

A P P E N D I X

- Year 2

Sl. No.	Type of Industries	Unit	% of Unit.	Employment	% of Employment
1.	Rice Milling	56	52.40	2201	54.04.
2.	Bread Baking	2	1.87	45	1.10.
3.	Mfg. of Food Products	1	0.93	16	0.39.
4.	Mfg. of Refining of Sugar Mill	1	0.93	455	11.18.
5.	Mfg. of Oil Mill	12	11.22	209	5.01.
6.	Mfg. of Cotton Spinning Weaving	1	0.93	-	-
7.	Mfg. of Reinforced & Laminated Elastic Sheets	1.	0.93	14	0.34.
8.	Mfg. of Polythen bags	1.	0.93	15	0.37.
9.	Mfg. of Chemicals	21	0.93	194	4.76.
10.	Mfg. of Basic heavy in organic Chemicals	1	-	-	-
11.	Mfg. of basic Heavy Organic Chemicals.	1	0.93	15	0.37.
12.	Mfg. of Organic fertiliser	1	01.87	44	1.08.
13.	Mfg. of Hair dressing Oil.	4	3.75	86	2.12.
14.	Mfg. of Vegitable Oils including Salvent extracted Oild	2	1.87	34	0.83.
15.	Stone Erushing	2	1.87	66	1.62.
16.	Mfg. of China	1	0.93	18	0.44.
17.	Al. Industries.	1	0.93	13	0.32.
18.	Mfg. of Asbestos Cement	1	0.93	58	1.43.
19.	Mfg. of Home Pipes & other Cement & Concrete products including slabs, Poles, Pillars & Screens)	4	3.75	176	4.32.
20.	Preyssient prefab Poles & Allied Concrete Products P.O. Patelnagore, Dt. Birbhum-	2	1.87	176	4.32.
21.	Mfg. of Navelities, Lumpsheds Presentation Articles & Badges ect.	1	0.93	12	0.29
22.	Cold Storage	1.	0.93	85	2.09
23.	Cold Storage	5	0.69	85	2.09
24.	Educational Services by technical or Vocational Calleges Schools & other institutions	1	0.93	16	0.39
25.	Electrical Repair Slaps	1	0.93	15	0.37
26.	Repair of Mator Vehicles Motor Cycles.	1	0.93	46	1.13

Agriculture Implements and Machinery.

<u>1) Hand Operated Implements</u>	
a) Seed cum Fertilizer Drill	103
b) Seed Drill	19
c) Chaff Cutter	174
d) Wheel hoe	272
e) Sprayer	1216
f) Duster	1870
g) Wooden Plough	1,06,676
h) Steel Soil String	27
i) Steel Soil Turning	16
j) Dis Borrow	13
<u>2) Animal Operated Implements</u>	
a) Cultivator Triphali	29
b) Seed cum fertilizer Drill	2
c) Seed Drill	7
d) Leveling Karah (Leveller)	27,472
e) Wet Land Paddler	71,498
f) Depead Thresher	1,03,920
h) Persion Wheel	9
i) Sugar Cane Crusher	876
<u>3) Plant Protection Equipments and Engine Etc.</u>	
a) Power Operated Spayer Duster	54
b) Diesel Engine Pumpset	7,444
c) Electric Pumpset	418
<u>4) Tractor, Power Tiller and other Implements</u>	
a) Power Tiller for April Purpose	44
b) Tractor used for April Purpose	59
c) Mould Board plough	61
d) Dis Harrow	14
e) Seed Drill	7
f) Trailer	10
<u>5) Thresher</u>	
a) Wheat	65
b) Paddy	2,027
c) Multicrop	1
d) Maize Sheller	12
e) Chaff Cutter	9
f) Sugar Cane Crusher	64

Source..... D.T.C (Birbhum)

TABLE -

MUSTARD SEED (BLOCK-WISE) (TOTAL PRODUCTION)

		<u>M/TON.</u>		
<u>Name of Block</u>		<u>1987</u>	<u>1988</u>	<u>1989</u>
<u>Suri Sadar Sub-division</u>				
Suri- I		1985	2088	1186
Suri- II		1927	2069	2219
Salithia		4089	4403	4882
Dubrajpur		3037	3332	3804
Khairasole		1635	1904	2092
Rajnagore		993	1071	1079
Md. Bazar		3153	3451	3550
Total		16818	18333	18811
<u>Bolpur Sub-division</u>				
Bolpore		3676	2887	3822
Ilambazar		2602	3154	3297
Lalpur		2714	2325	2198
Nanoor		2927	3037	1869
		11919	11403	11181
<u>Rampurhat Sub-division</u>				
Mayurnagar	I	5608	6455	8280
	II	1572	2025	2219
Rampurhat	I	6307	7140	7746
	II	5256	4615	4615
Nalhati	I	3971	3756	3227
	II	3037	3149	3159
Mufarej	I	8108	4887	4610
	II	2686	-	-
		30537/59274	38477/68213	40155/70147

MAIN ACTIVITIES OF POPULATION.

MAIN WORKERS.

DISTRICT/ POLICE STATIONS.	TOTAL POPULATION	TOTAL MAIN WORKERS	CULTIVATORS.	AGRICULTIVE LABOURS	HOUSEHOLD INDUSTRY MANF. PRO- CESSING SERVICING & REPAIRING.	OTHERS WORKERS	MARGINAL WORKERS.	NON & WORKERS.
Birbhum	2,095,629	589,230	223,444.	226,573.	21,337.	117,876	50,496	1,456,103.
Murari	208,843	57,956	20,423.	25,410.	3,004.	9,119	2,891	147,996.
Kolhati	209,832	57,121	24,424	20,151	2,011.	10,538	5,944	146,767.
Rampurhat	258,869	74,327	25,530	28,662	4,803	15,332	4,603	179,939.
Majumdar	187,727	55,578	25,183	22,983	1,498	5,934	2,979	129,170.
Mahamedbazar	92,853	29,725	10,604	13,196	761	5,154	3,613	59,525.
Rajnagere	54,139	15,094	6,505	4,872	947	3,070	3,188	35,887.
Koyrasole	100,817	25,238	11,150	7,288	1,117	5,713	4,771	70,808.
Dubrajpur	134,191	35,691	14,614	11,890	1,437	7,750	4,720	93,780.
Suri	156,576	43,408	10,411	15,059	1,172	16,766	4,368	108,600.
Illambazar	99,064	26,126	13,062	11,120	680	3,264	2,089	68,849.
Sainthia	153,399	44,433	14,038	17,845	1,469	11,081	2,982	106,014.
Bolpur	166,435	50,359	13,668	19,340	1,030	15,255	4,302	83,686.
Lalpur	130,132	33,566	16,185	13,359	814	4,198	2,156	94,410.
Nandoo	142,952	38,618	17,437	15,882	594	4,705	1,801	103,533.

Number of small scale Industrial Units registered with the Directorate of Cottage and small scale Industries with corresponding employment in the Districts of West Bengal.

Sl. No.	District	1979-80		1980-81		1981-82		1982-83		1983-84		Upto	
		Unit	Employment	Unit	Employment	Unit	Employment	Unit	Employment	Unit	Employment	(31.3.84)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Birbhum	551	4,419	553	5,061	880	6,662	772	5,525	726	6,456	7,306	54,771
	West Bengal	13,699	104,336	12,775	101,041	12265	91605	12213	97962	13,372	107,592	184,265	1,000,000

Source : Economic Review

Distribution of factories in
 Birbhum District, West Bengal.

State/District	Closed factory	Working factory	Total factory	Average daily No. of workers employed
West Bengal	478	8573	9051	889870
Birbhum	12	95	107	4073

ADMINISTRATIVE UNITS.

Sub - Division	-	3
Police Stations	-	14
C. D. Blocks	-	19
Panchayat Samities	-	19
Gram Panchayets	-	169
Mouzas	-	2472
Inhabited Village	-	2935
Municipalities	-	1
Notified Area	-	1

Population (1981 Census)

Total	-	20,91,730
Male	-	10,67,000
Female	-	10,27,434
Density of Population per Sq. K.M. -	460(W.B.- 614)	
Sex Ratio - 963 females per 1000 Males	(W.B.-911/1000)	
Decennial Population growth 1971-1981	- 17.95% (W.B.- 22.9%)	
Decennial Population growth 1961-1971	- 22.80% (W.B.- 26.8%)	
Literacy	- 33.80% (W.B.-40 .88%)	
Male Literacy	- 43.03% (W.B.- 50.49%)	
Female Literacy	- 24.21% (W.B.-30.33%)	
Percentage of workers to total Population	- 30.76% (W.B.- 30.98%)	
Percentage of Rural population to total	Population- 96.67% (W.B.- 73.51%)	
No. of Scheduled Castes	6,24,521	
No. of Scheduled Tribes	1,45,433	

VI. LAND USE

1.	Geographical Area 4,514 Sq.K.M.or4,45,220 Hectores.	
2.	No. of Mouzas	2472
3.	No. of Villages	2472 (2235)
4.	Net Cropped area	3,30,616 Hectores
5.	Area under Forest	15,870 Hectores
6.	Area under orchard	6,970 Hectores
7.	No. of Agricultural Families	1,27,974
	a) Marginal Fmg. Families	84,473
	b) Small Fmg. Families	28,151
	c) Big Fmg. Families	15,350
8.	Cultivable waste	2,000 Hectores
9.	Barren & Un-Cultivable Land	12,900 Hectores
10.	Area under non-agril. Use	90,670 Hectores
11.	Fallow Land other than current fallow	3,000 Hectores
12.	Current Fallow	2,000 Hectores
13.	Permanent Pastures	30 Hectores

XIII. TEMPARATURE AND HUMIDITY

Average of 30 years

Sl No	Month	Temperature in °				1983 Min.	Normal Max.	1983	
		Normal Max.	Min.	Max.	Min.			Max.	Min.
1.	January	25.3	12.7	23.1	8.6	64	83.7	43.3	
2.	February	27.8	14.5	26.6	17.9	54	75.3	38.5	
3.	March	34.0	19.7	34.5	18.2	45	60.8	25.7	
4.	April	38.9	24.0	35.5	17.0	43	64.7	38.3	
5.	May	39.4	26.0	34.0	20.0	59	85.5	63.0	
6.	June	35.3	26.0	55.7	26.4	76	84.3	57.1	
7.	July	32.3	25.5	33.2	25.9	84	89.5	70.7	
8.	August	32.1	75.6	31.9	25.8	84	91.1	76.4	
9.	September	31.7	25.2	31.7	25.3	83	92.3	77.5	
10.	October	30.9	22.6	30.1	22.9	76	77.7	62.4	
11.	November	28.3	16.8	28.8	11.0	64	77.9	43.5	
12.	December	25.7	14.3	24.5	11.0	63	78.3	44.7	

SOURCE : P. A. O. Birbhum

T A B L ERainfall and Distribution (in m. m.)

Sr. No.	Month	Normal rain fall average of 50 years	Seasonal rain fall average of 20 years	Average of 1967-1983	Normal
1.	January	10.4		9.6	33.0
2.	February	17.4	12.00	19.8	9.0
3.	March	18.7		26.8	20.0
4.	April	31.8		46.2	21.0
5.	May	96.6	128.00	69.2	62.0
6.	June	206.3		227.1	178.0
7.	July	295.7	1028.00	312.2	329.0
8.	August	307.0		335.2	372.0
9.	September	191.0		297.7	321.0
10.	October	93.9		102.5	152.0
11.	November	14.3		17.2	23.0
12.	December	2.3	23.00	5.8	3.0
Total		1285.4	1191.00	1469.3	1423.0

Normal Rainfall & Seasonal
Rainfall average 20 years.

World Agricultural census
1970--71 West Bengal.

(Source P A O - Birbhum)

XIII. ESTIMATE OF FOOD GRAIN REQUIREMENT, FOR TOTAL POPULATION, TOTAL PRODUCTION, TARGET ETC. FOR THE DISTRICT OF BIRBHUM

1984-85 1985-86 1986-87 1987-88 1988-89 1989-90

1. Total population actuals of 81 2207871 2245576 2283281 2320981 2358691 2398396
+ projection @ 18% per year
(decimal increase being 18%)

2. Food Grain need :

a) Consumption @ 600 gm 483524 491781 500039 508496 516553 525249
pc. pd. on an average MT MT MT MT MT MT

b) For exchange against other goods to support urban population @ 20% per capita per day e.g. @120 gms. p.c.p.d. 96705 98356 100008 101699 103310 105049
MT MT MT MT MT MT

c) Need for seed and normal wastage @ 10% p.c.p.d. e.g. @ 60 gm p.c.p.d. 48352 49178 50004 50849 51655 52524
MT MT MT MT MT MT

d) Total need , 628581 639315 650051 661044 671518 682822
MT MT MT MT MT MT

3. Actual production & target increase 5% year (Base 84-85) 691760 726348 760936 795524 830112 864700
MT MT MT MT MT MT

4. Total surplus (+)/deficit (-) +63179 +87033 +110885 +134480 +158594 +181878
MT MT MT MT MT MT

5. Calori available from cereals p.c.p.d. 2100 Cal. p.c.p.d.

SOURCE : District Action Plan 1981.

FUNCTIONS AND THE WEIGHTAGES FOR DIFFERENT CENTRES

Name of the place	Population	Growth Rate	Transport network	Other Infrastructure facilities	Markets	Industrial activity	Resource hinterland	External factors	Total weightage (points)	Ranking
5	3	13	8	3	14	3	1	50	2nd Order	
4	2	10	6	4	20	2	4	52	1st Order	
4	1	10	5	4	23	5	-	52	1st Order	
3	3	144	5	6	23	6	-	60	1st Order	
3	1	9	4	3	23	4	2	49	2nd Order	
2	1	14	4	3	12	4	-	40	2nd Order	
1	4	5	9	0	9	4	-	32	3rd Order	
1	2	8	6	1	6	2	-	26	3rd Order	

	Year	
	1981-82	1982-83
A. Sale of Electricity (in thousand K. W. H.)		
1. Domestic and residential consumption	2768	3250
2. Commercial Light and Power	3189	3617
3. Industrial Power	3352	4157
4. Public Lighting	284	338
5. Railway Traction	--	--
6. Irrigation	280	579
7. Public water works and sewerage pumping	189	205
B. Number of towns & villages electrified		
1. Town	7	7
2. Village	1258	1449

	Year	
	1981-82	1982-83
A. Sale of Electricity (in thousand K. W. H.)		
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XXIII. ESTIMATE OF FOOD GRAIN REQUIREMENT, FOR TOTAL POPULATION, TOTAL PRODUCTION, TARGET ETC. FOR THE DISTRICT OF BIRBHUM

	1984-85	1985-86	1986-97	1987-88	1988-89	1989-90
1. Total population actuals of 81 + projection @ 18% per year (decimal increase being 18%)	2207871	2245576	2283281	2320981	2358691	2398396
2. Food Grain need :						
a) Consumption @ 600 gm pc. pd. on an average	483524 MT	491781 MT	500039 MT	508496 MT	516553 MT	525249 MT
b) For exchange against other goods to support urban population @ 20% per capita per day e.g. @120 gms. p.c.p.d.	96705 MT	98356 MT	100008 MT	101699 MT	103310 MT	105049 MT
c) Need for seed and normal wastage @ 10% p.c.p.d. e.g. @ 60 gm p.c.p.d.	48352 MT	49178 MT	50004 MT	50849 MT	51655 MT	52524 MT
d) Total need	628581 MT,	639315 MT	650051 MT	661044 MT	671518 MT	682822 MT
3. Actual production & target increase 5% year (Base 84-85)	691760 MT	726348 MT	760936 MT	795524 MT	830112 MT	864700 MT
4. Total surplus (+)/deficit (-)	+63179 MT	+87033 MT	+110885 MT	+134480 MT	+158594 MT	+181878 MT
5. Calori available from cereals p.c.p.d.						
		2100 Cal. p.c.p.d.				

SOURCE : District Action Plan 1981.

T A B L E.

A G R I C U L T U R E .

Agricultural Production(1984 -85)

	Acreage in '000 hec	Production '000 M.T.
Paddy	336.52	829.00
Oil Seeds	48.02	39.52
Potato	9.75	150.27
Sugarcane	2.80	182.00

(Source P.A.O Bixbhum)

GROWTH CENTRE OF SERICULTURE IN BIRBHUM DISTRICT
OF WEST BENGAL

Sl. No.	Name of the District	Places
33	Birbhum	Bhadrapur (Nalhati II)
34		Nalhati I
35		Suri I
36		Dubrajpur
37		Mayureswar II (Katusur)
38		Mayureswar I (Balepur)

SOURCE : Sericulture in West Bengal at a glance, March 1986.

XXIX- ESTIMATION OF PRODUCTION OF COW MILK IN WEST
BENGAL DURING 1983-84

Estimated milch cattle (number)				Estimated cows in milk (number)			Estimated total milk production (.000 tones)
Cross Breed	Other Breed	Total	Cross Breed	Other Breed	Total		
1	2	3	4	5	6	7	8
Bir- 13,040	2,44,209	2,57,249		9,128	1,41,641	1,50,769	90,765
bhum							
West 421,007	39,36,408	43,57,415		273,799	20,42,722		17,73,476
						23,16,521	

SOURCE : Economic Review, District Action Plan 1986-87.

T A B L E.

PERSONS EMPLOYED IN VARIOUS RURAL
INDUSTRIES IN BIRBHUM DISTRICT- 1988.

BROAD INDUSTRY CLASSIFICATION =====	NUMBER OF UNITS SUR- VEYED. =====	NUMBER OF PERSONS EMPLOYED. =====
1. AGRO -BASED	72	67.28
2. FOREST BASED	5	85
3. TEXTILE BASED	1	N I L.
4. CHEMICAL BASED	10	336
5. FOOD PROCESSING BASED	3	61
6. Minerals Based	6	294
7. DEMAND BASED INDUSTRIES.	7	259
8. REPAIRING & MAINTANANCE BASED	2	61
9. Others.	1	16
TOTAL	107	4073

(SOURCE DIC - BIRBHUM)

TABLE -HANDLOOM INDUSTRIES

1.	Total No of Handlooms in the Birbhum District -	7173
2.	(a) Total No. Of Handlooms Under Co-operative fold -	3931
	(b) Total No.of Handlooms under active Co-op fold -	2806 (2806)
4.	(c) Total No. of Members actually working -	1400
3.	Total No.of active Co-operative Societies in the Birbhum District-	37
4.	Main area of concentration of Handloom weavers - Cotton - Labpur, Sainthia, Murarai-I, Murarai-II, Blocks Silm - Rampurhat I & II, Nalhati - I & II, Mayureswar II Blocks. Tantipara Village under Rajnagar Block.	

*(Source Handloom Dev. Office)

Investment particulars (in Rs. lakhs) Employment
 Plant & Land & Working Machinery Buildings Capital Total

I Agra Industries

Sl No	Industry	Capacity	Existing	Investment of the Mills	Employment
1.	Modernisation of rice mills	2 tonnes/hr. (4000 tonnes per year)	2.5	2.5	N.A.
2.	Solvent extraction of oil from rice bran	15 tonnes of bran per day of 3 shifts	2.6	4.0	13.8 26
3.	Extraction of leo-resin from ginger	100/150 kgs (of oleoresin per day)	N.A.	N.A.	7.00 about 25
4.	Pesticides and insecticides formulations	Powders 255 tonnes liquids 300) ltrs. per annum	rented	1.20	1.79 16
5.	Absorbent cotton	1000 kgs. per day of 3 shifts	1.40	1.50	7.68 72

II Mineral based Industries

6.	China clay washery	6000 tonnes per annum	1.50	1.50	4.35 183
7.	Low tension porcelain insulators	One tonne per day	1.65	0.75	6.35 56
8.	Fire bricks	3 tonnes per hour	0.32	0.75	3.53 49

1	2	3	4	5	6	7	8	9
9.	Stone crushing	400 units per annum (unit=100 c. ft)	0.50	0.08	0.60	1.18	40	
<u>III Livestock bases & Input Industries</u>								
10.	Sole leather tannery	50 hides per day	0.80	1.15	3.50	5.45	29	
11.	Cattle and Poultry feed	3 tonnes of feed	0.19	rented	0.60	0.79	14	
<u>IV Demand based Industries</u>								
12.	Prestressed cement concrete poles	192 poles per month	0.62	0.71	0.75	2.56	32	
13.	Reinforced cement concrete spun pipes	3,375 c.ft. per month	1.27	0.54	0.75	2.56	32	
14.	Auto servicing and repairing	Rs. 300/- per day of work	0.56	0.36	0.15	1.07	12	
15.	Tyre retreading	16 tyres per day	0.50	rented	1.20	1.70	9	
16.	Bakelite moulded electrical accessories	lamp holders, 2 pin plugs and switches 800 dozens per month	0.26	rented	0.20	0.46	12	
17.	Wooden accessories for electrical	Casing & capings 300 r.f.t. perday. Metre boards & fuse boxes 12 nos. round blocks 100 nos.	0.10	rented	0.15	0.25	6	

1.	2	3	4	5	6	7	8
18.	Distilled water	10,000 ampoules	0.41	rented	0.45	0.86	20
19.	Semi-mechanised bakery	1400 loaves of 400 gms. each per day(560 kgs)	0.31	rented	0.15	0.46	15
20.	Aluminium utensils	3 tonnes per month	0.67	rented	0.75	1.42	10
21.	Hosiery	600 dozens of outer wear per month	0.46	rented	0.45	0.91	13
22.	Semi-mechanised foot-	24 pairs of shoes and 50 pairs of chappals per day	0.11	rented	0.75	0.86	35
23.	Corrugated card board boxes	1000 boxes per day	0.28	rented	1.25	1.53	14
<u>V. Entrepreneurs' Interests</u>							
24.	Modern dyeing, printing and calendaring	100 kgs of yarn and 500 metres of cotton fabrics for dyeing 100 metres of screen printing per day	0.52	0.40	0.75	1.67	25
25.	Wood seasoning	0.5 lakh c.ft. per annum	1.40	0.85	0.75	3.00	19

1.	2.	3.	4	5	6	7	8
26.	Fruit preservation and canning	5 tonnes of raw material per day	2.32	rented	1.60	3.92	34
27.	Vanasapathi	30 tonnes per day	21.14	8.30	36.60	66.04	195
28.	Roller flour mill	50 tonnes per day	3.40	N.A.	N.A.	3.41	50

In respect of all the units suggested above, estimate of the total investment required is Rs.157.1 lakhs. Employment likely to be generated is for about 998 persons.

T A B L E.

PERSONS EMPLOYED IN VARIOUS RURAL
INDUSTRIES IN BIRBHUM DISTRICT- 1988.

BROAD INDUSTRY CLASSIFICATION =====	NUMBER OF UNITS SUR- VIVED. =====	NUMBER OF PERSONS EMPLOYED. =====
1. AGRO -BASED	72	67.28
2. FOREST BASED	5	85
3. TEXTILE BASED	1	N I L.
4. CHEMICAL BASED	10	336
5. FOOD PROCESSING BASED	3	61
6. Minerals Based	6	204
7. DEMAND BASED INDUSTRIES.	7	259
8. REPAIRING & MAINTANANCE BASED	2	61
9. Others.	1	16
TOTAL	107	4073

(SOURCE DIC - BIRBHUM)

TABLE -

Information of Total No. employment under SST Regim. unit of different categories in the year 1981-82 (i.e. April'81 to March' 82)
 Relevant information in connection with the above in furnished bellow:-
 1981-82

Month & Year.	No. of Units Registered			No. of Employment.			
	Prov.	Pmt.	Temp.	Prov.	Pmt.	Temp.	FnI.
April -'81	19	9	25	111	41	101	26
May -'81	11	8	12	151	106	53	235
June -'81	21	8	35	149	32	240	19
July -'81	31	8	45	287	26	192	71
Aug. -'81	48	19	22	265	164	106	72
Sept. -'81	26	12	24	188	113	112	16
Oct. -'81	19	6	12	213	41	44	92
Nov. -'81	34	6	13	416	39	198	627
Dec. -'81	25	2	36	101	8	87	55
Jan. -'82	25	5	18	280	17	86	66
Feb. -'82	51	8	10	257	59	75	132
March -'82	46	13	41	492	114	196	55
Total	356	104	293	2910	760	1490	1406

T A B L E

Table showing the production, requirement, surplus or deficit of different Crop for the district of Birbhum.

Sr. No.	Name of crop.	Requirement in thousand Ton.	Production in thousand Ton.	Surplus, deficit.
1.	Cereals (Paddy, wheat, maize and barley etc.)	350	763	+ 118
2.	Pulses (gram, lentil, mung etc.)	46	18	- 61
3.	Leafy vegetables	77	40	- 48
4.	Tuber crop (Potato, radish, sweet potato etc.)	77	128	+ 66
5.	Other vegetables (Bingo, chili flower, gourd etc.)	57	48	- 16
6.	Oil seeds (Mustard, til etc)	38	29	- 23
7.	Carbohydrate	19	1	- 95
	Sugar	(237.5 Sugarcane)		
	Gur	31	18	
		(263.5 Sugarcane)		
8.	Fruits (Guava, Jackfruit, Mango etc.)	38	16	- 58
9.	Spices (Ginger garlic etc.)	12	0.5	+ 96
		756	1085	

(Source PAO - Birbhum)

T A B L E

Table showing the production, requirement, surplus or deficit of
different Crop for the district of Birbhum.

Sl. No.	Name of crop.	Requirement in thousand Ton.	Production in thousand Ton.	Surplus/defecit.
1.	Cereals (Paddy, wheat, maize and barley etc.)	350	763	+ 118
2.	Pulses (gram, lentil, mung etc.)	46	18	- 61
3.	Leafy vegetables	77	40	- 48
4.	Tuber crop (Potato, radish, sweet potato etc.)	77	128	+ 66
5.	Other vegetables (Bitter melon, cauliflower, gourd etc.)	57	48	- 16
6.	Oil seeds (Mustard, til etc)	38	29	- 23
7.	Carbohydrate	19	1	- 95
	Sugar	(237.5 Sugarcane)		
	Gur	31	18	
		(263.5 Sugarcane)		
8.	Fruits (Guava, Jackfruit, Mango etc.)	38	16	- 58
9.	Spices (Ginger garlic etc.)	12	0.5	+ 96
		756	1085	

(Source PAO - Birbhum)

1

BLOCKWISE BREAK UP OF BIO-GAS ACHIEVEMENT OF
BIRBHUM DISTRICT

	1982-83	1983-84	1984-85
Md. Bazar	255	255	145
Sainthia	47	129	157
Dubrajpur	17	53	178
Suri-I	46	70	97
Suri-II	13	35	68
Rajnagar	75	18	85
Mayureswar-I	5	33	44
Mayureswar-II	1	7	19
Bolpur	46	56	35
Labpur	28	15	35
Nalhati-I	65	2	27
Nalhati-II	7	--	25
Rampurhat-I	84	42	25
Illambazar	8	8	19
Khoyrasole	2	1	13
Murarai-I	11	25	12
Murarai-II	2	6	4
Nanoor	-	14	8
TOTAL :	<u>716</u>	<u>745</u>	<u>1000</u>

SOURCE : G.M., DIC.

T A B L ERainfall and Distribution (in m. m.)

S1. No.	Month	Normal rain fall average of 50 years	Seasonal rain fall average of 20 years	Average of 1967-1983	Normal
1.	January	10.4		9.6	33.0
2.	February	17.4	12.00	19.8	9.0
3.	March	18.7		26.8	20.0
4.	April	31.8		46.2	21.0
5.	May	96.6	128.00	69.2	62.0
6.	June	206.3		227.1	178.0
7.	July	295.7	1028.00	312.2	329.0
8.	August	307.0		335.2	372.0
9.	September	191.0		297.7	321.0
10.	October	93.9		102.5	152.0
11.	November	14.3		17.2	23.0
12.	December	2.3	23.00	5.8	3.0
Total		1285.4	1191.00	1469.3	1423.0

Normal Rainfall & Seasonal
Rainfall average 20 years.

World Agricultural census
1970--71 West Bengal.

(Source P A O - Birbhum)

BIRBHUM1988RICE MILLINGUNITS OF THE FACTORY

Satya Narayan Rice Mill, Bandgora, P.O. Bolpur, DIST. BIRBHUM.	34
Sree Lakshmi Narayan Rice Mill, Trisulpati, P.O. Bolpur, DIST. BIRBHUM	71
Ananda Rice & Oil Mills, P.O. Bolpur, DIST. BIRBHUM.	26
Sri Swastiken Rice Mill, P.O. Nalhati, DIST. BIRBHUM.	36
Mollarpur Rice Mill, P.O. Mollarpur, DIST. BIRBHUM.	35
Sri Laxmi Rice Mill, P.O. Mollarpur, DIST. BIRBHUM.	47
Sarada Rice & Oil Mills, Village : Ishwarpur, P.O. : Ahmedpur, DIST. : BIRBHUM.	70
Saubhog Chand Kapoor Chand Oil & Rice Mills, P.O. Sainthia, DIST. BIRBHUM.	Closed
Radhapada Chandra & Gurupada Chandra's Rice Mill, P.O. Sainthia, DIST. BIRBHUM.	17

-: 2 :-

Sree Durga Rice Mill, Ramranjan Bazar, P.O. Dubrajpur, DIST. BIRBHUM.	Closed
Bibhuti Bhusan Datta Rice Mill, P.O. Sainthia, DIST. BIRBHUM.	52
Datta Rice Mill, Ramranjan Bazar, P.C. Dubrajpur, DIST. BIRBHUM.	7
Molleswar Rice Mill, P.O. Mollarpur, DIST. BIRBHUM.	33
Chhejer Rice Mill, P.O. Sainthia, DIST. BIRBHUM.	30
Jaga Bandhu & Dharanidhar Pal's Rice Mill, Bandgora, P.O. Bolpur, DIST. BIRBHUM.	21
Orient Rice Mill, Iswarpur, P.O. Ahmadpur, DIST. BIRBHUM.	43
Harior Rice Mill, P.O. Nalhati, DIST. BIRBHUM.	39
Dutta Rice Mill, P.O. Ahmadpur, Vill. Kuchighata, DIST. BIRBHUM.	24
B. L. D. P. Rice Mill, P.O. Murarai, DIST. BIRBHUM.	Closed

-: 3 :-

Trinayani Rice & Oil Mill, P.O. Morarai, DIST. BIRBHUM.	Closed
Shree Ambica Rice Mill, P.O. Ahmadpur, DIST. BIRBHUM.	45
Messrs. Sitaram Rice Mill, P.O. Rampurhat, DIST. BIRBHUM.	33
The Suri Rice Mills, P.O. Suri, DIST. BIRBHUM.	43
Sree Kankali Rice Mill, Layek Bazar, P.O. Bolpur, DIST. BIRBHUM.	90
Sree Narayan Rice Mill, P.O. Kirnahar, DIST. BIRBHUM.	75
Fullora Rice Mill Pvt. Ltd., P.O. Labpur, DIST. BIRBHUM.	63
Kochar Rice & Oil Mills, Rudranagar, P.O. Sainthia, DIST. BIRBHUM.	92
Lakshmi Rice Mill, P.O. + Vill. Chatra, DIST. BIRBHUM.	13
Ma Swarnakali Rice Milling Industries, P.O. Rampurhat, DIST. BIRBHUM.	37

-: 4 :-

Birbhum Rice & General Mills, P.O. Dubrajpur, DIST. BIRBHUM.	39
Himalaya Rice Mill, Saniagram, P.O. Rampurhat, DIST. BIRBHUM.	81
Maheshwari Rice & Oil Mills, Kalikapore, P.O. Bolpur, DIST. BIRBHUM.	64
Sree Gopal Rice Mill, Kacharipatty, P.O. Bolpur, DIST. BIRBHUM.	38
Shree Mahabir Rice Mills, Trisulapatti, P.C. Bolpur, DIST. BIRBHUM.	80
Hetampur Rice Mill, P.O. Hetampur Rajbati, DIST. BIRBHUM.	65
Makhan Rice Mill No.6, Ramranjan Bazar, P.C. Dubrajpur, DIST. BIRBHUM.	22
Dutta Rice Mill, P.O. Labpur, DIST. BIRBHUM.	Closed
Shankar Rice Mill, Kalikapur, P.C. Bolpur, DIST. BIRBHUM.	42
Sainthia Rice & Oil Mills, Kandi Road, P.O. Sainthia,	65

-: 5 :-

Nabin Rice Mill, P.O. Sainthia, DIST. BIRBHUM.	Closed
Shree Krishna Rice Mill, Vill. Kusumdihi, P.O. Ahmadpur, DIST. BIRBHUM.	60
Pranab Rice Mill, Vill. Kuchnighata, P.O. Ahamedpur, DIST. BIRBHUM.	21
Sunderlal Sekhar Chand Rice Mill, P.O. Sainthia, DIST. BIRBHUM.	Closed
Birbhum Rice Milling Industries, P.O. Mollarpur, DIST. BIRBHUM.	22
Birbhum Rice Mill, Islampur, P.O. Dubrajpur, DIST. BIRBHUM.	52
Zonal Co-operative Rice Mill Society Ltd., P.O. Illambazar, DIST. BIRBHUM.	27
Sree Guru Rice Mill, P.O. Bolpur, (Kalikapur), DIST. BIRBHUM.	128
Shree Ram Ginodia Rice Mill, Sainthia, DIST. BIRBHUM.	26
Bandeve Rice Mill, Vill. + P.O. Lohapur, DIST. BIRBHUM.	29

-: 6 :-

Chowdhury Rice & Oil Mills, Hatzen Bazar, P.C. Suri, DIST. BIRBHUM.	21
Kalidas Rice Mill, P.O. Kirnaher, DIST. BIRBHUM.	Closed
Sree Krishna Rice Mill, Trishulla Patty, P.O. Bolpur, DIST. BIRBHUM.	39
Birbhum Rice Mill, Kopa, Sainthia, DIST. BIRBHUM.	35
Bhingarh Rice Mill, Trisulpatty, Bolpur, DIST. BIRBHUM.	100
M/s. Maa Tara Rice Mill, P.C. + Vill. Chakpara, DIST. BIRBHUM.	16
Subha Lakshmi Narayan Rice Mill, Trisulpatty, Bolpur, DIST. BIRBHUM.	53
	<hr/> 56-2201

BREAD MAKING

(2)

Abbhaya Bakery, Bandhgore, P.O. Bolpur, DIST. BIRBHUM.	30
Mittra Bread Company, P.C. Bolpur, Bandgorah, DIST. BIRBHUM.	15
	<hr/> 2-45

-: 7 :-

(3)

MANUFACTURE OF BISCUITS,
CAKES, PASTRIES ETC.M/S. Golden Food Products,
P.O. Sainthia,
DIST. BIRBHUM.

16

1=16MANUFACTURE & REFINING OF SUGAR
(VACCUM PAN SUGAR FACTORIES)

(4)

Ahmedpur Sugar Mill,
P.O. Ahmedpur,
DIST. BIRBHUM.

455

1 = 455

(5)

MANUFACTURE OF OTHER EDIBLE
OILS & FATS E.G. MUSTARD OIL,
GROUND NUT OIL, TIL OIL, ETC.
(INEDIBLE OILS SHOWN UNDER)Chandra Oil Mill,
P.O. Sainthia,
DIST. BIRBHUM.

16

Hiralall Ram Kumar Oil Mills,
P.O. Sainthia,
DIST. BIRBHUM.

19

Mollarpur Oil Mill,
P.O. Mollarpur,
DIST. BIRBHUM.

Closed

Hindusthan Coconut Oil Mill,
P.O. Sainthia,
DIST. BIRBHUM.

23

Hind Coconut Oil Industries,
Ramranjan Bazar,
P.O. Dubrajpur,
DIST. BIRBHUM.

13

-: 8 :-

Mahalaxmi Oil Mill, 37
 P.O. Sainthia,
 DIST. BIRBHUM.

Sharda Oil Industries, 17
 Vill. Gumta,
 P.O. Sainthia,
 DIST. BIRBHUM.

Durga Oil Mill, 25
 P.O. Sainthia,
 DIST. BIRBHUM.

M/s. Arihant Coconut Oil Industries, 9
 Mollarpur (Birbhum),
 P.O. Mollarpur,
 DIST. BIRBHUM.

Deekay Coconut Oil Industries, 26
 Ramranjan Bazar,
 P.O. Dubrajpur,
 DIST. BIRBHUM.

Sethia Oil Mill, 19
 Vill. Kharasinpur,
 P.O. Katigram,
 DIST. BIRBHUM.

Anadi Coconut Oil Industry, Closed
 P.O. Mollarpur,
 DIST. BIRBHUM. 12 = 204

COTTON SPINNING & WEAVING

Mayurakshi Cotton Mills Ltd., Closed
 Panchra,
 P.O. Panchrahat,
 DIST. BIRBHUM. 1 = x

-: 9 :-

MANUFACTURE OF REINFORCED &
LAMINATED PLASTIC SHEETS

(7)

S. N. T. Polycoat Pvt. Ltd.,
Station Road, Suri,
DIST. BIRBHUM.

14

 1 = 14

(8)

MANUFACTURE OF POLYTHENE BAGS
(PLAIN AND PRINTED)

Seal Narrow Tapes Pvt. Ltd.,
Station Road, P.O. Suri,
DIST. BIRBHUM.

55

 1 = 55

MANUFACTURE OF OTHERS

(9)

Patelnagar Chemicals(P) Ltd.,
P.O. Patelnagar,
DIST. BIRBHUM.

15

 1 = 15

(10) MANUFACTURE OF BASIC HEAVY
INORGANIC CHEMICALS

Pentachem Private Ltd.,
Vill. Patelnagar,
Md. Bazar,
DIST. BIRBHUM.

16

Eastern Explosives & Chemicals
United, Vill. Chinpai,
DIST. BIRBHUM.

178

 2 = 194

-: 10 :-

(11) MANUFACTURE OF BASIC HEAVY
ORGANIC CHEMICALS

Patelnagar Chemicals Pvt.Ltd.(Unit No.II),
Kumarpur, P.O. Mahammad Bazar,
Township,
DIST. BIRBHUM.

14

1 = 14(12) MANUFACTURE OF ORGANIC FERTILISERS

Birbhum Bone Mill,
Rudranagar,
P.O. Sainthia,
DIST. BIRBHUM.

15

1 = 15(13) MANUFACTURE OF HAIR DRESSINGS/OILS

Bharat Laxmi Coconut Oil Mill,
Fatehpur Bazar,
P.O. Mollarpur,
DIST. BIRBHUM.

10

Mahalaxmi Coconut Oil Mill,
Sainthia,
P.O. Sainthia,
DIST. BIRBHUM.

9

Devi Coconut Oil Industries,
Mollarpur,
P.O. Mollarpur,
DIST. BIRBHUM.

10

Joy Bharat Coconut Oil Industries,
Kachari Patty,
P.O. Bolpur,
DIST. BIRBHUM.

15

4 = 44

-: 11 :-

(14) MANUFACTURE OF VEGETABLE
OILS INCLUDING SOLVENT
EXTRACTED OILS

S.K. Chemical Industries, 20
P.O. Sainthia,
DIST. BIRBHUM.

Saroda Commercial Co., 66
Vill. Ishwarpur,
P.O. Ahmedpur, 2 = 86
DIST. BIRBHUM.

(15) STONE DRESSING &
STONE CRUSSING

Maharaja Cossim Bazar Stone Works (P) Ltd., 84
P.O. Nalhati,
DIST. BIRBHUM.

Rajgram Mining Corporation, Closed
Rajgra, P.O. Rajgram, 2 = 34
DIST. BIRBHUM.

(16) MANUFACTURE OF CHINAWARE

Patelnagar Fire Bricks & Potteries Ltd., 66
Patelnagar, 1 = 66
P.O. Mohammed Bazar,
DIST. BIRBHUM.

(17) A.K. Industries Pvt. Ltd., 18
Kalipur, Karidhya .P.O., 1 = 18
DIST. BIRBHUM.

-: 12 :-

(18) MANUFACTURE OF ASBESTOS CEMENT

Bablu Stone Works,	13
Rajgaon,	
P.O. Rajgaon,	<u>1 = 13</u>
DIST. BIRBHUM.	

(19) MANUFACTURE OF HUME PIPES AND OTHER CEMENT AND CONCRETE PRODUCTS (INCLUDING SLABS, POLES, PILLARS AND SCREENS)

Mukherjee Engineering Co.,	13
Rabindra Sarani,	
P.C. Bolpur,	
DIST. BIRBHUM.	

Greenfield Industries,	7
P.O. Bolpur,	
DIST. BIRBHUM.	

Freyssinet Prefabs,	4
Spun Pipe Division,	
P.O. Patelnagar,	
DIST. BIRBHUM.	

MANUFACTURE OF OTHERS

Freyssinet Prefabs,	34
Poles & Allied Concrete Products,	
P.O. Patalnagar,	
DIST. BIRBHUM.	

(20)

M.B. Mineral Industries,	105
P.O. Mahammad Bazar,	
DIST. BIRBHUM.	

Sova Minerals Industries,	71
Kumarpur Mohammad Bazar Township,	<u>-----</u>
DIST. BIRBHUM.	2 = 176

-: 13 :-

(21) MANUFACTURE OF CASTINGS & FORGINGS

Universal Industries & Cotton Mills Ltd.,
 (Mini Steel Plant),
 P.O. Suri,
 DIST. BIRBHUM.

176

1 = 176(22) MANUFACTURE OF NOVELTIES,
LAMP SHADES, PRESENTATION ARTICLES,
BADGES, ETC.

Visva Bharati Silpa Sadan,
 Sriniketan,
 P.O. Sriniketan,
 DIST. BIRBHUM.

12

(23) COLD-STORAGE

17

Sree Bechonanda Cold Freeze,
 Sainthia,
 P.O. Sainthia,
 DIST. BIRBHUM.

Janata Cold Storage,
 Sangatapara, Rampurhat,
 DIST. BIRBHUM.

12

Dutta Cold Storage,
 Sainthia,
 DIST. BIRBHUM.

21

Bijoy Cold Storage,
 P.O. Sainthia,
 DIST. BIRBHUM.

12

Bokaria Ice & Cold Storage,
 Kandi Road, Nimpur,
 P.O. Kundala,
 Via - Sainthia,
 DIST. BIRBHUM.

23

5 = 85

-: 14 :-

(24) EDUCATIONAL SERVICES RENDERED
BY TECHNICAL OR VOCATIONAL
COLLEGES, SCHOOLS & OTHER
INSTITUTIONS

Ahmedpur Engineering Training Workshop,
P.O. Ahmedpur,
DIST. BIRBHUM.

16
1 = 16

(25) ELECTRICAL REPAIRING SHOPS

Cosmopolitan Engineers Pvt. Ltd.,
Vill. Nirdhoypore,
P.O. Suirakuri,
DIST. BIRBHUM.

15
1 = 15

(26) REPAIR OF MOTOR VEHICLES &
MOTOR CYCLES

Tractor & Vehicle Repairing Workshop,
I. & W.D. Colony,
P.O. Suri,
DIST. BIRBHUM.

46
1 = 46

Total :- Unit = 107, Employed = 4073
