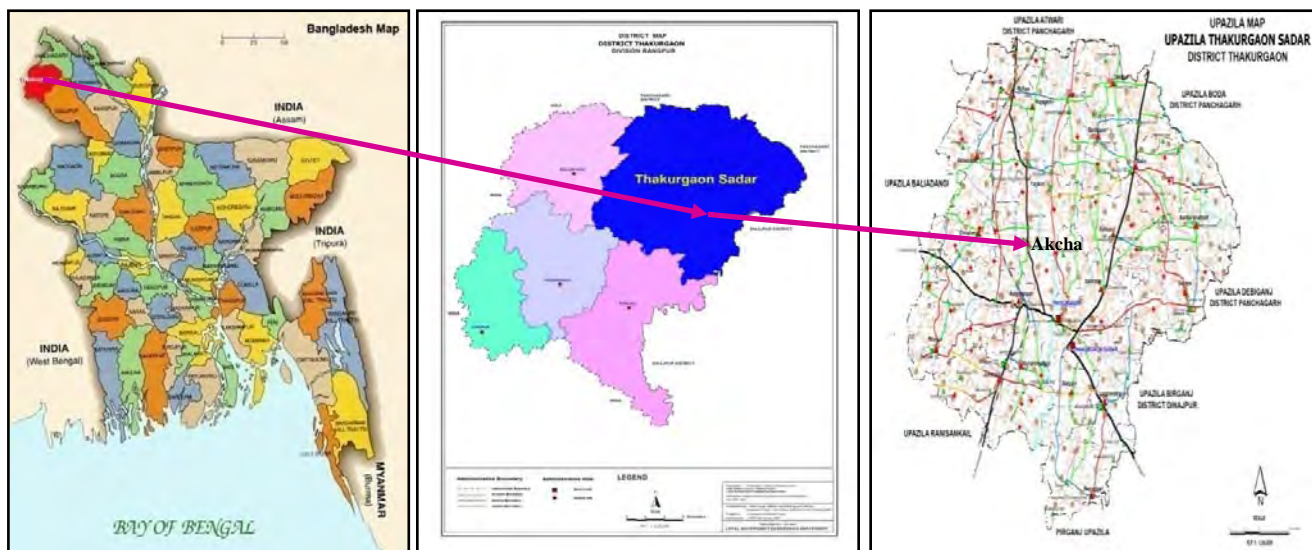
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Basic information about the village

A) LOCATION AND BASIC CHARACTERISTICS

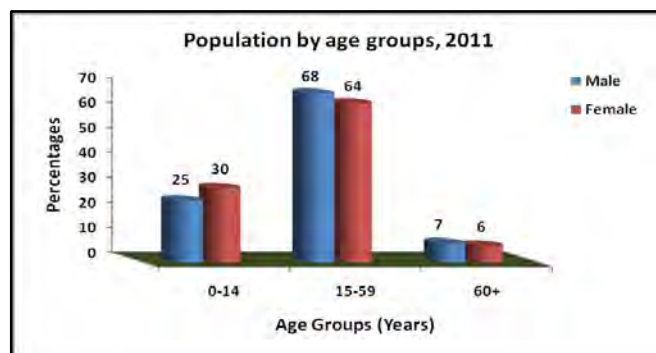
Name of the village	:	Boikunthapur
Name of the union	:	Akcha
Name of the Upazila	:	Thakurgaon Sadar
Name of the district	:	Thakurgaon
Agro-ecological zone (AEZ)	:	Old Himalayan Piedmont Plain (AEZ 1)
Agro-ecology	:	Unfavorable-drought
Development infrastructures	:	Unfavorable
Distance from Upazila HQ	km	12
Distance from district HQ	km	12
Latitude (N)	:	26°03'
Longitude (E)	:	88°46'
Total land area (whole village)	ha	134.18
Total land area (sample households)	ha	54.67
Total households (whole village)	no.	147
Total households (sample households)	no.	42
Total population (whole village)	no.	673 (Male: 338; Female: 335)
Total population (sample households)	no.	196 (Male: 105; Female: 91)
Households involved in crop production	%	81
Distance from nearest district town	km	14
Distance from nearest national highways	km	14
Head of the village	:	Union Parishad Member



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

Classification of Population

Population density (Sq. km)	: 502
Population growth rate (%/yr)	: -4.85
Child-women ratio (Per 1000)	: 207
Male-Female sex ratio	: 115
Income earner (Person/hh)	: 1.48
Dependency ratio (%)	: 52



Classification of Households

Male headed households (no.)	: 40
Female headed households (no.)	: 2
Total households (no.)	: 42

Household and population, by types of religion

Types of religion	Household (no.)	Population (no.)
Islam	42	196
Hindu	0	0

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	20	47.62	4.55
Small	10	23.81	5.20
Medium	9	21.43	5.22
Large	3	7.14	5.00
All farms	42	100	4.88

*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

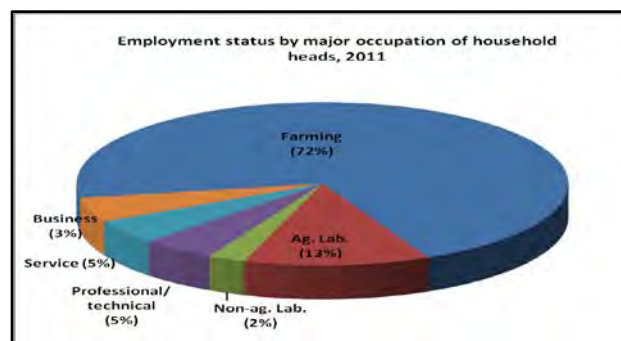
Levels of education*	Male (no.)	Female (no.)	Both sex (no.)
Illiterate	4	7	11
Can sign only	7	11	18
Primary	15	27	42
Secondary	48	30	78
Higher secondary	11	6	17
Technical/vocational	3	1	4
Graduate & above	7	2	9
Total literate persons	91	77	168
Literacy rate (%)	86.60	75.86	81.52

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

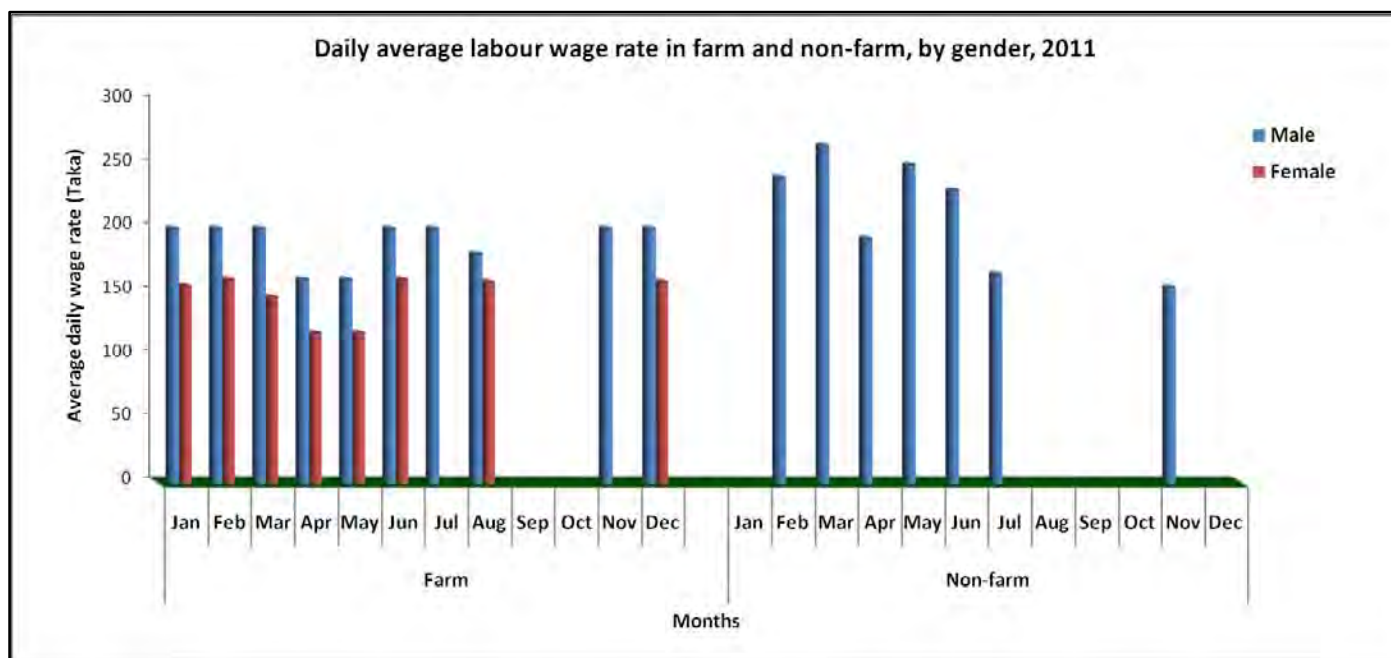
Occupation

Employment status, by major occupation

Types of occupation	Population (no.)
Farming	37
Agricultural labor	6
Non-agricultural labor	1
Professional or technical worker	4
Service worker	9
Business	5
Total economically active persons	62
Total economically inactive persons	133



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

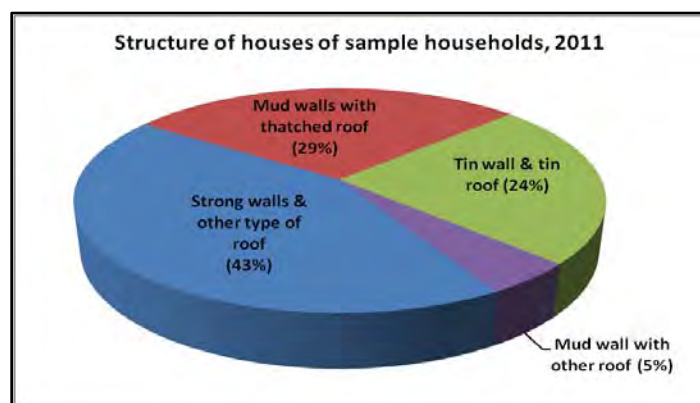


Migrated population in the sample households

Migration	Both sex (no.)	Male (no.)	Female (no.)
Within the district	23	17	6
Another district	7	6	1
Foreign country	0	0	0
Total out-migration	30	23	7
Total in-migration	5	2	3

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)
Cow	79	1.88
Young cattle/calf	48	1.14
Goat	64	1.52
Bullocks	34	0.81
Poultry	513	12.21

Possession of agricultural/farm assets of the sample households

Farm machinery	Total numbers	Average (no./hh)
Local plough (iron/wooden)	21	0.50
Sprayers	15	0.36
Bullock cart	3	0.07
Power tiller/tractor	2	0.05
Shallow tube well (STW)	27	0.64
Power pump (LLP)	1	0.02
Thresher	6	0.14
Agro processing unit	43	1.02
Other minor implements	223	5.31

Possession of consumer assets of the sample households

Types	Total numbers	Average (no./hh)
Television	18	0.43
Radio	6	0.14
Mobile phone	53	1.26
Tape recorder	6	0.14
Watches	34	0.81
Sewing machine	4	0.10
Fan	40	0.95
Motor cycle	6	0.14
Fridge	1	0.02
Bicycle/rickshaw	53	1.26
Others	8	0.19

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

Particulars	Male	Female	Jointly
1) Asset ownership			
Land	78	5	17
Livestock	33	5	60
Credit	43	5	50
Machinery	60	2	26
Investment	31	5	60
2) Decision making for input use			
Seeds	36	2	50
Fertilizers	36	2	50
Pesticides	36	2	50
Family labor	5	5	90
Hired labor	38	2	52
3) Decision making for output sell			
Crop main production	21	2	64
Sale quantity	14	2	71
Fodder production & use	5	5	86
4) Decision making for other activities			
Children marriage	0	2	79
Education of children	2	0	86
Coping mechanisms for disaster	2	5	90
Household maintenance	5	5	90
Migration	5	2	31
Pleasure trip	2	5	74
Whom to give vote	7	5	86

*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

Land types	Area (ha)	% of total area
High land	0.0048	0.38
Medium land	0.6714	52.79
Low land	0.5931	46.64
Very low land	0.0024	0.19

Area coverage per household, by types of soil

Soil types	Area (ha)	% of total area
Problem soil	0.0195	1.53
Sandy loam	1.2522	98.47

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

Per capita total land (ha)	:	0.1994
Per capita agricultural land (ha)	:	0.1891
Per capita homestead area (ha)	:	0.0054
Per capita homestead garden and bush (ha)	:	0.0049

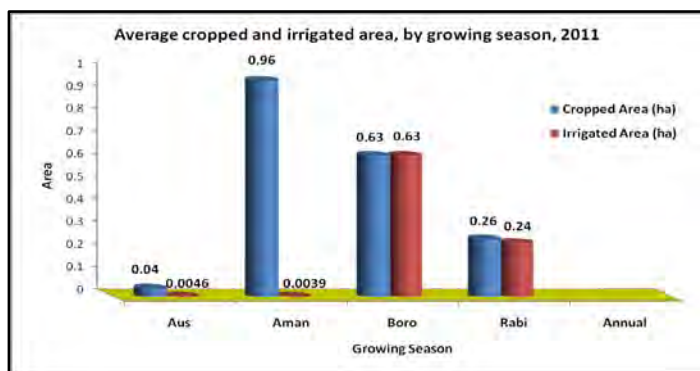
Total land status, by land ownership

Ownership	Total land area (ha/hh)	Total irrigated area (ha/hh)
Own land	0.9065	0.9065
Leased-in on crop share	0.2413	0.2413
Leased-in on fixed rent	0.0270	0.0270
Leased-out on crop share	0.2378	0.2378
Leased-out on fixed rent	0.0097	0.0097
Mortgaged-in	0.0970	0.0970
Mortgaged-out	0.0391	0.0391
Operated area	0.9851	0.9851

Average area per household of major land patterns, by growing season (area in hectare)

Enterprises	Aus	Aman	Boro	Rabi	Annual
Cropped area	0.0390	0.9589	0.6270	0.2569	-
Pond/fish culture	-	-	-	-	-
Agro-forestry	-	-	-	-	-
Fallow land	-	0.0029	0.2306	0.7285	-

*Total operated area may differ from season to season due to changes in land ownership patterns.



Area coverage, by sources of irrigation

Irrigation source	Area (ha/hh)	% of total area
STW	0.9458	96.01
LLP	0.0393	3.99

F) Crop Production (As on 2011)

Seasonality of cropping calendar

S L	January	February	March	April	May	June	July	August	September	October	November	December												
	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week												
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1																								
2																								
3																								
4																								
5																								
6																								
7																								

Legend:

	1	Boro (Rice)		3	Potato		5	Mustard		7	Jute
	2	Maize		4	T. Aman (Rice)		6	Wheat			

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

Enterprises	Aus	Aman	Boro	Rabi	Annual
1) Cereal Crops:					
Paddy	-	0.9589 (3.25)	0.6270 (6.82)	-	-
Wheat	-	-	-	0.2302 (3.27)	-
Maize	0.0113 (4.19)	-	-	-	-
2) Cash Crops:					
Jute	0.0277 (1.27)	-	-	-	-
3) Oilseed Crops:					
Mustard	-	-	-	0.0096 (1.10)	-
4) Tuber Crops:					
Potato	-	-	-	0.0171 (14.22)	-
Gross Cropped Area	0.0390	0.9589	0.6270	0.2569	-

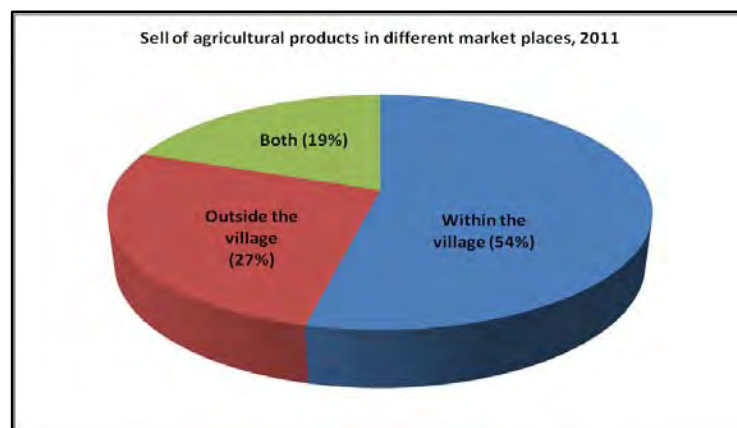
*Figure in the parenthesis indicates yield in metric tonne per hectare.

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	0	0.0034	0	0.0112	0
Modern	0	0.9589	0.6270	0.0221	0	0.2361	0
Hybrid	0	0	0	0.0135	0	0.0096	0
Total area	0	0.9589	0.6270	0.0390	0	0.2569	0

Production, consumption and sale of all agricultural commodities

Particulars	Amount
Crop production (metric tonne/hh)	8.48
Sell (metric tonne/hh)	4.46
Sell of total production (%)	53
Consumption of total production (%)	47



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	9	9
ASA	0	2	2
BRAC	1	3	4

Institutional and non-institutional sources of borrowing and saving

Sources	Numbers*	Amount (Tk/hh)	Annual interest rate (%)
A) Borrowing			
Cooperatives	3 (7.14)	1036	60.00
NGOs	14 (33.33)	3548	11.43
Public bank	3 (7.14)	952	10.00
Friends & relatives	3 (7.14)	1667	10.00
Money lender	3 (7.14)	321	93.00
B) Saving			
Bank	11 (26.19)	852	-
Cooperatives	14 (33.33)	427	-
NGOs	16 (38.10)	813	-

*Figure in the parenthesis indicates percentage of total.

H) INFRASTRUCTURE AND ACCESSIBILITY

Nearest market place (Name & distance)	:	Farabari; 5.0 km
Distance from the village market to Upazila market (km)	:	13
Distance from the village market to district market (km)	:	13
Mode of transportation	:	Motor cycle, Van, Bicycle
Number of primary schools	:	1
Number of high schools	:	Nil
Number of colleges	:	Nil
Total number of shops in the village	:	2
Number of rice husking mills in the village	:	1
Number of public health clinic/centre	:	Nil
Number of private health clinic/centre	:	Nil
Number of religious institute in the village	:	(2) Mosque, (0) Temple, (0) Church
Number of hand tube-well for drinking water	:	122

Others business units in the village (Unit in Numbers)

Grocery Shop	:	2	PDS Shop	:	0	Hotel/Canteen	:	0
Meat Shop	:	0	Carpenter	:	0	Blacksmith	:	0
Medical Shop	:	0	Mason	:	2	TV/Radio Mechanic	:	0
Money Lenders	:	0	Cold Storage	:	0	Milk Dairy	:	0
Cobbler	:	0	Cycle Repair Shop	:	0	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	No	Farabari	4
Fertilizer	No	Farabari	4
Pesticide	No	Farabari	4
Machinery-purchase	No	Farabari	4
Machinery-custom hiring	Yes	-	-

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	No	-	-
Drinking water facility	Yes	36	85.71
Toilet facility	Yes	39	92.90
Bathroom facility	Yes	32	76.19
Tap water connection	No	-	-
Village electrification	Yes	28	66.67
Dish connection/TV cable	No	-	-
Cooking gas facility	No	-	-

Access to sources of information of the sample households

Sources of information	Numbers (Index)	Rank
Block supervisor/union agri. officer	5.33	3
Community leaders	3.91	5
Input supplier	5.45	2
National news paper	0.09	9
NGOs	0.35	7
Radio	0.24	8
Relatives, friends and neighbors	6.60	1
Television	1.84	6
Village panchayat/leader (Chairman)	4.56	4

D) GOVERNMENT WELFARE PROGRAMS

Access to social safety nets programs of the sample households

Government program	Beneficiaries*	Average amount (Tk/year/hh)
Employment guarantee scheme	1 (2.38)	12000
Integrated mother & child development program	22 (52.38)	111
Family planning	26 (61.90)	227
Old aged pension	6 (14.29)	3600
Physically handicapped pension	1 (2.38)	3600
Widow pension	2 (4.76)	3600
Scholarships and economic assistance	19 (45.24)	1263
Subsidy on bullocks, sheep and goat	2 (4.76)	19000
Free health camps	17 (40.48)	119

*Figure in the parenthesis indicates percentage of total household.