

Appendix –I

PROFILE OF BARPETA DISTRICT

Important features of the district are as follows –

Geographical Area	: 3307 sq.km.
Location	: Latitude - 26° 19' N
	: Longitude – 91° 01' E
Total Population as far 2001 Census	: 16,47,201
	Male : 184,8578
	Female: 798,623
Urban Population	: 1,26,868
Rural Population	: 15,20,333
Population density for sq.kms.	: 506
Total no. of villages	: 1030 inhabited
	: 51 uninhabited
Gross cropped area	: 2,68,968 ha
Net cropped area	: 1,81,230 ha
Area cropped more than once	: 1,31,733 ha
Cropping intensity	: 150.51percent
No. of Civil Sub-division	: 2
	(i) Barpeta ; (ii) Pathsala (Bajali)
No. of Agricultural Sub-division – 3.	
	(i) Barpeta ; (ii) Pathsala ; (iii) Aloputy Major Char
No. of Blocks	: 12

1. Jalah Dev. Block
2. Bajali Dev. Block
3. Gobardhana Dev. Block
4. Bhabanipur Dev. Block
5. Chakchaka Dev. Block
6. Ruposi Dev. Block.
7. Pakabetbari Dev. Block

8. Barpeta Dev. Block
9. Sarukhetri Dev. Block
10. Mondia Dev. Block
11. Gomaphulbari Dev. Block
12. Chenga Dev. Block.

Total No. of Farm Family (under Agr. Sub-division)

	Barpeta	Pathsala	Total	Percent
(a) Small	40341	33241	73582	40.6
(b) Marginal	38590	26841	65431	36.10
(c) Big	9257	10536	19793	10.98
(d) Landless	11051	11348	22399	12.36
Total		99239	81966	181205

Size of Land holding

	No.	Area (ha)
> 1 ha	85909	44432
between 1 and 2 ha		45388
Above 2ha	20923	58307

Source : Status Report prepared by Agr. Office, Barpeta

Towns of Barpeta District and their Population (2001 Census)

	Population
1. Barpeta (M.B)	41,038
2. Barpeta (M.B.)	35,725
3. Sorbhog (T.C.)	7,687
4. Howley (T.C.)	16,730
5. Pathsala (T.C.)	9,974
6. Bahari (T.C.)	8,086
7. Sarthabari (T.C.)	7,628

N.B. : M.B. – Municipal Board, T.C.= Town Committee

Source : Census of India, 2001.

No. of Bank	: 12
No. of Bank Branches	: 67
No. of Hospital	: 5
No. of Pr. Health Centre	: 41
Dispensaries	: 20
Hospital	: 308
Rural welfare flanning center	: 9
Sub centers	: 351

Source : Statistical Handbook 2001

Educational Institution in Barpeta District (2001 Census)

Institutions	Nos.
1. Pre Primary	17
2. Non Farmal Education Centre	896
3. L.P.School	1839
4. M.V.School	40
5. M.E and Madrasha	538
6. High and High Madrassa	289
7. Higher Secondary	42
8. College	29 (Provision for P.G.Class in 3 Colleges)
9. ITI	1
10. Diet	1
11. Normal School	1
12. Basic Training School	2
13. Teachers Training School	2
14. Novoday Vidyalaya	1
15. Sanskrit Tol	3
16. Education Block	8

Source : Statistical Handbook, 2005, Assam.

Revenue Circle

	Households	Popn.
1. Barnagar	8159	43412
2. Kalgachia	24515	148199
3. Baghbar	48478	295402
4. Barpeta	63081	356686
5. Sarthabari	28620	163968
6. Bajali	18324	99540
7. Sarepeta	29891	163514
8. Jalah	17928	96337
<u>Barpeta District</u>		<u>238996</u>
		<u>1367058</u>

Source : District , PCA, Barpeta District Dev. Branch, D.C.'s Office, Barpeta.

Appendix II**BLOCK WISE POPULATION**

Sl.No.	Name of Blocks	Population
1.	Jalah Dev. Block	157337
2.	Bajali Dev. Block	134025
3.	Gobardhana Dev. Block	172797
4.	Bhabanipur Dev. Block	128339
5.	Chakchaka Dev. Block	90223
6.	Ruposi Dev. Block.	126983
7.	Pakabetbari Dev. Block	119890
8.	Barpeta Dev. Block	146735
9.	Sarukhetri Dev. Block	14769
10.	Mondia Dev. Block	278941
11.	Gomaphulbari Dev. Block	58838
12.	Chenga Dev. Block.	85300

Source : Rural Primary Census Abstract (PCA), 2001

DC's Office (Dev. Branch), Barpeta.

Deputy Director of Economic and Statistics, Barpeta.

Appendix III

A PROFILE OF SURVEY VILLAGES

Sl.No.	Name of Villages	No. of Household	Popn./Block	
1.	Keotkushi Dev.Block	534	2813	Barpeta
2.	Balartary	246	1286	
3.	Betbari Pathar	209	1211	Paka Betbari “ “
4.	Khabler Bhitha	454	2532	
5.	Kalbari “	358	1734	Bhawanipur “
6.	Banglipara	230	1160	
7.	Gahekhanda “	223	1178	Gobenanda “
8.	Bennibari	171	369	
9.	Pub Khagrabari	447	2429	Jalah Dev. Block
10.	Bhebla	143	753	
11.	Upparnai Block	208	1332	Bajali Dev.
12.	Titka Taze	160	956	

Source : Rural Primary Census Primary Abstract (PCA), 2001.

DC's Office (Dev. Branch), Barpeta.

Topography

The topography of the district is generally plain but uneven. Only Baghbar hill is situated at Mandia Development Block but foothills of Baghbar hill is very low due to erosion of land by the mighty river Brahmaputra flowing through this district and its tributaries namely Beki, Manas, Polla, Pahumara, Kaldia and Tihu are also flowing through this district. The rivers Kaldia and Tihu meet with Pahumara river.

Soils : Soils of the district consists of alluvial soil and old alluvial soil which is towards the foot hill of Bhutan in the North soils near the foot hill of Bhutan is clay, silty and acidic (soil pH 6.5) but in the Southern part of the district soil is sandy loam. About 29,111 hectre chronically flood affected area in the district.

Climate : The climate of the district is moderate during the Winter season and very hot in Sumner. The average temperature varies from 12°C to 33°C and starting raining from April and end in the month of August attains maximum temperature. Monsoon appears from the month of April. The heaviest rainfall occurs from the month of November to March the district of Barpeta receives scanty rainfall. It experiences generally 1500 mm to 2700 mm rainfall in a year.

(Source : Status report prepared by Agr. Office, Barpeta).

Appendix IV

STATE LEVEL COMPARISON OF AGRICULTURAL
LABOURERS

Sl.No.	Name of State	1961	1971	1981	1991	2001
1	Andhra Pradesh	5336494	6828685	11745705	11625159	9823264
2	Assam	187416	405998	NA	844964	636351
3	Bihar	4418475	6806103	10560202	9512892	9020151
4	Gujrat	1252000	1887660	3592567	8230547	3048713
5	Himachal Pradesh	11332	53344	60645	58668	36156
6	Karnataka	1761110	2717537	5037967	4999959	3783852
7	Kerala	978396	1908114	2515237	2120452	1021559
8	Madhya Pradesh	2815200	4062338	7754733	5863029	3880905
9	Nagaland	2501	3797	3940	7233	12059
10	Manipur	2184	13525	33033	47350	41819
11	Meghalaya	N.A.	44131	106258	89492	94938
12	Maharashtra	4610002	5393138	8565335	8313223	7641219
13	Orissa	1303511	1937574	4034880	2976750	2098158
14	Rajasthan	393631	749116	1216991	1391670	1008417
15	Sikkim	2230	4207	5920	12251	9081
16	Tamilnadu	2828374	4490065	8688431	7896295	6062786
17	Tripura	NA	86340	233701	187538	168619
18	W. Bengal	1771708	3272198	6025574	5055478	4522934
19	Uttar Pradesh	3261178	5453829	7779992	7833258	5956547
20	Haryana	NA	NA	955409	896782	607871
21	Jammu and Kashmir	18417	41933	77637	NA	103089
22	Punjab	543795	786705	1092225	1452828	1057622
	INDIA	31521641	47963590	80923962	74597744	63497114

N.A. - Not available

Source: Census of India 1961, 1971, 1981, 1991 and 2001, Part II(A)

(ii) Union Primary Census Abstract, Part II B; (ii) Primary
Census Abstract, Series 2, Final Population Table Paper 2
of 1992 Series.

Appendix V

**CONSUMER PRICE INDEX NUMBER FOR AGRICULTURAL
LABOURERS IN ASSAM**

(Base 1986-87 = 100).

Year/Month	Index Number (Gen.)	Food (Group)
2001 (Annual Average)	321	314
2002 (Annual Average)	324	314
2002, January	329	310
February	317	306
March	319	307
April	319	308
May	320	310
June	322	311
July	323	312
August	328	319
Sept.	331	322
October	332	323
November	331	322
December	329	318

Source : Labour Bureau, Govt. of India, Statistical Handbook, Assam, 2004.

Female

Total=

21. (a) Since when in the respondent in his present occupation:
 (b) Reasons for shifting in the present occupation :

Landholding

22. Amount of land possessed by the Respondent (in bighas) :
- (i) Owned
 - (ii) Leased in
 - (iii) Leased out
 - (iv) Size of operational holding
23. If land is mostly leased in :
- (a) Does the Respondent or any other member of his family work as a casual labour for the landlord
 - (b) Does he have his own bullock and plough ? Yes/No
 If yes, does he ever hire out his bullock and plough :
24. Does the landlord share in his costs of seeds fertilizers, etc ? (specify)
25. How the produce is shared ? (Specify)
26. Does he at any time find it necessary to hire labour in his own farm?
 Yes/No.
 If yes, does he pay hired labourers of the ruling wage rate ? Yes/No , If not why ?

Employer-Employee Relationship

27. Do you work as an individual labour or group labour ?
 (a) Individual (b) Group
28. If answer Q. No.27 is (a) What is the duration of work (contract)
 (a) Day (b) Month (c) Monthly (d) Period of particular operation (e) year.
29. What is the basis of wages payment ?
 (a) Hourly (b) Daily (c) Price rate (d) Product share
30. How frequently wage payment is made
 (a) Daily (b) Weekly (c) Monthly (d) Yearly (e) Others
31. What is the medium of payment ?

- (a) Cash (b) Kind (specify) (e) Cash and kind (specify)
32. How long are you working with the present employer ?
- (a) Last few days
(b) Last few months (specify)
(c) Last few years (specify)
33. If answer Q. No. 32 is (b) and (c) then, state why you are working with the present employer for a long time.
- (a) Past debt
(b) Past/current consumption loan
(c) Land given by the employer
34. Are your hours of specified or unspecified ?
- (a) Specified : fully/partially
(b) Unspecified : Fully/partially (c) Mixed
35. Do any other member of your family work in the same employer's form ? Yes/No.
36. If yes, Are the terms and conditions of work same or different ? Give details.
37. Do you have freedom to work for different employers.
- (a) Full freedom (Sl. No. freedom at all)
(b) Conditional/Restricted freedom (specify)

Income of Agricultural Labourers

38. As Agricultural labourer/Agr. Marginal labourer, how much does the respondent and his family members get currently ?

Operation	Working day/hour	Wages				
		Male		Female		Children
Kind		Cash	Kind	Cash	Kind	Cash
Daily						
Ploughing						
Sowing						
Transportation						
Harvesting						
Carrying						

Storing

Cowharding

Others

- (ii) Reasons for wage differentials among male, female and child labour, give details.
- (iii) Wages for long duration contact (for attached/semi attached labour):
- (a) Cash (Rs.) :
 - (b) Paddy/Wheat (Rs.)
 - (c) Meals and others :
 - (d) Cloths
- (iv) Other sources of income (in Rs.) A Monthly Annually (Non Labour)
- (a) Sale of agricultural produce
 - (b) Sale of craft items
 - (c) Sale of fruits
 - (d) Sale of fish
 - (e) Sale of Molk
 - (f) Sale of eggs and poultry
 - (g) Remittances from relatives
 - (h) Others (specify)
- (v) Horticulture (Production from orchard) last year

Sl.No.	Name of crops	No. of trees	Production	Home consumption	Sale	Total(Rs.)
1.	Tamol					
2.	Pan					
3.	Coconut					
4.	Banana					
5.	mango					
6.	VegeTables					
7.	Pineapple					
8.	Lemon					
9.	Orange					
10.	Others					

(iv) Forest product (own) : Last year

Sl.No.	Name	Area	Expenditure	Disposal	Value	Remarks
1.	Tatch					
2.	Bamboo					
3.	Timber					
4.	Fire wood					
5.	Cane					

(vi) If any other member of the family work outside the agricultural sector within the village, record the total earning (Rs.)

(vii) If any member of the household works outside the village record the details of the employment and total earnings (in Rs.)

39. Non Farm Labour

Do you sometime get employed in non-farm activity ? Yes/No, if yes

(a) where ?

(i) Within the village ?

(ii) Outside the village ?

(b) What type of non farm employment do you get ?

(c) What are the wages ? (specify activity wise)

(d) How many days in a month/year you get non farm employment? (Specify activity wise/month wise)

(e) State of non-farm employment in respect of family members.

40. Does any member of the family migrated outside in the last two years – Yes/No

(a) If yes, where and what employment

(b) Nature and conditions of employment

(c) Temporary/Semi-permanent/Permanent

(d) Wages received per day/per month/per year

(e) Amount quarterly/half yearly/yearly

(f) Mode of remittance

(g) Any other information regarding migration (note details)

41. (a) Current total earning (in Rs.) of the household by selling labour

(b) Current total earning (in Rs.) of the household from all sources (labour plus non labour).

42. As wage received by the respondent or his family members this year the same as those received by him last year ? If no , how has the change come about ?
43. If there is any variation in wages over years over years, give details.
44. (a) Does the respondent know about the minimum wage rate declared by the govt.
 (b) Whether the respondent gets the current minimum wages fixed by the govt. yes/no. If no what are the reasons ? (Specify).

Indebtedness

45. Has he taken loan this year (not in terms of labour) Yes/No. If yes.
- (a) When ?
 - (b) For what purpose ?
 - (c) From whom ?
 - (d) How much ?
 - (e) In what form /
 - (f) Terms of repayment
 - (g) Where will he get he means to repay it ?
 - (h) Did he give any mortgages ? If so, give particulars.
 - (i) Does he has to pay any interest.
 - (j) Whether the loan was of short term or of long term.
46. Has he respondent taken any loan against labour ? If yes, give particulars: Yes/No.
- (i) When taken ?
 - (ii) From whom taken ?
 - (iii) How much ?
 - (iv) In what form ?
 - (v) What is the repayment contract ?
 - (vi) Did he give any mortgages ? If so, give particulars.
 - (vii) Does he have to pay any interest ? If yes, specify.
 - (viii) How it has to be repaid ? Cash or labour ?

LIVING CONDITIONS

53. A. Consumption Pattern

(a)

Food grains	Quantity (weekly)	Home Produced	Purchased	Prices (in Rs.)	Expenditure
Rice					
Wheat					
Maize					
Bazra					
Pulses-peas, beans					
Mug					
Masur					
Arhar					
Matikala					
Potato					
Sweet potato					

- b) Foodgrains received as wages in kind
- c) Condiments and spices
- d) Fruits
- e) VegeTables
- f) Milk
- g) Edible Oil
- h) M. Oil
- i) Sugar
- j) Meat
- k) Eggs
- l) Fish
- m) Tea leaves

- n) Biscuits bread, sweets
- o) Tobacco
- p) Liquor
- q) Fuel
- r) Light
- s) Cloths (Annual)

Gamocha

Dhoti

Shirt

Pant

Mekela Chadar (traditional dress)

Blouse

Bed cover/Bed sheets etc.

t)

Footwear	Quantity	Prices	Expenditure		
			Monthly	Annual	Total

- u) Washing and toilet articles

Sub total Expenditure :

B. Durables (Annual expenditure)

- i) House construction or addition of rooms or major repairs
- ii) Radios, Transistor, Tape Recorder
- iii) TV
- iv) Watches and Clocks
- v) Electric fan
- vi) Sewing machines
- vii) Clocks
- viii) Quilts
- ix) Utensils
- x) Bicycles

C) Services (Annual expenditure)

- i) Education

- ii) Health cares
 - iii) Conveyance
 - iv) Entertainment
 - v) Others
 - vi) Marriages and other ceremonies
- Sub-total expenditure
Total expenditure

54. Asset Holding position

Household Durable Assets	<u>Number</u>	<u>Value</u>
a) Dwelling House		
b) Radio/Transistor		
c) Watches and Clocks		
d) Electric Fan		
e) Sewing Machine		
f) Cots		
g) Beddings		
h) Furniture		
i) Utensils		
j) Bicycle		
k) Wooden and steel boxes		
l) Irrigation pumpsets		
m) Handloom		
n) Other assets		
B) Livestock assets	Number	Value
i) Cows in milk		
ii) Cows not in milk		
iii) Young stock of cattle		
iv) Buffallowes in milk		
v) Buffallowes not in milk		
vi) Young stock of Buffaloes		
vii) Goats		
viii) Sheeps		

- ix) Pigs
- w) Poultry birds
- x) Ducks

55. Liabilities

- i) Outstanding loan
- ii) Current loan
- iii) Production
- iv) House construction, addition of rooms and major repairs
- v) Consumer goods
- vi) Health care (Medicine etc)
- vii) Marriages and social ceremonies
- viii) Repayment of old debt

56. Any other information

Appendix VIB

CULTIVATOR QUESTIONNAIRE

1. Serial number of Household
2. (a) Name of Head of Household
(b) Name of the Respondent
3. Type of Household/Absentee landlord/gentleman/farmer/others
4. Landholding (in bighas)
 - (a) Own land
 - (b) Leased in land
 - (c) Leased out land
 - (d) Size of operational holding
 - (e) Total cultivable land (own land)
 - (f) Total uncultivable land
 - (g) Cultivable fallow land
 - (h) In case land is leased in
 - (i) Is land easily available for leasing ? Yes/No
 - (ii) What is the tenancy arrangement in terms of :
 - (a) Output sharing /mixing rent/crop sharing
 - (b) Cost sharing
 - (c) Duration of contract
 - (d) Who takes decisions about crop, quantum of inputs etc?
Owner/Tenant/Jointly
 - (e) If some investments are made on the land, who takes decision ? Who bears the cost ?
 - (f) What happens in the case of crop failure ?
5. In case land is leased out
 - (i) Why do you lease out ? (Give details)
 - (ii) What is the tenancy arrangement regarding output sharing and cost sharing ?

6. Do you practice crop rotation ? (Give details)
7. Do you practice multiple cropping ? Yes/No. [If yes, since how many years, in what amount of land etc.] (Give details)
8. Irrigation
 - (i) Do you provide adequate irrigation to your crops ?
 - (ii) What is your source of irrigation?
 - (iii) How much area is irrigated (in bighas) ?
 - (iv) Percentage of total land irrigated ?
 - (v) Important Rabi crops grown (give details)
9. Has your output per unit of land increased recently for any crop ? If yes, for which crop ?
10. Do you have attached servant ? If yes,
 - (a) No. of attached servant (s)
 - (b) What job do they perform ?
 - (c) How long have they been working for you ?
 - (d) What is their remuneration ? Cash
Kind
 - (e) Any other benefits apart from regular payment
 - (f) Are they indebted to you ? Yes/No
 - (g) Why did they take loan ?
 - (h) Do you charge any rate of interest ?
11. Do you rely mainly on hired labour for most of the agricultural operations ?
12. Do you use any family farm labour ? Yes/No. If yes, how much?
13. Has your labour demand increased in recent years ? Yes/No, If yes, why ?
14. (a) Is availability of labour a problem in the pick seasons ? Yes/No, If yes, why ? (Give details)
(Out migration to non-farm employment, overall increase in demand for labour in the region etc.).
(b) How do you solve the problem of scarcity of labour ? (Give details).
15. How do you fulfill the requirement for extra labourer during peak seasons ? Explain the mechanism in detail.

16. Do you notice any change in the attitude of labourers in this village ? (Give details)
17. What wages did you pay to the casual labourers in the last season ?

Operation	Working Hours	Male		Female		Child	
		Cash	Kind	Cash	Kind	Cash	Kind
Ploughing							
Sowing							
Transplantation							
Harvesting and Carrying							
Threshing							
Cow herding							
Watching							
Spadework							
Others (mention)							

18. Is there a seasonal variation in the wages ? Yes/No, If yes, why ? (Give details)
19. How does a change in wages come about ?
20. What are the major running expenses of your family?
Consumption
Education
21. Have you availed of the borrowing facilities from the banking system ?
22. Has the condition of your family improved in recent times ?
Yes/No. If yes, how ? If not, why ?
23. (a) Have you been using HYV ? (Give details)
(c) Have your requirement for hired casual labour increased after the introduction of HYV crops ? Yes/No.
If yes, by how much per season/year ?

24. Are you practicing crop diversification over the last 5 years ?
Yes/No. If yes,
 - a) Cropping pattern five years ago
 - b) Cropping pattern at present
25. Do you apply adequate dosage of fertilizer, pesticides etc ?
Yes/No. If not, why? Explain in detail.
26. Have you invested in any agricultural implements ? Yes/No. If
yes, give details.
27. Have you made any major investment for the improvement of
agriculture ? Yes/No. If yes, give details.
28. Did any agricultural extension worker of the Government ever
visit to you ? Yes/No. Give details.
29. Are you aware of different Govt. programmes for farmers ?
Yes/No.
30. If yes, have you benefited from them ? Do you think these
programmes are useful ?
31. Are the prices for your produce remunerative ? Yes/No. State
crop-wise.
32. Have you lately shifted land from tenant cultivation to self-
cultivation with the help of labourers ? Yes/No. If so, why ?
33. Do you lent out money to parties other than your tenants, farm
servants or casual labourers ? Yes/No. (Give details) :

