Patordia Village at a Glance: Narsingdi, Bangladesh

Salient features of the VDSA Project sample village



PARTNERS:

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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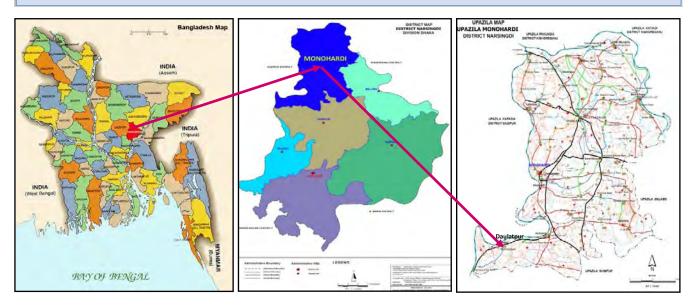


FUNDE Paterdia Village at a Glance,

Basic information about the village

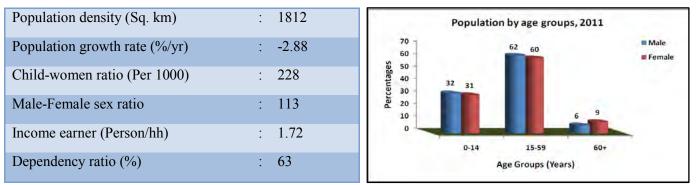
A) LOCATION AND BASIC CHARACTERISTICS

Name of the village	:	Patordia
Name of the union	:	Daulatpur
Name of the Upazila	:	Monohardi
Name of the district	:	Narsingdi
Agro-ecological zone (AEZ)	:	Madhupur Tract (AEZ 28)
Agro-ecology	:	Favorable
Development infrastructures	:	Favorable
Distance from Upazila HQ	km	7
Distance from district HQ	km	22
Latitude (N)	:	24° 16′
Longitude (E)	:	90° 73′
Total land area (whole village)	ha	48.52
Total land area (sample households)	ha	20.86
Total households (whole village)	no.	180
Total households (sample households)	no.	43
Total population (whole village)	no.	879 (Male: 460; Female: 419)
Total population (sample households)	no.	236 (Male: 125; Female: 111)
Households involved in crop production	%	66
Distance from nearest district town	km	28
Distance from nearest national highways	km	20
Head of the village	:	Union Parishad Member



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

Classification of Population



Classification of Households

Male headed households (no.)	:	29	Household and popula	ation, by types of rel	igion
Female headed households (no.)	:	14	Types of religion	Household (no.)	Population (no.)
Total households (no.)	:	43	Islam	43	236
			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	22	51.16	5.14
Small	20	46.51	6.15
Medium	1	2.33	4.00
Large	0	0	0
All farms	43	100	5.58

*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	12	23	35
Can sign only	9	5	14
Primary	37	30	67
Secondary	47	38	85
Higher secondary	5	5	10
Graduate & above	5	0	5
Total literate persons	103	78	181
Literacy rate (%)	79.66	69.52	74.89

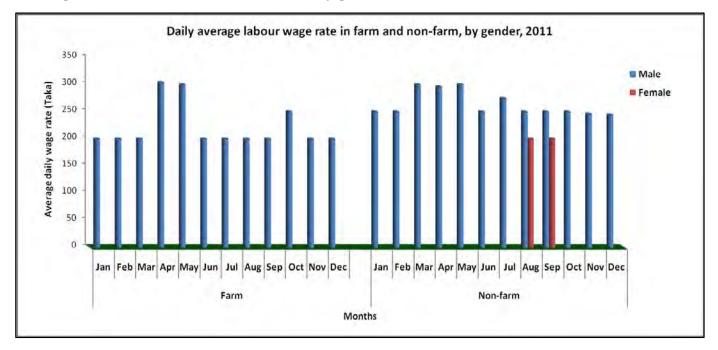
* Literacy rate was calculated for people aged 5 years and above.

Occupation

Employment status, by major occupation

Types of occupation	Population (no.)	Employment status by major occupation of household
Farming	21	heads, 2011
Non-agricultural labor	4	Forming
Professional or technical worker	2	(61%)
Service worker	39	Business
Business	8	(18%) Service (10%)
Total economically active persons	74	Non-ag. Lab. Restantional/ (4%)
Total economically inactive persons	162	Professional/ (4%) technical (7%)

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



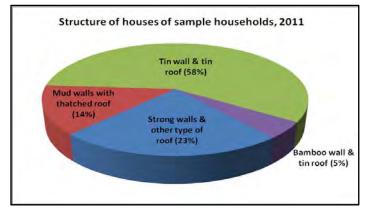
Migrated population in the sample households

Migration	Both sex (no.)	Male (no.)	Female (no.)
Within the district	9	5	4
Another district	25	15	10
Foreign country	17	17	0
Total out-migration	51	37	14
Total in-migration	0	0	0

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

Structure of houses of the sample households





Types of livestock	Total numbers	Average (no./hh)
Bullocks	5	0.12
Cows	28	0.65
Young cattle/calf	29	0.67
Goat	9	0.21
Poultry	184	4.28

Possession of agricultural/farm assets of the sample households

Farm machinery	Total numbers	Average (no./hh)
Local plough (iron/wooden)	7	0.16
Blade harrow	1	0.02
Bullock cart	41	0.95
Shallow tube well (STW)	8	0.19
Husking machine	1	0.02
Agro processing unit	82	1.91
Other minor implements	239	5.56

Possession of consumer assets of the sample households

Types	Total numbers	Average (no./hh)
Television	21	0.49
Radio	2	0.05
Mobile phone	63	1.47
Tape recorder	11	0.26
Watches	39	0.91
Sewing machine	4	0.09
Fans	69	1.60
Motor cycle	1	0.02
Computer	1	0.02
Fridge	7	0.16
Bicycle/rickshaw	18	0.42

Particulars	Male	Female	Jointly
1) Asset ownership			
Land	72	7	21
Livestock	33	14	42
Credit	16	5	16
Machinery	35	7	49
Investment	30	7	30
2) Decision making for input use			
Seeds	0	2	70
Fertilizers	0	2	70
Pesticides	2	2	67
Family labor	0	5	95
Hired labor	0	5	95
3) Decision making for output sell			
Crop main production	0	5	74
Sale quantity	0	5	74
Fodder production & use	0	5	77
4) Decision making for other activities			
Children marriage	0	2	88
Education of children	0	5	88
Coping mechanisms for disaster	0	5	58
Household maintenance	0	7	93
Migration	0	2	70
Pleasure trip	2	5	88
Whom to give vote	0	5	95

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

*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	Soi
Leveled (0-1%)	0.0016	0.35	
High land	0.0434	9.53	Sar
Medium land	0.2864	62.92	
Low land	0.1216	26.72	Cla
Very low land	0.0022	0.48	Ciu

Soil types	Area (ha)	% of total area
Sandy soil	0.0010	0.23
Clay loam	0.4542	99.77

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

Per capita total land (ha)	:	0.0552
Per capita agricultural land (ha)	:	0.0421
Per capita homestead area (ha)	:	0.0055
Per capita homestead garden and bush (ha)	:	0.0076

Dakshin Kabir Kathi Village at a Glance

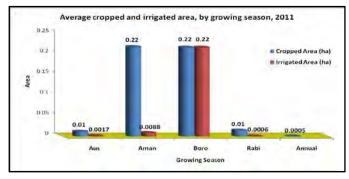
Total land status, by land ownership

Ownership	Total land area (ha/hh)	Total irrigated area (ha/hh)
Own land	0.3277	0.3277
Leased-in on crop share	0.1042	0.1042
Leased-in on fixed rent	0.1103	0.1103
Leased-out on fixed rent	0.0029	0.0029
Mortgaged-in	0.0233	0.0233
Mortgaged-out	0.0853	0.0853
Operated area	0.2567	0.2567

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

Enterprises	Aus	Aman	Boro	Rabi	Annual
Cropped area	0.0119	0.2182	0.2166	0.0144	0.0005
Pond/fish culture	-	-	-	-	-
Agro-forestry	-	-	-	-	0.0014
Fallow land	0.2544	0.0308	0.0362	0.2470	-

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

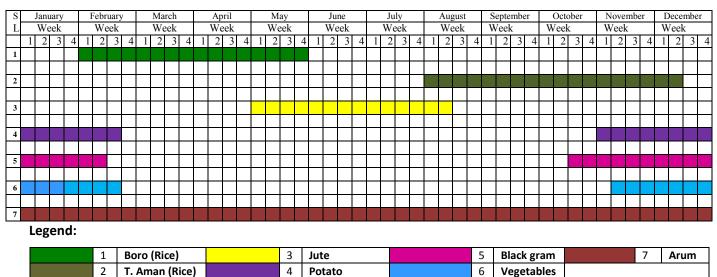


Area coverage, by sources of irrigation

Irrigation source	Area (ha/hh)	% of total area
STW	0.2567	100

F) Crop Production (As on 2011)

Seasonality of cropping calendar



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

Enterprises	Aus	Aman	Boro	Rabi	Annual
1) Cereal Crops:					
Paddy	-	0.2182 (1.80)	0.2166 (4.20)	-	-
2) Cash Crops:					
Jute	0.0119 (1.76)	-	-	-	-
3) Pulse Crops:					
Black Gram	-	-	-	0.0072 (0.53)	-
4) Spice Crops:					
Chilli	-	-	-	0.0004 (0.50)	-
5) Tuber Crops:					
Potato	-	-	-	0.0043 (1.21)	-
6) Vegetables:					
Arum	-	-	-	0.0002 (6.00)	0.0005 (5.00)
Gourd ^{**}	-	-	-	0.0002 (25000)	-
Vegetables	-	-	-	0.0022 (0.77)	-
Gross Cropped Area	0.0119	0.2182	0.2166	0.0144	0.0005

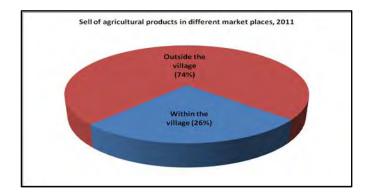
*Figure in the parenthesis indicates yield in metric tonne per hectare and ** means Taka per hectare.

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

Variety types		Rice		Non-rice				
	Aus	Aman	Boro	Kharif-I	Kharif-II	Rabi	Annual	
Local	0	0.0123	0	0.0011	0	0.0107	0.0005	
Modern	0	0.2059	0.2139	0.0108	0	0.0037	0	
Hybrid	0	0	0.0027	0	0	0	0	
Total area	0	0.2182	0.2166	0.0119	0	0.0144	0.0005	

Production, consumption and sale of all agricultural commodities

Particulars	Amount
Crop production (metric tonne/hh)	1.35
Sell (metric tonne/hh)	0.26
Sell of total production (%)	19
Consumption of total production (%)	81



Sell of agricultural products, by different market intermediaries

Market intermediaries	Percentages
Large trader/shop	0
Middleman/broker	50.00
Money lender	33.33
Neighbor	16.67

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

Name of organization	Male	Female	Both sex
Cooperative society	0	1	1
Grameen bank	0	1	1
ASA	0	3	3
BRAC	0	2	2

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

Institutional and non-institutional sources of borrowing and saving

Sources	Numbers [*]	Amount (Tk/hh)	Annual interest rate (%)
A) Borrowing			
NGOs	5 (11.63)	1674	14.00
Friends & relatives	5 (11.63)	21070	60.00
B) Saving			
Bank	18 (41.86)	14708	-
Cooperatives	1 (2.33)	81	-
NGOs	7 (16.28)	435	-

*Figure in the parenthesis indicates percentage of total.

H) INFRASTRUCTURE AND ACCESSIBILITY

Nearest market place (Name & distance)	:	Patordia; 0.25 km
Distance from the village market to Upazila market (km)	:	9
Distance from the village market to district market (km)	:	30
Mode of transportation	:	Rickshaw, CNG, Auto
Number of primary schools	:	2
Number of high schools	:	Nil
Number of colleges	:	Nil
Total number of shops in the village	:	58
Number of rice husking mills in the village	:	Nil
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	:	100

Others business units in the village (unit in numbers)

Grocery Shop	:	22	PDS Shop	:	0	Hotel/Canteen	:	9
Meat Shop	:	3	Carpenter	:	0	Blacksmith	:	0
Medical Shop	:	5	Mason	:	15	TV/Radio Mechanic	:	1
Money Lenders	:	3	Cold Storage	:	0	Milk Dairy	:	0
Cobbler	:	0	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	-	-
Fertilizer	Yes	-	-
Pesticide	Yes	-	-
Machinery-purchase	Yes	-	-
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	41	95.35
Toilet facility	Yes	41	95.35
Bathroom facility	Yes	20	46.51
Tap water connection	Yes	3	6.98
Village electrification	Yes	41	95.35
Dish connection/TV cable	Yes	5	11.63
Cooking gas facility	Yes	1	2.33

Access to sources of information of the sample households

Sources of information	Numbers (Index)	Rank
Block supervisor/union agri. officer	5.67	3
Community leaders	3.36	5
Input supplier	6.13	2
National news paper	0.11	8
NGOs	0.45	6
Relatives, friends and neighbors	7.73	1
Television	5.67	3
Village panchayat/leader (Chairman)	0.36	7

I) GOVERNMENT WELFARE PROGRAMS

Access to social safety nets programs of the sample households

Government program	Beneficiaries [*]	Average amount (Tk/year/hh)
Family planning	6 (13.95)	208
Old aged pension	3 (6.98)	2700
Physically handicapped pension	1 (2.33)	3600
Widow pension	2 (4.65)	3600
Scholarships and economic assistance	9 (20.93)	1925
Free health camps	10 (23.26)	192
Vulnerable group development (VGD)	2 (4.65)	3300

*Figure in the parenthesis indicates percentage of total household.