

# Chapakharka Village

Environment	Economic	Social
<div>Water Availability</div> <div>Effective mobilization of natural water through canals / pipes</div>	<div>Economic Wellbeing</div> <div>Better access to development infrastructure such as electricity and drinking water</div>	<div>Community Support</div> <div>No significant changes to community-based support</div>
<div>Soil Quality</div> <div>Sporadic use and attitudes towards the use of chemical fertilizers</div>	<div>Access to Food</div> <div>Sufficient access to markets to buy food for consumption</div>	<div>Outside Support</div> <div>Lack of governmental and institutional extension services</div>
<div>Crop Yields</div> <div>Extreme decline of yields because of wild boars and soil degradation</div>	<div>Market for Selling</div> <div>Lack of interest for commercial farming</div>	<div>Farming Knowledge</div> <div>Open to new technology for farming (such as power tiller)</div>
<div>Urban Changes</div> <div>Positive response to urban changes such as roads and modern houses</div>	<div>Farming Costs</div> <div>Increased farm costs due to higher wages</div>	<div>Future of Farming</div> <div>No future potential because of limited profit and land availability</div>

# Response to Survey

Population: 200  
Farming: approx. 50

Farmers Surveyed: 18 (36%)

1	Very Good	2	Good	3	No Change	4	Bad	5	Very Bad
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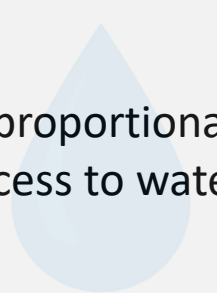
Water Availability	Soil Quality	Crop Yield	Urban Changes	Economic Wellbeing	Access to Food	Market for Selling	Farming Costs	Community Support	Outside Support	Knowledge in Farming	Farming as a Job
3	2	5	2	1	3	3	4	4	4	2	5
2	2	4	1	1	2	3	3	3	3	2	5
3	3	5	2	2	2	2	4	4	5	4	4
3	2	4	3	1	2	3	4	4	3	3	5
2	3	4	2	2	2	3	4	3	4	4	4
2	3	5	1	2	3	3	4	3	4	2	5
2	4	5	2	2	2	2	4	3	4	3	3
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2	4	5	1	1	2	3	4	3	4	4	5
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2	3	5	1	1	3	2	3	3	4	3	3
2	2	4	2	2	2	3	4	4	4	4	4
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2	3	4	1	2	2	3	4	4	3	2	5
2	2	4	2	2	2	3	4	3	4	2	5
2	4	5	1	1	3	3	4	4	4	4	4
2	4	5	2	1	2	3	4	3	5	2	5
2	3	5	1	1	3	3	4	3	4	4	5

# Shantiban Village

## Environment

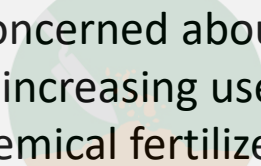
### Water Availability

Disproportionate access to water



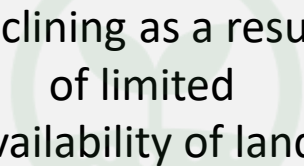
### Soil Quality

Concerned about the increasing use of chemical fertilizers



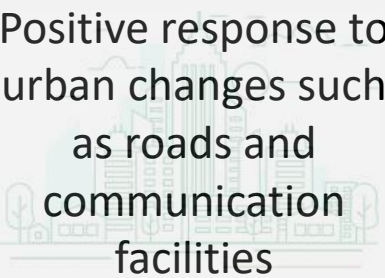
### Crop Yields

Declining as a result of limited availability of land



### Urban Changes

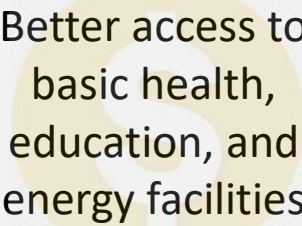
Positive response to urban changes such as roads and communication facilities



## Economic

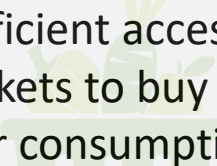
### Economic Wellbeing

Better access to basic health, education, and energy facilities



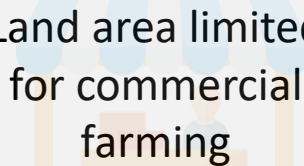
### Access to Food

Sufficient access to markets to buy food for consumption



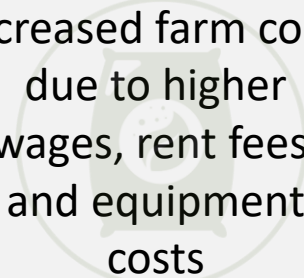
### Market for Selling

Land area limited for commercial farming



### Farming Costs

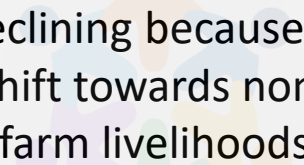
Increased farm costs due to higher wages, rent fees, and equipment costs



## Social

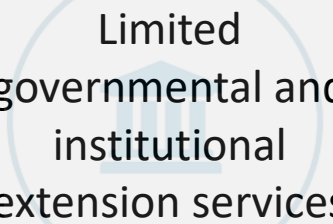
### Community Support

Declining because of shift towards non-farm livelihoods



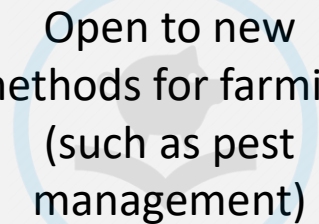
### Outside Support

Limited governmental and institutional extension services



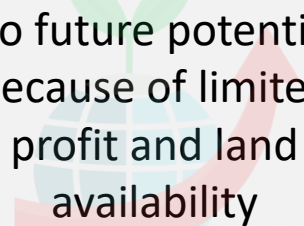
### Farming Knowledge

Open to new methods for farming (such as pest management)



### Future of Farming

No future potential because of limited profit and land availability



# Response to Survey

Population: 600  
Farming: approx. 150

Farmers Surveyed: 17 (11%)

1	Very Good	2	Good	3	No Change	4	Bad	5	Very Bad
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	Water Availability	Soil Quality	Crop Yield	Urban Changes	Economic Wellbeing	Access to Food	Market for Selling	Farming Costs	Community Support	Outside Support	Knowledge in Farming	Farming as a Job
	2	3	3	1	1	2	3	3	4	4	2	4
	2	5	5	4	2	3	2	4	4	4	4	5
	4	3	3	2	2	3	3	4	3	3	2	4
	4	2	4	2	1	4	3	4	5	5	4	3
	2	3	4	2	2	2	3	3	3	4	2	4
	3	3	4	1	2	2	3	3	2	3	2	5
	4	3	5	2	2	3	3	4	3	4	3	5
	2	4	5	4	2	3	3	4	3	4	4	4
	4	3	4	2	1	3	3	4	4	4	4	5
	4	4	4	2	1	2	3	4	2	3	3	5
	4	4	3	1	1	4	3	3	3	4	1	5
	3	5	4	1	2	3	3	3	3	4	4	4
	4	3	3	2	2	3	3	3	3	2	4	4
	3	3	3	1	2	2	3	4	2	3	2	4
	2	4	4	3	2	2	2	3	4	4	2	5
	4	5	4	2	1	2	3	4	4	3	2	5
	3	4	3	2	1	2	2	4	3	2	2	3

# Sisneri Village

Environment	Economic	Social
<div>Water Availability</div> <div>Disproportionate access to water</div> 	<div>Economic Wellbeing</div> <div>Better access to basic health, education, and energy facilities</div> 	<div>Community Support</div> <div>Declining because of a lack of engagement in farming</div> 
<div>Soil Quality</div> <div>Mixed use of organic and chemical fertilizers</div> 	<div>Access to Food</div> <div>Increased number of local markets</div> 	<div>Outside Support</div> <div>Inadequate support and response from government</div> 
<div>Crop Yields</div> <div>Mixed results due to different approaches soil management</div> 	<div>Market for Selling</div> <div>Few farmers engaged in commercial farming</div> 	<div>Farming Knowledge</div> <div>Skeptical about modern agricultural innovation (pesticides / chemical fertilizers)</div> 
<div>Urban Changes</div> <div>Concerned about urban pollution and unmanaged urban sprawl</div> 	<div>Farming Costs</div> <div>Increased farm costs due to higher wages, rent fees, and equipment costs</div> 	<div>Future of Farming</div> <div>No future potential because of inadequate policy support</div> 

# Response to Survey

Population: 400  
Farming: approx. 100

Farmers Surveyed: 18 (18%)

1	Very Good	2	Good	3	No Change	4	Bad	5	Very Bad
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Water Availability	Soil Quality	Crop Yield	Urban Changes	Economic Wellbeing	Access to Food	Market for Selling	Farming Costs	Community Support	Outside Support	Knowledge in Farming	Farming as a Job
2	2	3	5	1	2	2	4	5	4	2	5
4	3	2	4	2	2	3	3	4	3	4	5
2	4	3	4	2	2	3	4	4	4	4	5
2	4	3	5	2	2	2	3	4	5	5	5
2	3	2	3	1	2	3	4	3	3	2	4
4	4	3	2	2	3	3	4	3	3	4	4
4	2	4	4	2	2	2	3	2	3	4	5
3	3	2	4	1	2	3	4	3	3	5	4
4	2	2	4	2	2	3	4	4	4	4	5
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3	2	3	4	1	2	3	4	2	4	4	4
4	4	4	5	2	2	3	4	3	5	5	5
3	2	2	4	2	3	3	4	4	4	4	5
4	3	3	2	2	3	2	3	3	4	4	4
2	4	3	4	2	3	3	3	4	4	5	5

# Khokana Village

## Environment

### Water Availability

Good because of natural water and irrigation cannels

### Soil Quality

Mixed use of organic and chemical fertilizers

### Crop Yields

Decreasing because of limited engagement of farmers

### Urban Changes

Concerned about unplanned urban sprawl

## Economic

### Economic Wellbeing

Better access to basic health, education, and energy facilities

### Access to Food

Increased number of local markets and food options

### Market for Selling

Few farmers engaged in commercial farming

### Farming Costs

Farmers willing and able to invest in new agricultural methods

## Social

### Community Support

Declining because of a lack of interest from new generation

### Outside Support

Training support from government for compost fertilizers and seed management

### Farming Knowledge

Unsure about the effectiveness of modern farming practices

### Future of Farming

No future potential because of a lack of interest from younger generations

# Response to Survey

Population: 1500  
Farming: approx. 200

Farmers Surveyed: 15 (7.5%)

1	Very Good	2	Good	3	No Change	4	Bad	5	Very Bad
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	Water Availability	Soil Quality	Crop Yield	Urban Changes	Economic Wellbeing	Access to Food	Access to Markets	Farming Costs	Community Support	Outside Support	Knowledge in Farming	Farming as a Job
	4	3	3	4	1	2	3	4	3	3	4	4
	3	2	3	1	1	2	3	3	4	3	4	4
	2	3	3	4	2	3	3	2	2	2	4	5
	2	4	4	4	2	2	2	3	3	2	3	5
	2	4	3	3	2	2	3	3	4	2	5	4
	2	2	4	3	2	3	3	4	3	3	2	3
	2	4	4	2	1	2	3	3	3	4	3	5
	2	2	4	3	2	2	3	4	4	2	4	4
	3	3	4	4	1	2	2	3	4	3	4	5
	2	3	3	2	2	2	3	3	2	3	3	4
	2	3	4	1	2	2	3	4	3	2	3	5
	3	3	3	4	2	2	3	4	4	3	3	5
	2	4	3	4	2	2	2	2	2	4	4	5
	3	4	4	2	2	2	3	3	4	2	3	4
	2	3	3	4	2	3	3	4	4	2	3	5



# Tokha (Tunnel Farms)

## Environment

### Water Availability

Adequate water through external sources such as wells and water tankers

### Soil Quality

Good because of the use of only organic fertilizers

### Crop Yields

Good for selective market-oriented crops (tomato, cucumber, off season vegetables)

### Urban Changes

Concerned about land fragmentation

## Economic

### Economic Wellbeing

Better financial security and opportunities

### Access to Food

Adequate availability of diverse food

### Market for Selling

Increasing because of a rise in demand for organic vegetables

### Farming Costs

Manageable farming costs due to collaborative investments

## Social

### Community Support

Good support from community members

### Outside Support

Lack of governmental support for organic farming and costs

### Farming Knowledge

Content with the use of poly-house technology

### Future of Farming

Potential for commercially focused organic tunnel farming

# Response to Survey

Population: 2000  
Tunnel Farms: approx. 30

Farms Surveyed: 10 (33.3%)

1	Very Good	2	Good	3	No Change	4	Bad	5	Very Bad
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Water Availability	Soil Quality	Crop Yield	Urban Changes	Economic Wellbeing	Access to Food	Market for Selling	Farming Costs	Community Support	Outside Support	Knowledge in Farming	Farming as a Job
1	2	2	4	2	2	2	2	3	4	1	2
1	1	2	3	1	2	2	3	2	3	2	2
1	1	2	4	1	2	2	3	3	4	2	2
1	2	2	3	2	2	2	3	2	2	1	2
1	1	2	4	1	2	2	3	2	2	2	2
1	2	2	5	1	2	1	2	2	4	1	2
1	2	2	4	2	2	1	2	1	4	2	2
1	2	2	4	1	2	2	2	1	4	1	2
1	2	2	3	2	2	1	1	1	2	2	2
1	1	2	3	1	2	1	1	1	2	1	2